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SUMMARY OF BRITISH COLUMBIA HERRING BIOLOGICAL SAMPLING DATA
FOR THE 2001 - 2002 SEASON

by

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ABSTRACT

Midgley, P., and J. Schweigert. 2002. Summary of British Columbia herring biological sampling data for the 2001 - 2002 season. Can. Data Rep. Fish. Aquat. Sci. 1105: 107 p.

Age compositions and the average length and weight at age, the sex ratio, and the maturity states of herring samples combined by geographical area, time period, gear type, and source are tabulated for the 2001 - 2002 season. Tables are given for two geographical groupings: statistical areas and herring sections.

RÉSUMÉ

Midgley, P., and J. Schweigert. 2002. Summary of British Columbia herring biological sampling data for the 2001 - 2002 season. Can. Data Rep. Fish. Aquat. Sci. 1105: 107 p.

Ce rapport présente la répartition par âge, la taille moyenne et le poids en fonction de l'âge, la proportion par sexe et l'état de maturité de l'harengs chantillonnés en 2001 - 2002, par région géographique, période de l'année, genre d'engin de pêche et provenance. Les tableaux sont divisés en deux regroupements géographiques : zones statistiques et sections d'harengs.

INTRODUCTION

Biological samples of herring are collected and processed annually for length, weight, sex, maturity, age, gonad weight, and gonad length. This information is used in stock assessments, and for determining stock characteristics. Additionally, it is useful to fishery managers located along the coast of British Columbia. The information presented here is for the 2001 - 2002 herring season which extends from July 1, 2001 to June 30, 2002. This report summarizes biological characteristics by different gear and source types, as well as different levels of geographic aggregation. The smallest level of aggregation is by herring section (Figs. 1 - 6), which is a subdivision of Statistical Area. Stock assessments are conducted at a region level of geographic aggregation (Fig. 7).

Biological characteristics of individual fish collected annually since the 1950-51 season are maintained on computer files. These files provide a 52-year series of data accessible for analyses and modelling.

METHODS

The two main sources of biological samples are the roe herring test fishing program and roe herring fisheries. While a major objective of the test fishing program is to provide support for fisheries management, a secondary objective is to collect biological samples throughout the geographic range of herring spawning aggregations. Test fishing operations are conducted to ensure that the vessels are available before and during the main spawning run in each area. Roe herring fisheries are the main source of commercial samples. Fisheries for roe herring are sampled with the goal of collecting ten samples from each seine fishery, and six samples from each gillnet fishery. A sampling plan is designed for each fishery to ensure that the sample series collected accurately represents biological characteristics of the entire catch in time and gear distribution, for each gear type.

Additional commercial samples are collected from the fall food and bait fisheries, which are currently very small both in quota and in numbers of vessels eligible to participate (e.g. 18 vessels in the fall 2001 fishery). Consequently, each vessel participating in this fishery is expected to provide a biological sample from their catch.

As well as commercial and test fishing samples, small numbers of research samples are collected by Fisheries and Oceans (DFO) vessels, and occasionally by chartered commercial vessels throughout the year. Samples with source code "4" (other) are collected from various sources that do not fit into the categories described above.

In most instances biological samples are frozen on board vessels and shipped to the Pacific Biological Station where they are processed following standard procedures described by Hamer (1989). Data codes are presented in Table 1.

Gonad maturities are classified according to a modified Hjort maturity scale (Table 2). Female roe maturities in the data summaries are defined as:

| | |
|----------|-----------------------|
| Immature | - Hjort stages 1 - 4 |
| Mature | - Hjort stages 5 - 6 |
| Spent | - Hjort stages 7 - 8. |

Fish classified as immature in estimating the sex ratio are those whose gonads were not sufficiently developed for sex determination.

DATA COMPILATION AND SCREENING

The biological sample information from each sample is entered directly into a computer as the fish are processed, using a data entry program. The data are subsequently screened by computer for relationships between age, length, and weight which are outside the normal range for the coast as a whole (mean +/- 2 standard deviations). Anomalies are listed, and the associated data checked for possible errors in recording or coding.

AGE DETERMINATION

Age determination is based on the number of annuli on the scales. Herring ages are reported using the "year of life" convention. That is, fish in their first year are designated as age "0+". Herring "birthdays" are considered to be at spawning, and not on January 1, as is the convention for many other fish species.

A revised system of ageing herring has been used since the 1987-88 season. Before that season, a fish was either assigned an age or was classified as unageable. With the revised ageing system, the option of two possible ages was used when it was difficult to positively determine the age. At present there is no optimal procedure for incorporating these data into age composition estimates, so they continue to be treated as unageable. Therefore, the age compositions in this report are based only on fish for which a single age was assigned.

RESULTS

BIOLOGICAL SAMPLING AND AGE COMPOSITIONS

In the 2001 - 2002 season 257 test fishing samples, 79 roe fishery samples, 22 "other" samples, 20 food and bait fishery samples, and 14 research samples were processed, bringing the total number for the season to 392 (Table 3 & 7). Thirteen seine vessels, four gillnet vessels, three management platforms, three surface survey vessels and one dive platform were chartered to help manage the 2002 roe herring fisheries through hydro-acoustic surveys, test fishing, and spawn surveys. Details on the distribution of effort, and number of samples collected by chartered vessels are provided in Table 4. Roe fishery samples were collected from seine fisheries in areas 2, 5, 7 & 14 and from gillnet fisheries in areas 4, 7, 14, 17 & 25 (Table 6). Test fishing vessels collected 17 samples from spawn on kelp ponds (SOK), on an opportunistic basis. Food and bait fishery samples were taken from area 17. Research samples were collected by the R/V W.E. Ricker during a herring year-class strength and production survey off the west coast of Vancouver Island. The R/V W.E. Ricker, while conducting a groundfish research cruise, provided an incidental herring catch sample from area 17. Samples were taken on an opportunistic basis from incidentally caught herring during the summer J/V Hake commercial fishery.

Age compositions for samples from the test fishery, and the seine and gillnet roe fisheries are summarized by section in Table 5.

The following types of information, with associated table numbers, are summarized in this report:

| | |
|-------------------------------------|----------------|
| Codes for sample data | Table 1 |
| Maturity stages for Pacific herring | Table 2 |
| Listing of samples processed | Table 3 |
| Charter vessel information | Table 4 |
| 2002 age compositions | Table 5 |
| Roe herring fishery summaries | Table 6 |
| Data summaries | Tables 7 - 14. |

The data summaries include various groupings of samples by geographical areas, gear types, and source types. 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.

ACKNOWLEDGMENTS

The Fish Ageing Unit at the Pacific Biological Station determined the ages. J.O.Thomas and Associates Ltd. collected the roe fishery samples, and Tideview Services processed all samples. Lorena Hamer and Jonathan Hepples provided some of the summary information.

REFERENCES

- Bowers, A.B., and F.G.T. Holliday. 1961. Historical changes in the gonad associated with the reproductive cycle of the herring (*Clupea harengus L.*). Mar. Res. Scot. 5: 16 p.
- Hamer, L. 1989. Procedures for collecting and processing British Columbia herring samples. Can. Manusc. Rep. Fish. Aquat. Sci. 2030: 27 p.

Table 1. Codes for British Columbia herring sampling data.

| <u>A. Gear</u> | | <u>B. Source</u> | |
|------------------------|---------------|------------------|---------------------|
| 19 | Gillnet | 0 | Roe fishery |
| 29 | Seine | 1 | Bait fishery |
| 20 | Salmon seine | 2 | Research - inshore |
| 21 | Other seine | 3 | Research - offshore |
| 70 | Beach seine | 4 | Other |
| 50 | Other trawl | 5 | Test Fishery |
| 59 | Herring trawl | 6 | Food Fishery |
| 01 | Other | 7 | Reduction Fishery |
| <u>C. Preservation</u> | | <u>D. Sex</u> | |
| 0 | Frozen | 1 | Male |
| 1 | Fresh | 2 | Female |
| 2 | Salted | 3 | Unknown |
| 3 | Other | | |
| 4 | Brined | | |

Table 2. Maturity stages for Pacific herring (adapted from Bowers and Holliday 1961; Parrish and Saville 1965). These descriptions are intended as general guidelines. Length of time samples have been frozen, thawing time, and different handling procedures may alter the colour of the gonads. Therefore, the texture of the gonad is also used to assess maturity. The timing description is also a general guideline due to the wide range in spawn timing on the British Columbia coast.

| 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 possible. Fat is visible in the body cavity. | Year-round for young herring usually less than 150 mm in length. (However, some herring as small as 125 mm may have mature gonads.) |
| II | Starting | Ribbon-shaped | Gonads increased in breadth to 3-5 mm. Sex determination difficult. Testes reddish-grey coloured and knife-shaped. Ovaries reddish-wine coloured and bullet-shaped at tip. (The gonads of virgins and some repeat spawners cannot be differentiated macroscopically.) Fat is visible in the body cavity. | 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, granular in appearance, and bullet-shaped at the tip. Testes reddish-grey, smooth in appearance, and knife-shaped. | Usually late summer to early fall, but may extend into winter and early spring. |
| IV | Maturing | Prominent | Gonads extend full length of body cavity. Ovaries reddish-orange to yellow; eggs distinguishable, opaque, variable in size and separate. Testes mostly grey, firmer, and will ooze milt if sliced with a knife. Blood vessels often clearly visible in the ovary and testes walls. | Usually late fall and winter, but may extend to as late as March. (Slightly earlier in males than females.) |

Table 2 (cont'd)

| Stage | State of Maturity | Gonad appearance | Description | Timing |
|-------|-------------------|------------------|---|--|
| V | Mature | Bulging | Few or no blood vessels visible in gonad walls. Walls of body cavity thin. Ovaries gold-yellow, firm and will often break into sections. Eggs mostly transparent and uniform in size. Testes usually milk-white, soft and plump; and milt will flow under pressure. | Mid-winter to late spring. |
| VI | Ripe | Running | Gonads do not hold their shape. Ovaries look and feel gelatinous. Segmentation is lost. Eggs are transparent and sticky to the touch. Testes runny, and have a curdled appearance. Milt flows easily without external pressure. | A few days prior to spawning (usually in late winter to spring). |
| VII | Spent | Baggy | Gonads slack. Sex determination difficult. Ovaries may contain a few residual eggs. Testes limp and bloodshot. Body wall thin and no fat present; blood in body cavity. | Spring for the first few weeks following spawning. |
| VIII | Recovering | Compressed | Gonads wide-coloured and usually longer, fuller and not as slack as Stage VII. Blood vessels prominent. Little or no fat in the body cavity. | Late spring and early summer. |

Table 3. Biological sampling information by statistical area, herring section and location for the 2001 – 2002 season.

| Statistical Area | Section | Location | Sample Number | Year | Month | Day | Gear | Source | Preservation | No. of Fish | |
|------------------|---------|---------------------|---------------|------|-------|-----|------|--------|--------------|-------------|------|
| | | | | | | | | | | Sampled | Aged |
| 23 | 239 | CENTRAL SLOPE+ | 001 | 01 | 07 | 27 | 59 | 3 | 0 | 100 | 84 |
| 23 | 239 | LA PEROUSE BANK | 002 | 01 | 07 | 30 | 59 | 3 | 0 | 100 | 84 |
| 17 | 173 | DANGER REEFS | 003 | 01 | 12 | 04 | 29 | 6 | 0 | 100 | 71 |
| 23 | 239 | LA PEROUSE BANK | 004 | 01 | 08 | 03 | 59 | 3 | 0 | 100 | 95 |
| 23 | 239 | LA PEROUSE BANK | 005 | 01 | 08 | 02 | 59 | 3 | 0 | 100 | 95 |
| 23 | 239 | FINGER BANK + | 006 | 01 | 07 | 13 | 50 | 4 | 0 | 100 | 13 |
| 23 | 239 | CENTRAL SLOPE+ | 007 | 01 | 07 | 01 | 59 | 3 | 0 | 100 | 87 |
| 23 | 239 | LA PEROUSE BANK | 008 | 01 | 08 | 02 | 59 | 3 | 0 | 100 | 79 |
| 23 | 239 | FORTY MILE BANK | 009 | 01 | 07 | 24 | 50 | 4 | 0 | 100 | 54 |
| 21 | 219 | SWIFTSURE BANK | 010 | 01 | 08 | 03 | 59 | 3 | 0 | 100 | 57 |
| 23 | 239 | FINGER BANK + | 011 | 01 | 08 | 25 | 50 | 4 | 0 | 100 | 71 |
| 21 | 219 | SWIFTSURE BANK | 012 | 01 | 07 | 04 | 50 | 4 | 0 | 100 | 57 |
| 23 | 239 | BOTTLENECK + | 013 | 01 | 07 | 12 | 50 | 4 | 0 | 100 | 59 |
| 23 | 239 | POTHOLE + | 014 | 01 | 08 | 02 | 59 | 3 | 0 | 100 | 89 |
| 23 | 239 | CENTRAL SLOPE+ | 015 | 01 | 08 | 01 | 59 | 3 | 0 | 100 | 87 |
| 23 | 239 | BOTTLENECK + | 016 | 01 | 07 | 05 | 50 | 4 | 0 | 100 | 26 |
| 23 | 239 | LA PEROUSE BANK | 017 | 01 | 08 | 03 | 59 | 3 | 0 | 100 | 83 |
| 23 | 239 | POTHOLE + | 018 | 01 | 07 | 11 | 50 | 4 | 0 | 100 | 44 |
| 23 | 239 | CENTRAL SLOPE+ | 019 | 01 | 08 | 01 | 59 | 3 | 0 | 100 | 89 |
| 23 | 239 | FINGER BANK + | 020 | 01 | 07 | 02 | 50 | 4 | 0 | 100 | 62 |
| 23 | 239 | LA PEROUSE BANK | 021 | 01 | 08 | 03 | 59 | 3 | 0 | 100 | 93 |
| 23 | 239 | LA PEROUSE BANK | 022 | 01 | 08 | 01 | 59 | 3 | 0 | 100 | 77 |
| 23 | 239 | FINGER BANK + | 023 | 01 | 07 | 17 | 50 | 4 | 0 | 100 | 52 |
| 17 | 173 | UNKNOWN SEC. 173 | 024 | 01 | 11 | 06 | 29 | 6 | 0 | 100 | 75 |
| 17 | 173 | YELLOW POINT | 025 | 01 | 12 | 11 | 29 | 6 | 0 | 100 | 69 |
| 17 | 173 | YELLOW POINT | 026 | 01 | 12 | 17 | 29 | 6 | 0 | 100 | 59 |
| 17 | 172 | MAUDE ISLAND | 027 | 01 | 11 | 12 | 29 | 6 | 0 | 100 | 90 |
| 17 | 172 | MAUDE ISLAND | 028 | 01 | 11 | 12 | 29 | 6 | 0 | 100 | 92 |
| 17 | 173 | YELLOW POINT | 029 | 01 | 12 | 12 | 29 | 6 | 0 | 100 | 63 |
| 17 | 173 | DANGER REEFS | 030 | 01 | 12 | 18 | 29 | 6 | 0 | 100 | 60 |
| 17 | 173 | DANGER REEFS | 031 | 01 | 12 | 10 | 29 | 6 | 0 | 100 | 69 |
| 21 | 219 | SWIFTSURE BANK | 032 | 01 | 08 | 04 | 59 | 3 | 0 | 100 | 84 |
| 17 | 173 | YELLOW POINT | 033 | 01 | 12 | 10 | 29 | 6 | 0 | 100 | 65 |
| 17 | 173 | DANGER REEFS | 034 | 01 | 12 | 10 | 29 | 6 | 0 | 100 | 71 |
| 17 | 172 | NANOOSE BAY | 035 | 01 | 11 | 06 | 29 | 6 | 0 | 100 | 82 |
| 17 | 173 | DANGER REEFS | 036 | 01 | 12 | 09 | 29 | 6 | 0 | 100 | 62 |
| 14 | 142 | CAPE LAZO | 001 | 02 | 03 | 03 | 29 | 5 | 0 | 100 | 95 |
| 14 | 142 | SANDY ISLAND | 002 | 02 | 03 | 05 | 29 | 5 | 0 | 100 | 96 |
| 14 | 142 | UNION POINT | 003 | 02 | 03 | 08 | 29 | 5 | 0 | 100 | 94 |
| 14 | 142 | CAPE LAZO | 004 | 02 | 03 | 01 | 29 | 5 | 0 | 100 | 93 |
| 27 | 273 | FORWARD INLET | 005 | 02 | 03 | 03 | 29 | 5 | 0 | 100 | 93 |
| 14 | 143 | FRENCH CREEK | 006 | 02 | 03 | 02 | 29 | 5 | 0 | 100 | 96 |
| 14 | 142 | DOWNES POINT | 007 | 02 | 03 | 06 | 29 | 5 | 0 | 100 | 88 |
| 14 | 143 | LITTLE QUALICUM RVR | 008 | 02 | 02 | 28 | 29 | 5 | 0 | 100 | 97 |
| 15 | 152 | POWELL RIVER MILL | 009 | 02 | 02 | 26 | 29 | 5 | 0 | 100 | 88 |
| 14 | 142 | NORRIS ROCKS | 010 | 02 | 03 | 05 | 29 | 5 | 0 | 100 | 99 |
| 27 | 273 | FORWARD INLET | 011 | 02 | 03 | 08 | 29 | 5 | 0 | 100 | 95 |
| 27 | 273 | MATTHEWS ISLAND | 012 | 02 | 02 | 28 | 29 | 5 | 0 | 100 | 89 |
| 14 | 142 | CAPE LAZO | 013 | 02 | 03 | 04 | 29 | 5 | 0 | 100 | 91 |
| 27 | 272 | KLASKISH INLET | 014 | 02 | 03 | 02 | 29 | 5 | 0 | 100 | 95 |
| 17 | 173 | COFFIN POINT (IS.) | 015 | 02 | 02 | 27 | 29 | 5 | 0 | 100 | 82 |
| 14 | 142 | FILLONGLEY PARK | 016 | 02 | 03 | 02 | 29 | 5 | 0 | 100 | 96 |
| 14 | 142 | KOMAS BLUFF | 017 | 02 | 03 | 01 | 29 | 5 | 0 | 100 | 95 |
| 14 | 142 | CAPE LAZO | 018 | 02 | 02 | 28 | 29 | 5 | 0 | 100 | 94 |
| 14 | 142 | COMOX BAR | 019 | 02 | 03 | 05 | 29 | 5 | 0 | 100 | 93 |
| 27 | 272 | KLASKISH INLET | 020 | 02 | 03 | 08 | 29 | 5 | 0 | 100 | 95 |
| 14 | 142 | NORRIS ROCKS | 021 | 02 | 02 | 25 | 29 | 5 | 0 | 100 | 93 |
| 17 | 173 | PORLIER PASS | 022 | 02 | 02 | 27 | 29 | 5 | 0 | 100 | 95 |

Table 3. (cont'd.).

| Statistical Area | Section | Location | Sample Number | Year | Month | Day | Gear | Source | Preservation | No. of Fish | |
|------------------|---------|---------------------|---------------|------|-------|-----|------|--------|--------------|-------------|------|
| | | | | | | | | | | Sampled | Aged |
| 14 | 143 | LITTLE QUALICUM RVR | 023 | 02 | 03 | 01 | 29 | 5 | 0 | 100 | 93 |
| 14 | 143 | QUALICUM BEACH | 024 | 02 | 03 | 02 | 29 | 5 | 0 | 100 | 94 |
| 14 | 143 | QUALICUM BEACH | 025 | 02 | 02 | 06 | 29 | 6 | 0 | 100 | 96 |
| 14 | 143 | FRENCH CREEK | 026 | 02 | 02 | 27 | 29 | 5 | 0 | 100 | 93 |
| 14 | 143 | PARKSVILLE | 027 | 02 | 02 | 08 | 29 | 6 | 0 | 100 | 90 |
| 14 | 142 | KOMAS BLUFF | 028 | 02 | 02 | 05 | 29 | 6 | 0 | 100 | 87 |
| 16 | 163 | TEXADA ISLAND | 029 | 02 | 02 | 03 | 29 | 6 | 0 | 100 | 83 |
| 14 | 142 | NORRIS ROCKS | 030 | 02 | 03 | 03 | 29 | 5 | 0 | 100 | 98 |
| 14 | 142 | NORRIS ROCKS | 031 | 02 | 02 | 22 | 29 | 5 | 0 | 100 | 87 |
| 19 | 191 | DEEP COVE | 032 | 02 | 02 | 25 | 29 | 5 | 0 | 100 | 88 |
| 14 | 143 | PARKSVILLE | 033 | 02 | 03 | 13 | 29 | 5 | 0 | 100 | 96 |
| 17 | 173 | TRINCOMALI CHANNEL | 034 | 02 | 02 | 24 | 29 | 5 | 0 | 100 | 97 |
| 19 | 191 | DEEP COVE | 035 | 02 | 03 | 16 | 29 | 5 | 0 | 100 | 87 |
| 17 | 173 | YELLOW POINT | 036 | 02 | 03 | 17 | 29 | 5 | 0 | 100 | 96 |
| 23 | 232 | CASTLE ISLET | 037 | 02 | 03 | 01 | 29 | 5 | 0 | 100 | 93 |
| 23 | 232 | SECHART CHANNEL | 038 | 02 | 03 | 04 | 29 | 5 | 0 | 100 | 87 |
| 14 | 142 | SEAL ISLETS | 039 | 02 | 03 | 07 | 29 | 5 | 0 | 100 | 91 |
| 23 | 233 | SWALE ROCK | 040 | 02 | 03 | 08 | 29 | 5 | 0 | 100 | 90 |
| 23 | 232 | SHEARS ISLANDS | 041 | 02 | 03 | 21 | 29 | 5 | 0 | 100 | 91 |
| 23 | 232 | LARKIN ISLAND | 042 | 02 | 03 | 19 | 29 | 5 | 0 | 100 | 89 |
| 23 | 232 | SHEARS ISLANDS | 043 | 02 | 03 | 18 | 29 | 5 | 0 | 100 | 95 |
| 14 | 142 | NORRIS ROCKS | 044 | 02 | 03 | 01 | 29 | 5 | 0 | 100 | 94 |
| 14 | 142 | COMOX BAR | 045 | 02 | 03 | 06 | 29 | 5 | 0 | 100 | 90 |
| 23 | 232 | TOQUART BAY | 046 | 02 | 03 | 16 | 29 | 5 | 0 | 100 | 87 |
| 23 | 232 | ST. INES ISLAND | 047 | 02 | 03 | 07 | 29 | 5 | 0 | 100 | 93 |
| 14 | 142 | NORRIS ROCKS | 048 | 02 | 02 | 28 | 29 | 5 | 0 | 100 | 97 |
| 23 | 232 | STOPPER ISLANDS | 049 | 02 | 03 | 23 | 29 | 5 | 0 | 100 | 95 |
| 14 | 142 | KOMAS BLUFF | 050 | 02 | 03 | 03 | 29 | 5 | 0 | 100 | 96 |
| 14 | 142 | COMOX BAR | 051 | 02 | 03 | 16 | 29 | 5 | 0 | 100 | 94 |
| 23 | 232 | TOQUART BAY | 052 | 02 | 03 | 20 | 29 | 5 | 0 | 100 | 90 |
| 14 | 142 | GARTLEY POINT | 053 | 02 | 03 | 13 | 29 | 5 | 0 | 100 | 87 |
| 14 | 143 | MISTAKEN ISLAND | 054 | 02 | 02 | 26 | 29 | 5 | 0 | 100 | 95 |
| 14 | 143 | MADRONA POINT | 055 | 02 | 02 | 24 | 29 | 5 | 0 | 100 | 94 |
| 14 | 142 | TRALEE POINT | 056 | 02 | 03 | 03 | 29 | 5 | 0 | 100 | 94 |
| 23 | 232 | MAYNE BAY | 057 | 02 | 03 | 13 | 29 | 5 | 0 | 100 | 91 |
| 23 | 232 | CHROW ISLANDS | 058 | 02 | 02 | 22 | 29 | 5 | 0 | 100 | 90 |
| 23 | 232 | FOOD ISLETS | 059 | 02 | 03 | 14 | 29 | 5 | 0 | 100 | 90 |
| 23 | 232 | DAVID CHANNEL | 060 | 02 | 03 | 15 | 29 | 5 | 0 | 100 | 95 |
| 23 | 232 | FOOD ISLETS | 061 | 02 | 02 | 25 | 29 | 5 | 0 | 100 | 91 |
| 23 | 232 | DAVID ISLAND | 062 | 02 | 02 | 27 | 29 | 5 | 0 | 100 | 93 |
| 23 | 232 | FORBES ISLAND | 063 | 02 | 03 | 01 | 29 | 5 | 0 | 100 | 98 |
| 23 | 232 | CHROW ISLANDS | 064 | 02 | 03 | 02 | 29 | 5 | 0 | 100 | 89 |
| 23 | 232 | TOQUART BAY | 065 | 02 | 03 | 17 | 29 | 5 | 0 | 100 | 89 |
| 23 | 232 | ST. INES ISLAND | 066 | 02 | 03 | 12 | 29 | 5 | 0 | 100 | 92 |
| 23 | 232 | ST. INES ISLAND | 067 | 02 | 03 | 05 | 29 | 5 | 0 | 100 | 94 |
| 23 | 232 | DAVID ISLAND | 068 | 02 | 02 | 26 | 29 | 5 | 0 | 100 | 94 |
| 17 | 172 | NANOOSE BAY | 069 | 02 | 03 | 17 | 19 | 0 | 0 | 100 | 84 |
| 14 | 143 | FRENCH CREEK | 070 | 02 | 03 | 07 | 19 | 0 | 0 | 100 | 84 |
| 17 | 172 | HAMMOND BAY | 071 | 02 | 03 | 18 | 19 | 0 | 0 | 100 | 84 |
| 14 | 142 | COMOX BAR | 072 | 02 | 03 | 07 | 29 | 0 | 0 | 100 | 85 |
| 14 | 142 | CAPE LAZO | 073 | 02 | 03 | 18 | 19 | 0 | 0 | 100 | 83 |
| 14 | 142 | CAPE LAZO | 074 | 02 | 03 | 17 | 19 | 0 | 0 | 100 | 91 |
| 14 | 142 | CAPE LAZO | 075 | 02 | 03 | 20 | 19 | 0 | 0 | 100 | 71 |
| 14 | 142 | BAYNES SOUND, UPPER | 076 | 02 | 03 | 07 | 29 | 0 | 0 | 100 | 93 |
| 14 | 143 | FRENCH CREEK | 077 | 02 | 03 | 17 | 19 | 0 | 0 | 100 | 83 |
| 14 | 142 | SANDY ISLAND | 078 | 02 | 03 | 07 | 29 | 0 | 0 | 100 | 96 |
| 17 | 172 | HAMMOND BAY | 079 | 02 | 03 | 20 | 19 | 0 | 0 | 100 | 77 |
| 14 | 142 | CAPE LAZO | 080 | 02 | 03 | 19 | 19 | 0 | 0 | 100 | 93 |

Table 3. (cont'd).

| Statistical Area | Section | Location | Sample Number | Year | Month | Day | Gear | Source | Preservation | No. of Fish | |
|------------------|---------|---------------------------|---------------|------|-------|-----|------|--------|--------------|-------------|------|
| | | | | | | | | | | Sampled | Aged |
| 14 | 142 | SANDY ISLAND | 081 | 02 | 03 | 07 | 29 | 0 | 0 | 100 | 86 |
| 14 | 142 | UNION BAY | 082 | 02 | 03 | 07 | 29 | 0 | 0 | 100 | 88 |
| 14 | 142 | SANDY ISLAND | 083 | 02 | 03 | 07 | 29 | 0 | 0 | 100 | 89 |
| 14 | 141 | KYE BAY | 084 | 02 | 03 | 20 | 19 | 0 | 0 | 100 | 84 |
| 14 | 142 | HENRY BAY | 085 | 02 | 03 | 07 | 29 | 0 | 0 | 100 | 93 |
| 14 | 142 | BAYNES SOUND, LOWER | 086 | 02 | 03 | 07 | 29 | 0 | 0 | 100 | 86 |
| 14 | 143 | PARKSVILLE | 087 | 02 | 02 | 08 | 29 | 6 | 0 | 100 | 95 |
| 14 | 142 | SANDY ISLAND | 088 | 02 | 03 | 08 | 29 | 0 | 0 | 100 | 96 |
| 07 | 072 | BERRY INLET | 089 | 02 | 03 | 28 | 29 | 4 | 0 | 100 | 92 |
| 14 | 142 | CAPE LAZO | 090 | 02 | 03 | 17 | 19 | 0 | 0 | 100 | 81 |
| 14 | 142 | SANDY ISLAND | 091 | 02 | 03 | 07 | 29 | 0 | 0 | 100 | 97 |
| 07 | 074 | STRYKER BAY | 092 | 02 | 03 | 19 | 29 | 5 | 0 | 100 | 93 |
| 07 | 078 | NEEKAS COVE | 093 | 02 | 03 | 25 | 29 | 5 | 0 | 100 | 91 |
| 07 | 072 | BERRY INLET | 094 | 02 | 03 | 21 | 29 | 5 | 0 | 100 | 94 |
| 17 | 173 | BOAT HARBOUR | 095 | 02 | 02 | 28 | 29 | 5 | 0 | 100 | 91 |
| 07 | 072 | BERRY INLET | 096 | 02 | 03 | 26 | 29 | 5 | 0 | 100 | 100 |
| 07 | 072 | FOOTE ISLETS | 097 | 02 | 03 | 14 | 29 | 5 | 0 | 100 | 97 |
| 09 | 093 | RIVERS INLET-HEAD | 098 | 02 | 03 | 14 | 29 | 5 | 0 | 100 | 90 |
| 14 | 143 | LITTLE QUALICUM RVR | 099 | 02 | 03 | 03 | 29 | 5 | 0 | 100 | 94 |
| 17 | 173 | YELLOW POINT | 100 | 02 | 03 | 01 | 29 | 5 | 0 | 100 | 88 |
| 08 | 085 | KWAKSHUA CHANNEL | 101 | 02 | 03 | 03 | 29 | 5 | 0 | 100 | 93 |
| 07 | 077 | EAST HIGGINS PASS | 102 | 02 | 03 | 28 | 29 | 5 | 0 | 100 | 92 |
| 07 | 072 | MOSQUITO BAY | 103 | 02 | 03 | 22 | 29 | 5 | 0 | 100 | 91 |
| 07 | 078 | NEEKAS COVE | 104 | 02 | 03 | 24 | 29 | 5 | 0 | 100 | 92 |
| 07 | 072 | FOOTE ISLETS | 105 | 02 | 03 | 24 | 29 | 5 | 0 | 100 | 98 |
| 07 | 077 | EAST HIGGINS PASS | 106 | 02 | 03 | 13 | 29 | 5 | 0 | 100 | 100 |
| 06 | 067 | KITASU BAY | 107 | 02 | 03 | 28 | 29 | 5 | 0 | 100 | 94 |
| 07 | 074 | DUNDIVAN INLET | 108 | 02 | 03 | 21 | 29 | 5 | 0 | 100 | 97 |
| 07 | 077 | EAST HIGGINS PASS | 109 | 02 | 03 | 06 | 29 | 5 | 0 | 100 | 96 |
| 07 | 074 | BODDY PASSAGE/ NARROWS | 110 | 02 | 03 | 19 | 29 | 5 | 0 | 100 | 95 |
| 06 | 067 | KITASU BAY | 111 | 02 | 03 | 29 | 29 | 5 | 0 | 100 | 95 |
| 07 | 074 | DUNDIVAN INLET | 112 | 02 | 03 | 16 | 29 | 5 | 0 | 100 | 95 |
| 07 | 077 | EAST HIGGINS PASS | 113 | 02 | 03 | 16 | 29 | 5 | 0 | 100 | 93 |
| 07 | 074 | JOASSA CHANNEL | 114 | 02 | 03 | 11 | 29 | 5 | 0 | 100 | 93 |
| 07 | 074 | DUNDIVAN INLET | 115 | 02 | 03 | 17 | 29 | 5 | 0 | 100 | 92 |
| 07 | 078 | NEEKAS COVE | 116 | 02 | 03 | 25 | 29 | 5 | 0 | 100 | 94 |
| 07 | 077 | EAST HIGGINS PASS | 117 | 02 | 03 | 21 | 29 | 5 | 0 | 100 | 96 |
| 08 | 085 | FAIRMILE PASSAGE | 118 | 02 | 03 | 17 | 29 | 5 | 0 | 100 | 93 |
| 09 | 092 | GOOSE BAY | 119 | 02 | 03 | 13 | 29 | 5 | 0 | 100 | 98 |
| 10 | 103 | SMITH INLET | 120 | 02 | 03 | 12 | 29 | 5 | 0 | 100 | 92 |
| 06 | 067 | MEYERS PASSAGE | 121 | 02 | 03 | 14 | 29 | 5 | 0 | 100 | 96 |
| 00 | 002 | TINGLEY COVE | 122 | 02 | 03 | 25 | 29 | 5 | 0 | 100 | 93 |
| 02 | 025 | SKINCUTTLE INLET | 123 | 02 | 03 | 12 | 29 | 5 | 0 | 100 | 92 |
| 02 | 021 | DE LA BECHE INLET | 124 | 02 | 03 | 15 | 29 | 5 | 0 | 100 | 93 |
| 02 | 021 | DE LA BECHE INLET | 125 | 02 | 03 | 15 | 29 | 5 | 0 | 100 | 97 |
| 07 | 077 | EAST HIGGINS PASS | 126 | 02 | 03 | 22 | 29 | 5 | 0 | 100 | 97 |
| 00 | 003 | SEAL INLET | 127 | 02 | 03 | 27 | 29 | 5 | 0 | 100 | 94 |
| 00 | 003 | KANO INLET | 128 | 02 | 03 | 17 | 29 | 5 | 0 | 100 | 98 |
| 00 | 003 | SHIELDS BAY | 129 | 02 | 03 | 23 | 29 | 5 | 0 | 100 | 100 |
| 00 | 005 | SECURITY INLET | 130 | 02 | 03 | 21 | 29 | 5 | 0 | 100 | 98 |
| 00 | 005 | SECURITY INLET | 131 | 02 | 03 | 21 | 29 | 5 | 0 | 100 | 96 |
| 00 | 005 | PEEL INLET | 132 | 02 | 03 | 30 | 29 | 5 | 0 | 100 | 93 |
| 00 | 002 | PORT LOUIS | 133 | 02 | 03 | 18 | 29 | 5 | 0 | 100 | 96 |
| 02 | 021 | DE LA BECHE INLET | 134 | 02 | 03 | 13 | 29 | 5 | 0 | 100 | 97 |
| 00 | 002 | PORT LOUIS | 135 | 02 | 03 | 18 | 29 | 5 | 0 | 100 | 95 |
| 00 | 003 | RENNELL SOUND | 136 | 02 | 03 | 19 | 29 | 5 | 0 | 100 | 94 |
| 00 | 004 | DAWSON HARBOUR | 137 | 02 | 03 | 21 | 29 | 5 | 0 | 100 | 95 |

Table 3. (cont'd).

| Statistical Area | Section | Location | Sample Number | Year | Month | Day | Gear | Source | Preservation | No. of Fish | |
|------------------|---------|-------------------|---------------|------|-------|-----|------|--------|--------------|-------------|------|
| | | | | | | | | | | Sampled | Aged |
| 00 | 003 | KANO INLET | 138 | 02 | 03 | 17 | 29 | 5 | 0 | 100 | 98 |
| 07 | 078 | NEEKAS INLET | 139 | 02 | 03 | 20 | 29 | 5 | 0 | 100 | 94 |
| 06 | 067 | KITASU BAY | 140 | 02 | 03 | 22 | 29 | 5 | 0 | 100 | 96 |
| 25 | 251 | TAHSIS INLET | 141 | 02 | 03 | 06 | 29 | 5 | 0 | 100 | 94 |
| 07 | 074 | WASKESIU PASS | 142 | 02 | 03 | 08 | 29 | 5 | 0 | 100 | 96 |
| 09 | 092 | GOOSE BAY | 143 | 02 | 03 | 02 | 29 | 5 | 0 | 100 | 94 |
| 00 | 002 | TINGLEY COVE | 144 | 02 | 03 | 24 | 29 | 5 | 0 | 100 | 95 |
| 25 | 253 | HARBOUR ISLAND | 145 | 02 | 03 | 07 | 29 | 5 | 0 | 100 | 87 |
| 25 | 253 | ROSA HARBOUR | 146 | 02 | 03 | 02 | 29 | 5 | 0 | 100 | 89 |
| 25 | 253 | ROSA HARBOUR | 147 | 02 | 03 | 20 | 29 | 5 | 0 | 100 | 86 |
| 02 | 021 | WANDERER ISLAND | 148 | 02 | 03 | 17 | 29 | 5 | 0 | 100 | 86 |
| 02 | 021 | KAT ISLAND | 149 | 02 | 03 | 07 | 29 | 5 | 0 | 100 | 96 |
| 02 | 025 | HUSTON INLET | 150 | 02 | 03 | 05 | 29 | 5 | 0 | 100 | 93 |
| 02 | 025 | HUSTON INLET EAST | 151 | 02 | 03 | 01 | 29 | 5 | 0 | 100 | 96 |
| 02 | 021 | WANDERER ISLAND | 152 | 02 | 03 | 11 | 29 | 5 | 0 | 100 | 96 |
| 02 | 025 | HUSTON INLET | 153 | 02 | 02 | 28 | 29 | 5 | 0 | 100 | 89 |
| 02 | 021 | KAT ISLAND | 154 | 02 | 03 | 21 | 29 | 4 | 0 | 100 | 90 |
| 02 | 021 | SKAAT HARBOUR | 155 | 02 | 03 | 17 | 29 | 5 | 0 | 100 | 97 |
| 14 | 142 | SANDY ISLAND | 156 | 02 | 03 | 11 | 29 | 5 | 0 | 100 | 88 |
| 00 | 006 | LOUSCOONE INLET | 157 | 02 | 02 | 27 | 29 | 4 | 0 | 100 | 93 |
| 02 | 021 | KAT ISLAND | 158 | 02 | 03 | 17 | 29 | 5 | 0 | 100 | 92 |
| 25 | 253 | CENTRE ISLAND | 159 | 02 | 03 | 11 | 29 | 5 | 0 | 100 | 96 |
| 02 | 021 | NOMAD ISLET | 160 | 02 | 03 | 19 | 29 | 4 | 0 | 100 | 97 |
| 14 | 142 | BUCKLEY BAY | 161 | 02 | 03 | 13 | 29 | 5 | 0 | 100 | 98 |
| 02 | 021 | ISLAND BAY | 162 | 02 | 03 | 21 | 29 | 4 | 0 | 100 | 98 |
| 02 | 021 | HUXLEY ISLAND | 163 | 02 | 03 | 19 | 29 | 5 | 0 | 100 | 98 |
| 02 | 021 | SECTION ISLAND | 164 | 02 | 03 | 23 | 29 | 4 | 0 | 100 | 94 |
| 25 | 253 | ROSA HARBOUR | 165 | 02 | 03 | 08 | 29 | 5 | 0 | 100 | 95 |
| 08 | 085 | FAIRMILE PASSAGE | 166 | 02 | 03 | 04 | 29 | 5 | 0 | 100 | 96 |
| 25 | 252 | KENDRICK INLET | 167 | 02 | 03 | 08 | 29 | 5 | 0 | 100 | 97 |
| 25 | 253 | ROSA ISLAND | 168 | 02 | 03 | 14 | 29 | 5 | 0 | 100 | 91 |
| 07 | 074 | WASKESIU PASS | 169 | 02 | 03 | 17 | 29 | 5 | 0 | 100 | 93 |
| 25 | 253 | ROSA HARBOUR | 170 | 02 | 03 | 10 | 29 | 5 | 0 | 100 | 84 |
| 25 | 253 | ROSA HARBOUR | 171 | 02 | 03 | 14 | 29 | 5 | 0 | 100 | 91 |
| 07 | 072 | BUSH POINT | 172 | 02 | 03 | 16 | 29 | 5 | 0 | 100 | 98 |
| 25 | 253 | CENTRE ISLAND | 173 | 02 | 03 | 15 | 29 | 5 | 0 | 100 | 98 |
| 02 | 021 | ISLAND BAY | 174 | 02 | 03 | 19 | 29 | 4 | 0 | 100 | 98 |
| 14 | 142 | FLORA ISLET | 175 | 02 | 02 | 26 | 29 | 5 | 0 | 100 | 96 |
| 02 | 025 | HUSTON INLET | 176 | 02 | 03 | 05 | 29 | 5 | 0 | 100 | 98 |
| 02 | 021 | KAT ISLAND | 177 | 02 | 03 | 12 | 29 | 5 | 0 | 100 | 90 |
| 14 | 142 | TRIBUNE BAY | 178 | 02 | 03 | 02 | 29 | 5 | 0 | 100 | 97 |
| 07 | 077 | EAST HIGGINS PASS | 179 | 02 | 03 | 24 | 29 | 5 | 0 | 100 | 87 |
| 14 | 142 | UNION POINT | 180 | 02 | 03 | 20 | 29 | 5 | 0 | 100 | 90 |
| 02 | 021 | KAT ISLAND | 181 | 02 | 03 | 20 | 29 | 5 | 0 | 100 | 99 |
| 14 | 142 | GARTLEY POINT | 182 | 02 | 03 | 07 | 29 | 5 | 0 | 100 | 92 |
| 14 | 142 | CAPE GUMEY | 183 | 02 | 02 | 27 | 29 | 5 | 0 | 100 | 97 |
| 14 | 143 | QUALICUM BEACH | 184 | 02 | 02 | 25 | 29 | 5 | 0 | 100 | 90 |
| 07 | 074 | LOCKHART BAY | 185 | 02 | 03 | 22 | 29 | 5 | 0 | 100 | 97 |
| 07 | 077 | EAST HIGGINS PASS | 186 | 02 | 03 | 18 | 29 | 5 | 0 | 100 | 97 |
| 14 | 142 | CHROME ISLAND | 187 | 02 | 03 | 05 | 29 | 5 | 0 | 100 | 98 |
| 10 | 103 | SMITH INLET | 188 | 02 | 03 | 02 | 29 | 5 | 0 | 100 | 93 |
| 25 | 253 | HARBOUR ISLAND | 189 | 02 | 03 | 04 | 29 | 5 | 0 | 100 | 92 |
| 24 | 243 | SYDNEY INLET | 190 | 02 | 03 | 20 | 29 | 5 | 0 | 100 | 90 |
| 24 | 243 | ADVENTURE POINT | 191 | 02 | 02 | 27 | 29 | 5 | 0 | 100 | 95 |
| 25 | 253 | DOUBLE ISLAND | 192 | 02 | 02 | 28 | 29 | 5 | 0 | 100 | 88 |
| 07 | 074 | DUNDIVAN INLET | 193 | 02 | 03 | 09 | 29 | 5 | 0 | 100 | 95 |
| 14 | 142 | REPULSE POINT | 194 | 02 | 03 | 15 | 29 | 5 | 0 | 100 | 97 |
| 07 | 078 | NEEKAS INLET | 195 | 02 | 03 | 26 | 29 | 5 | 0 | 100 | 95 |
| 17 | 172 | LANTZVILLE | 196 | 02 | 01 | 13 | 29 | 6 | 0 | 100 | 96 |

Table 3. (cont'd).

| Statistical Area | Section | Location | Sample Number | Year | Month | Day | Gear | Source | Preservation | No. of Fish | |
|------------------|---------|---------------------|---------------|------|-------|-----|------|--------|--------------|-------------|------|
| | | | | | | | | | | Sampled | Aged |
| 25 | 253 | ROSA ISLAND | 197 | 02 | 03 | 13 | 29 | 5 | 0 | 100 | 94 |
| 24 | 243 | YOUNG BAY | 198 | 02 | 03 | 16 | 29 | 5 | 0 | 100 | 89 |
| 07 | 072 | TANKEEAH RIVER | 199 | 02 | 03 | 22 | 29 | 5 | 0 | 100 | 97 |
| 24 | 243 | STARLING POINT | 200 | 02 | 03 | 16 | 29 | 5 | 0 | 100 | 92 |
| 04 | 042 | WHITECLIFF ISLAND | 201 | 02 | 03 | 28 | 29 | 5 | 0 | 100 | 97 |
| 24 | 243 | HOLMES INLET | 202 | 02 | 03 | 07 | 29 | 5 | 0 | 100 | 90 |
| 05 | 052 | VISCOUNT POINT | 203 | 02 | 04 | 01 | 29 | 5 | 0 | 100 | 90 |
| 25 | 253 | ESPERANZA INLET | 204 | 02 | 02 | 26 | 29 | 5 | 0 | 100 | 84 |
| 25 | 251 | TAHSIS INLET | 205 | 02 | 03 | 10 | 29 | 5 | 0 | 100 | 53 |
| 25 | 253 | ROSA HARBOUR | 206 | 02 | 03 | 04 | 29 | 5 | 0 | 100 | 98 |
| 04 | 042 | BIG BAY | 207 | 02 | 03 | 28 | 29 | 5 | 0 | 100 | 98 |
| 05 | 052 | ROBERT ISLAND | 208 | 02 | 03 | 31 | 29 | 5 | 0 | 100 | 98 |
| 04 | 042 | SHATTOCK POINT | 209 | 02 | 03 | 27 | 29 | 5 | 0 | 100 | 95 |
| 14 | 143 | FRENCH CREEK | 210 | 02 | 03 | 16 | 29 | 5 | 0 | 100 | 89 |
| 14 | 143 | GRAVELLY BAY | 211 | 02 | 03 | 15 | 29 | 5 | 0 | 100 | 95 |
| 04 | 042 | SWALLOW ISLAND | 212 | 02 | 03 | 26 | 29 | 5 | 0 | 100 | 95 |
| 14 | 142 | GOOSE SPIT | 213 | 02 | 03 | 11 | 29 | 5 | 0 | 100 | 98 |
| 06 | 067 | PARSONS ANCHORAGE | 214 | 02 | 03 | 25 | 29 | 5 | 0 | 100 | 88 |
| 14 | 143 | FRENCH CREEK | 215 | 02 | 03 | 17 | 29 | 5 | 0 | 100 | 96 |
| 05 | 052 | ROBERT ISLAND | 216 | 02 | 04 | 01 | 29 | 5 | 0 | 100 | 98 |
| 04 | 042 | BIG BAY | 217 | 02 | 03 | 27 | 29 | 5 | 0 | 100 | 98 |
| 07 | 072 | BERRY INLET | 218 | 02 | 03 | 22 | 29 | 5 | 0 | 100 | 95 |
| 14 | 142 | SHINGLE SPIT | 219 | 02 | 03 | 17 | 29 | 5 | 0 | 100 | 96 |
| 08 | 085 | PRUTH BAY | 220 | 02 | 03 | 20 | 29 | 5 | 0 | 100 | 95 |
| 14 | 142 | SEAL ISLETS | 221 | 02 | 03 | 08 | 29 | 5 | 0 | 100 | 96 |
| 05 | 052 | GOSCHEN ISLAND | 222 | 02 | 04 | 02 | 29 | 5 | 0 | 100 | 97 |
| 07 | 074 | NORMAN MORRISON BAY | 223 | 02 | 03 | 21 | 29 | 5 | 0 | 100 | 96 |
| 08 | 085 | PRUTH BAY | 224 | 02 | 03 | 21 | 29 | 5 | 0 | 100 | 89 |
| 14 | 142 | COMOX BAR | 225 | 02 | 03 | 19 | 29 | 5 | 0 | 100 | 89 |
| 14 | 142 | LONGBEAK POINT | 226 | 02 | 03 | 08 | 29 | 5 | 0 | 100 | 97 |
| 06 | 067 | KITASU BAY | 227 | 02 | 03 | 26 | 29 | 5 | 0 | 100 | 95 |
| 06 | 067 | PARSONS ANCHORAGE | 228 | 02 | 03 | 24 | 29 | 5 | 0 | 100 | 99 |
| 07 | 072 | FOOTE ISLETS | 229 | 02 | 03 | 25 | 29 | 5 | 0 | 100 | 98 |
| 07 | 072 | MOSQUITO BAY | 230 | 02 | 03 | 25 | 29 | 5 | 0 | 100 | 95 |
| 04 | 042 | SHATTOCK POINT | 231 | 02 | 03 | 27 | 29 | 5 | 0 | 100 | 97 |
| 04 | 042 | SIMPSON POINT | 232 | 02 | 03 | 28 | 29 | 5 | 0 | 100 | 98 |
| 25 | 253 | OWOSSITSA CREEK | 233 | 02 | 02 | 28 | 29 | 5 | 0 | 100 | 94 |
| 05 | 053 | WILSON INLET | 234 | 02 | 04 | 02 | 29 | 5 | 0 | 100 | 94 |
| 07 | 072 | MOSQUITO BAY | 235 | 02 | 03 | 26 | 29 | 5 | 0 | 100 | 92 |
| 07 | 072 | BERRY INLET | 236 | 02 | 03 | 13 | 29 | 5 | 0 | 100 | 92 |
| 07 | 072 | BUSH POINT | 237 | 02 | 03 | 19 | 29 | 5 | 0 | 100 | 96 |
| 07 | 074 | DUNDIVAN INLET | 238 | 02 | 03 | 12 | 29 | 5 | 0 | 100 | 92 |
| 06 | 067 | KITASU BAY | 239 | 02 | 03 | 27 | 29 | 5 | 0 | 100 | 91 |
| 06 | 067 | KITASU BAY | 240 | 02 | 03 | 29 | 29 | 5 | 0 | 100 | 94 |
| 25 | 253 | PORT ELIZA | 241 | 02 | 03 | 06 | 29 | 5 | 0 | 100 | 94 |
| 02 | 021 | KAT ISLAND | 242 | 02 | 03 | 15 | 29 | 5 | 0 | 100 | 93 |
| 05 | 052 | KITKATLA INLET | 243 | 02 | 03 | 30 | 29 | 5 | 0 | 100 | 96 |
| 05 | 052 | WILLIS BAY | 244 | 02 | 03 | 23 | 29 | 5 | 0 | 100 | 96 |
| 05 | 052 | KITKATLA CREEK | 245 | 02 | 03 | 19 | 29 | 5 | 0 | 100 | 98 |
| 05 | 052 | WILLIS BAY | 246 | 02 | 03 | 22 | 29 | 5 | 0 | 100 | 92 |
| 05 | 052 | WILLIS BAY | 247 | 02 | 03 | 19 | 29 | 5 | 0 | 100 | 95 |
| 05 | 052 | WILLIS BAY | 248 | 02 | 04 | 03 | 29 | 5 | 0 | 100 | 95 |
| 05 | 052 | KITKATLA CREEK | 249 | 02 | 03 | 21 | 29 | 5 | 0 | 100 | 91 |
| 05 | 052 | PORCHER PENINSULA | 250 | 02 | 04 | 05 | 29 | 5 | 0 | 100 | 94 |
| 05 | 052 | GURD INLET | 251 | 02 | 03 | 25 | 29 | 4 | 0 | 100 | 94 |
| 05 | 052 | WILLIS BAY | 252 | 02 | 03 | 17 | 29 | 5 | 0 | 100 | 98 |
| 05 | 052 | GURD ISLAND | 253 | 02 | 04 | 04 | 29 | 5 | 0 | 100 | 98 |
| 05 | 052 | KITKATLA CREEK | 254 | 02 | 03 | 17 | 29 | 5 | 0 | 100 | 95 |

Table 3. (cont'd).

| Statistical Area | Section | Location | Sample Number | Year | Month | Day | Gear | Source | Preservation | No. of Fish | |
|------------------|---------|---------------------|---------------|------|-------|-----|------|--------|--------------|-------------|------|
| | | | | | | | | | | Sampled | Aged |
| 05 | 052 | WILLIS BAY | 255 | 02 | 03 | 21 | 29 | 5 | 0 | 100 | 94 |
| 05 | 052 | DRIES INLET | 256 | 02 | 03 | 24 | 29 | 4 | 0 | 100 | 90 |
| 06 | 067 | MEYERS PASSAGE | 257 | 02 | 03 | 10 | 29 | 5 | 0 | 100 | 96 |
| 25 | 253 | ROSA HARBOUR | 258 | 02 | 03 | 15 | 29 | 5 | 0 | 100 | 94 |
| 08 | 085 | KWAKSHUA CHANNEL | 259 | 02 | 03 | 15 | 29 | 5 | 0 | 100 | 96 |
| 24 | 245 | BEDWELL SOUND | 260 | 02 | 03 | 21 | 29 | 5 | 0 | 100 | 62 |
| 07 | 072 | BUSH POINT | 261 | 02 | 03 | 18 | 29 | 5 | 0 | 100 | 93 |
| 02 | 021 | WANDERER ISLAND | 262 | 02 | 03 | 19 | 29 | 4 | 0 | 100 | 88 |
| 25 | 253 | ROSA HARBOUR | 263 | 02 | 03 | 14 | 29 | 5 | 0 | 100 | 91 |
| 25 | 253 | ROSA HARBOUR | 264 | 02 | 03 | 20 | 29 | 5 | 0 | 100 | 91 |
| 07 | 077 | EAST HIGGINS PASS | 265 | 02 | 03 | 25 | 29 | 4 | 0 | 100 | 98 |
| 02 | 021 | ISLAND BAY | 266 | 02 | 03 | 13 | 29 | 5 | 0 | 100 | 94 |
| 25 | 253 | CENTRE ISLAND | 267 | 02 | 03 | 10 | 29 | 5 | 0 | 100 | 96 |
| 25 | 253 | ROSA HARBOUR | 268 | 02 | 03 | 17 | 29 | 5 | 0 | 100 | 92 |
| 25 | 252 | MARVINAS BAY/ISLAND | 269 | 02 | 03 | 18 | 29 | 5 | 0 | 100 | 93 |
| 25 | 253 | ROSA HARBOUR | 270 | 02 | 03 | 22 | 29 | 5 | 0 | 100 | 96 |
| 25 | 253 | DOUBLE ISLAND | 271 | 02 | 03 | 18 | 29 | 5 | 0 | 100 | 88 |
| 25 | 253 | ROSA HARBOUR | 272 | 02 | 03 | 14 | 29 | 5 | 0 | 100 | 92 |
| 04 | 042 | TRENHAM POINT | 273 | 02 | 03 | 25 | 19 | 0 | 0 | 100 | 91 |
| 02 | 021 | KAT ISLAND | 274 | 02 | 03 | 21 | 29 | 0 | 0 | 82 | 77 |
| 07 | 072 | MOSQUITO BAY | 275 | 02 | 03 | 27 | 29 | 0 | 0 | 100 | 93 |
| 02 | 021 | KAT ISLAND | 276 | 02 | 03 | 21 | 29 | 0 | 0 | 100 | 91 |
| 02 | 021 | DOLOMITE POINT | 277 | 02 | 03 | 21 | 29 | 0 | 0 | 100 | 84 |
| 04 | 042 | REEKS POINT | 278 | 02 | 03 | 27 | 19 | 0 | 0 | 100 | 86 |
| 05 | 052 | CLAMSHELL ISLAND | 279 | 02 | 04 | 05 | 29 | 0 | 0 | 100 | 94 |
| 05 | 052 | DOLPHIN ISLAND | 280 | 02 | 04 | 03 | 29 | 0 | 0 | 100 | 92 |
| 02 | 021 | DOLOMITE POINT | 281 | 02 | 03 | 21 | 29 | 0 | 0 | 100 | 85 |
| 02 | 021 | DOLOMITE POINT | 282 | 02 | 03 | 21 | 29 | 0 | 0 | 100 | 94 |
| 02 | 021 | DOLOMITE POINT | 283 | 02 | 03 | 21 | 29 | 0 | 0 | 100 | 85 |
| 04 | 042 | SWALLOW ISLAND | 284 | 02 | 03 | 29 | 19 | 0 | 0 | 100 | 80 |
| 02 | 021 | KAT ISLAND | 285 | 02 | 03 | 21 | 29 | 0 | 0 | 100 | 86 |
| 07 | 072 | FOOTE ISLETS | 286 | 02 | 03 | 27 | 29 | 0 | 0 | 100 | 92 |
| 04 | 042 | SALMON BIGHT | 287 | 02 | 03 | 27 | 19 | 0 | 0 | 100 | 96 |
| 07 | 077 | EAST HIGGINS PASS | 288 | 02 | 04 | 02 | 19 | 0 | 0 | 100 | 82 |
| 25 | 253 | ROSA ISLAND | 289 | 02 | 03 | 25 | 19 | 0 | 0 | 100 | 75 |
| 07 | 077 | EAST HIGGINS PASS | 290 | 02 | 04 | 02 | 19 | 0 | 0 | 100 | 77 |
| 02 | 021 | KAT ISLAND | 291 | 02 | 03 | 21 | 29 | 0 | 0 | 100 | 84 |
| 05 | 052 | GOSCHEN POINT | 292 | 02 | 04 | 03 | 29 | 0 | 0 | 100 | 98 |
| 04 | 042 | SIMPSON POINT | 293 | 02 | 03 | 26 | 19 | 0 | 0 | 100 | 87 |
| 07 | 072 | FOOTE ISLETS | 294 | 02 | 03 | 27 | 29 | 0 | 0 | 100 | 87 |
| 05 | 052 | GOSCHEN POINT | 295 | 02 | 04 | 03 | 29 | 0 | 0 | 100 | 95 |
| 05 | 052 | GURD ISLAND | 296 | 02 | 04 | 06 | 29 | 0 | 0 | 100 | 94 |
| 02 | 021 | KAT ISLAND | 297 | 02 | 03 | 21 | 29 | 0 | 0 | 100 | 97 |
| 07 | 072 | FOOTE ISLETS | 298 | 02 | 03 | 29 | 29 | 0 | 0 | 100 | 68 |
| 04 | 042 | TRENHAM POINT | 299 | 02 | 03 | 26 | 19 | 0 | 0 | 100 | 89 |
| 05 | 052 | CLAMSHELL ISLAND | 300 | 02 | 04 | 05 | 29 | 0 | 0 | 100 | 94 |
| 04 | 042 | SIMPSON POINT | 301 | 02 | 03 | 25 | 19 | 0 | 0 | 100 | 82 |
| 04 | 042 | BURNT CLIFF ISLAND | 302 | 02 | 03 | 28 | 19 | 0 | 0 | 100 | 87 |
| 04 | 042 | SIMPSON POINT | 303 | 02 | 03 | 26 | 19 | 0 | 0 | 100 | 90 |
| 04 | 042 | SALMON BIGHT | 304 | 02 | 03 | 28 | 19 | 0 | 0 | 100 | 91 |
| 07 | 077 | EAST HIGGINS PASS | 305 | 02 | 03 | 29 | 29 | 0 | 0 | 100 | 94 |
| 25 | 253 | ROSA HARBOUR | 306 | 02 | 03 | 27 | 19 | 0 | 0 | 100 | 79 |
| 07 | 072 | FOOTE ISLETS | 307 | 02 | 03 | 28 | 29 | 0 | 0 | 100 | 92 |
| 07 | 077 | EAST HIGGINS PASS | 308 | 02 | 04 | 02 | 19 | 0 | 0 | 100 | 85 |
| 05 | 052 | ROBERT ISLAND | 309 | 02 | 04 | 05 | 29 | 0 | 0 | 100 | 93 |
| 05 | 052 | WILLIS BAY | 310 | 02 | 04 | 03 | 29 | 0 | 0 | 100 | 95 |
| 02 | 021 | KAT ISLAND | 311 | 02 | 03 | 21 | 29 | 0 | 0 | 100 | 92 |
| 25 | 253 | NUCHATLITZ INLET | 312 | 02 | 03 | 27 | 19 | 0 | 0 | 100 | 62 |
| 05 | 052 | GURD ISLAND | 313 | 02 | 04 | 06 | 29 | 0 | 0 | 100 | 96 |

Table 3. (cont'd).

| Statistical Area | Section | Location | Sample Number | Year | Month | Day | Gear | Source | Preservation | No. of Fish | |
|------------------|---------|-------------------|---------------|------|-------|-----|------|--------|--------------|-------------|------|
| | | | | | | | | | | Sampled | Aged |
| 07 | 072 | BERRY INLET | 314 | 02 | 03 | 28 | 29 | 0 | 0 | 100 | 92 |
| 07 | 072 | BUSH POINT | 315 | 02 | 03 | 28 | 29 | 0 | 0 | 100 | 88 |
| 05 | 052 | ROBERT ISLAND | 316 | 02 | 04 | 06 | 29 | 0 | 0 | 100 | 96 |
| 25 | 253 | ESPERANZA INLET | 317 | 02 | 03 | 26 | 19 | 0 | 0 | 100 | 74 |
| 07 | 078 | NEEKAS COVE | 318 | 02 | 03 | 27 | 29 | 0 | 0 | 100 | 89 |
| 07 | 072 | FOOTE ISLETS | 319 | 02 | 03 | 28 | 29 | 0 | 0 | 100 | 86 |
| 07 | 077 | EAST HIGGINS PASS | 320 | 02 | 04 | 02 | 19 | 0 | 0 | 100 | 87 |
| 07 | 077 | EAST HIGGINS PASS | 321 | 02 | 03 | 28 | 29 | 0 | 0 | 100 | 97 |
| 25 | 253 | ROSA ISLAND | 322 | 02 | 03 | 26 | 19 | 0 | 0 | 100 | 92 |
| 25 | 253 | ROSA ISLAND | 323 | 02 | 03 | 27 | 19 | 0 | 0 | 100 | 77 |
| 07 | 077 | EAST HIGGINS PASS | 324 | 02 | 04 | 02 | 19 | 0 | 0 | 100 | 84 |
| 25 | 253 | NUCHATLITZ INLET | 325 | 02 | 03 | 27 | 19 | 0 | 0 | 100 | 76 |
| 07 | 077 | EAST HIGGINS PASS | 326 | 02 | 04 | 02 | 19 | 0 | 0 | 100 | 89 |
| 05 | 052 | VISCOUNT POINT | 327 | 02 | 04 | 03 | 29 | 0 | 0 | 100 | 92 |
| 07 | 072 | TANKEAH RIVER | 328 | 02 | 03 | 27 | 29 | 0 | 0 | 100 | 94 |
| 05 | 052 | GOSCHEN POINT | 329 | 02 | 04 | 02 | 29 | 5 | 0 | 100 | 97 |
| 04 | 042 | TUGWELL ISLAND | 330 | 02 | 03 | 13 | 29 | 5 | 0 | 100 | 94 |
| 05 | 052 | SHAKES ISLANDS | 331 | 02 | 04 | 03 | 29 | 5 | 0 | 100 | 99 |
| 05 | 053 | TANGENT ISLAND | 332 | 02 | 04 | 17 | 19 | 5 | 0 | 100 | 92 |
| 07 | 078 | NEEKAS INLET | 333 | 02 | 03 | 27 | 29 | 0 | 0 | 100 | 87 |
| 05 | 052 | GURD INLET | 334 | 02 | 04 | 06 | 29 | 5 | 0 | 100 | 95 |
| 04 | 042 | TUGWELL ISLAND | 335 | 02 | 03 | 14 | 29 | 5 | 0 | 100 | 90 |
| 05 | 052 | GOSCHEN POINT | 336 | 02 | 04 | 05 | 29 | 0 | 0 | 100 | 90 |
| 05 | 052 | ABSAMOL ISLAND | 337 | 02 | 04 | 07 | 29 | 5 | 0 | 100 | 97 |
| 04 | 042 | OTTER ANCHORAGE | 338 | 02 | 03 | 20 | 29 | 4 | 0 | 100 | 94 |
| 05 | 052 | GOSCHEN POINT | 339 | 02 | 04 | 01 | 29 | 5 | 0 | 100 | 95 |
| 05 | 052 | WILLIS BAY | 340 | 02 | 04 | 03 | 29 | 5 | 0 | 100 | 97 |
| 04 | 042 | HODGSON REEF | 341 | 02 | 03 | 23 | 29 | 5 | 0 | 100 | 93 |
| 05 | 052 | GURD ISLAND | 342 | 02 | 04 | 07 | 29 | 5 | 0 | 100 | 98 |
| 04 | 042 | TUGWELL ISLAND | 345 | 02 | 03 | 22 | 29 | 5 | 0 | 100 | 95 |
| 04 | 042 | TREE BLUFF | 346 | 02 | 03 | 21 | 29 | 5 | 0 | 100 | 93 |
| 05 | 052 | GOSCHEN POINT | 347 | 02 | 03 | 31 | 29 | 5 | 0 | 100 | 91 |
| 04 | 042 | HOGAN LEDGE | 348 | 02 | 03 | 13 | 29 | 5 | 0 | 100 | 95 |
| 04 | 043 | HUNT INLET | 349 | 02 | 04 | 08 | 29 | 5 | 0 | 100 | 92 |
| 03 | 033 | BIRNIE ISLAND | 350 | 02 | 03 | 18 | 1 | 5 | 0 | 100 | 98 |
| 04 | 042 | HODGSON REEF | 351 | 02 | 03 | 16 | 29 | 5 | 0 | 100 | 96 |
| 04 | 042 | TUGWELL ISLAND | 352 | 02 | 03 | 18 | 29 | 5 | 0 | 100 | 95 |
| 04 | 042 | TUGWELL ISLAND | 353 | 02 | 03 | 19 | 29 | 5 | 0 | 100 | 94 |
| 05 | 052 | GOSCHEN POINT | 354 | 02 | 03 | 28 | 29 | 5 | 0 | 100 | 71 |
| 04 | 042 | TUGWELL ISLAND | 355 | 02 | 03 | 20 | 29 | 5 | 0 | 100 | 96 |
| 00 | 006 | LOUSCOONE INLET | 356 | 02 | 03 | 02 | 29 | 4 | 0 | 100 | 96 |
| 05 | 053 | WILSON INLET | 357 | 02 | 04 | 17 | 19 | 5 | 0 | 100 | 88 |
| 17 | 172 | LANTZVILLE | 358 | 02 | 01 | 07 | 29 | 6 | 0 | 100 | 92 |

Note: There were no sample 343 nor 344

Table 4. Test fishing vessels chartered during the 2002 season, areas and dates of operation, seine sets completed, and samples processed.

| REGION | VESSEL | STAT AREAS | DURATION | # SAMPLES PROCESSED |
|-----------------------------|--|---|---|--|
| QUEEN CHARLOTTE ISLANDS | Queens Reach Viking Pride Haida Storm | 2E 2E, 2W 2E, 2W | Feb 27 - Mar 28 Mar 11 - Apr 05 Mar 15 - Apr 25 | 14 17* -- |
| QCI TOTAL | | | | 31 |
| PRINCE RUPERT DISTRICT | Ocean Venture Ocean Horizon Royal Pride* Ocean Marauder^ | 3, 4, 5 5 3, 4, 5 4, 5 | Mar 11 - Apr 08 Mar 17 - Apr 08 Mar 06 - Apr 25 Mar 26 - Apr 02 | 21 12 2 12 |
| PRD TOTAL | | | | 47 |
| CENTRAL COAST | Ocean Royal Christav Kynoc Ocean Explorer* Lasqueti Star** Ocean Marauder^ | 6, 7, 8 6, 7 7, 8, 9, 10 6, 7, 8 7 6, 7, 8 | Mar 10 - Mar 29 Mar 09 - Apr 18 Mar 02 - Mar 31 Mar 15 - Apr 16 Mar 09 - Apr 05 Mar 20 - Mar 25 | 11 12 26 -- -- 8 |
| CC TOTAL | | | | 57 |
| STRAIT OF GEORGIA | Western Ranger Royal Mariner Ocean Royal Bernice C Endurance* Silver Viking* Snowdrift** Free to Wander**G Port Lincoln*** Discovery Huntress*** Ocean Marauder^ | 14, 15, 17, 19 14 9, 10, 14, 17, 19 14 13, 14, 17, 18, 19 13, 14, 17, 18, 19 14 14 12 13 14 | Feb 22 - Mar 19 Feb 24 - Mar 22 Feb 24 - Mar 09 Feb 26 - Mar 07 Mar 02 - Apr 05 Mar 02 - Apr 04 Feb 25 - Mar 18 Feb 28 - Mar 22 Mar 01 - Mar 31 Mar 03 - Mar 10 Mar 05 - Mar 19 | 14 18 11 9 -- -- -- -- -- -- 9 |
| SG TOTAL | | | | 61 |
| WEST COAST VANCOUVER ISLAND | Pacific Quest Royal Viking Viking Joy Ocean Horizon Marila*** | 23 24, 25 25 27 23 | Feb 22 - Mar 23 Feb 26 - Apr 07 Feb 26 - Apr 06 Feb 28 - Mar 13 Mar 04 - Mar 29 | 22 14 20 5 -- |
| WCVI TOTAL | | | | 61 |
| TOTAL | | | | 257 |

* - Gillnet test and spawn assessment - no samples collected.

** - Management platform (s - seine, g - gillnet) - no samples collected.

*** - Charter patrol and spawn survey - no samples collected.

^ - Tagging platform.

Table 5. Estimated age composition for 2002 charter, seine and gillnet roe fishery samples.

| SECTION | SOURCE | GEAR | PERCENT AT AGE | | | | | | | | | | NUMBER AGED |
|----------------------------|--------|------|----------------|----|----|----|----|----|----|----|----|----|----------------|
| | | | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | |
| 002 PORT LOUIS | 5 | 29 | 0 | 39 | 15 | 7 | 21 | 10 | 4 | 2 | 2 | 0 | 378 |
| 003 RENNELL SOUND | 5 | 29 | 0 | 39 | 28 | 2 | 14 | 8 | 5 | 2 | 1 | 0 | 484 |
| 004 CARTWRIGHT SOUND | 5 | 29 | 0 | 93 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 95 |
| 005 ENGLEFIELD BAY | 5 | 29 | 0 | 9 | 29 | 5 | 31 | 8 | 11 | 3 | 2 | 1 | 287 |
| 021 JUAN PEREZ SOUND | 0 | 29 | 0 | 15 | 21 | 26 | 15 | 4 | 16 | 2 | 1 | 0 | 875 |
| 021 JUAN PEREZ SOUND | 5 | 29 | 0 | 27 | 25 | 23 | 11 | 2 | 11 | 1 | 0 | 0 | 1228 |
| 025 SKINCUTTLE INLET | 5 | 29 | 0 | 53 | 20 | 13 | 5 | 2 | 6 | 1 | 0 | 0 | 468 |
| 042 AREA 4 NORTH | 0 | 19 | 0 | 0 | 0 | 7 | 20 | 12 | 27 | 16 | 15 | 2 | 879 |
| 042 AREA 4 NORTH | 5 | 29 | 0 | 1 | 20 | 47 | 16 | 4 | 6 | 3 | 2 | 0 | 1619 |
| 043 AREA 4 SOUTH | 5 | 29 | 0 | 4 | 15 | 40 | 20 | 2 | 11 | 3 | 4 | 0 | 92 |
| 052 KITKATLA INLET | 0 | 29 | 0 | 8 | 19 | 29 | 23 | 5 | 10 | 4 | 2 | 0 | 1129 |
| 052 KITKATLA INLET | 5 | 29 | 0 | 7 | 20 | 33 | 19 | 4 | 12 | 4 | 2 | 0 | 2365 |
| 053 PRINCIPLE CHANNEL | 5 | 29 | 0 | 6 | 52 | 29 | 7 | 0 | 4 | 1 | 0 | 0 | 94 |
| 067 KITASU BAY | 5 | 29 | 0 | 2 | 28 | 10 | 22 | 6 | 22 | 8 | 1 | 0 | 944 |
| 072 POWELL ANCHORAGE | 0 | 29 | 0 | 4 | 24 | 8 | 17 | 8 | 26 | 10 | 2 | 1 | 792 |
| 072 POWELL ANCHORAGE | 5 | 29 | 0 | 7 | 42 | 10 | 12 | 5 | 15 | 7 | 2 | 0 | 1336 |
| 074 THOMPSON BAY | 5 | 29 | 0 | 10 | 48 | 9 | 12 | 5 | 10 | 5 | 1 | 0 | 1134 |
| 077 MILBANKE SOUND | 0 | 19 | 0 | 0 | 1 | 6 | 21 | 8 | 47 | 16 | 1 | 0 | 504 |
| 077 MILBANKE SOUND | 0 | 29 | 0 | 1 | 18 | 9 | 25 | 6 | 29 | 10 | 2 | 0 | 191 |
| 077 MILBANKE SOUND | 5 | 29 | 0 | 1 | 18 | 10 | 23 | 5 | 30 | 12 | 1 | 0 | 758 |
| 078 DON PENINSULA | 0 | 29 | 0 | 1 | 27 | 13 | 23 | 3 | 22 | 10 | 1 | 1 | 176 |
| 078 DON PENINSULA | 5 | 29 | 0 | 19 | 44 | 9 | 9 | 4 | 10 | 4 | 1 | 0 | 466 |
| 085 KWAKSHUA CHANNEL | 5 | 29 | 0 | 4 | 44 | 9 | 20 | 6 | 8 | 7 | 0 | 0 | 562 |
| 092 RIVERS INLET MOUTH | 5 | 29 | 0 | 3 | 47 | 6 | 20 | 7 | 7 | 9 | 1 | 0 | 192 |
| 093 RIVERS INLET HEAD | 5 | 29 | 0 | 9 | 68 | 4 | 3 | 6 | 4 | 4 | 1 | 0 | 90 |
| 103 SMITH INLET | 5 | 29 | 0 | 3 | 28 | 6 | 11 | 19 | 14 | 14 | 4 | 1 | 185 |
| 141 OTHER AREA 14 | 0 | 19 | 0 | 0 | 0 | 25 | 26 | 13 | 30 | 6 | 0 | 0 | 84 |
| 142 BAYNES SOUND | 0 | 19 | 0 | 0 | 6 | 21 | 30 | 18 | 21 | 3 | 0 | 0 | 419 |
| 142 BAYNES SOUND | 0 | 29 | 0 | 1 | 38 | 34 | 20 | 4 | 3 | 1 | 0 | 0 | 909 |
| 142 BAYNES SOUND | 5 | 29 | 0 | 8 | 52 | 26 | 11 | 2 | 2 | 0 | 0 | 0 | 3384 |
| 143 QUALICUM | 0 | 19 | 0 | 0 | 7 | 29 | 40 | 10 | 10 | 3 | 0 | 0 | 167 |
| 143 QUALICUM | 5 | 29 | 0 | 7 | 52 | 23 | 11 | 3 | 3 | 0 | 0 | 0 | 1222 |
| 152 POWELL RIVER | 5 | 29 | 61 | 28 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88 |
| 172 NANOOSE BAY | 0 | 19 | 0 | 0 | 3 | 20 | 28 | 19 | 19 | 9 | 1 | 0 | 245 |
| 173 YELLOW POINT | 5 | 29 | 0 | 12 | 55 | 21 | 8 | 1 | 2 | 0 | 0 | 0 | 549 |
| 191 SAANICH INLET | 5 | 29 | 0 | 10 | 58 | 26 | 4 | 2 | 1 | 0 | 0 | 0 | 175 |
| 232 MACOAH PASS | 5 | 29 | 0 | 8 | 57 | 24 | 5 | 3 | 2 | 1 | 0 | 0 | 1926 |
| 233 IMPERIAL EAGLE CHANNEL | 5 | 29 | 0 | 19 | 61 | 16 | 2 | 1 | 1 | 0 | 0 | 0 | 90 |
| 243 SYDNEY INLET | 5 | 29 | 0 | 17 | 47 | 22 | 5 | 2 | 2 | 5 | 0 | 0 | 156 |
| 245 VARGAS ISLAND | 5 | 29 | 63 | 31 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62 |
| 251 OTHER AREA 25 | 5 | 29 | 35 | 4 | 25 | 18 | 9 | 2 | 4 | 2 | 1 | 0 | 147 |
| 252 NOOTKA SOUND | 5 | 29 | 0 | 7 | 58 | 21 | 9 | 2 | 3 | 1 | 0 | 0 | 190 |
| 253 ESPERANZA INLET | 0 | 19 | 0 | 0 | 0 | 10 | 29 | 15 | 21 | 22 | 2 | 0 | 535 |
| 253 ESPERANZA INLET | 5 | 29 | 0 | 4 | 52 | 23 | 10 | 3 | 4 | 4 | 0 | 0 | 2199 |
| 272 BROOKS BAY | 5 | 29 | 0 | 11 | 60 | 18 | 10 | 1 | 0 | 1 | 0 | 0 | 190 |
| 273 FORWARD INLET | 5 | 29 | 0 | 5 | 65 | 14 | 10 | 1 | 4 | 1 | 0 | 0 | 277 |

Table 6. Summary of 2002 roe herring fisheries and landings (Tons).

| AREA | LICENCES | QUOTA | CATCH | % TOTAL CATCH | FISHERY | DURATION (Hours) |
|---------------|----------|--------|--------|---------------|---|-------------------|
| WCVI - GN | 63 | 500 | 428 | 1.6% | Open 0900 Mar 26 to 1600 Mar 28 in 25-13 | 55.0 |
| GULF - SN | 144 | 9,442 | 9,685 | 35.8% | Open 0830 to 2130 Mar 7 in 14 - 11 and Ptn 14 -14 & 14 -15 Open 0837 to 1900 Mar 8 in 14 - 11 and Ptn 14 -14 & 14 -15 | 31.4 |
| GULF - GN | 922 | 8,375 | 8,640 | 31.9% | Open 1300 Mar 17 to 1600 Mar 20 in 14 - 1 to 14 -13 and 14-15, 17-12, 17-18, 17-21 | 75.0 |
| C. COAST - SN | 55 | 2,633 | 2,636 | 9.7% | Open 0600 to 1930 Mar 27 in 7-13 and Ptn 7-12, 7-14 & 7-15 Open 0530 to 2105 Mar 28 in 7-13 and Ptn 7-3, 7-12, 7-14 & 7-15 | 35.7 |
| | | | | | Open 0530 to 1205 Mar 29 in 7-13 and Ptn 7-3, 7-12, 7-14 & 7-15 | |
| C. COAST - GN | 48 | 450 | 439 | 1.6% | Open 1000 Apr 2 to 1100 Apr 4 in 6 -7-7 & Ptn 6-16 and 7-3 Open 1430 Apr 4 to 0630 Apr 5 in Ptn 7-9 | 65.0 |
| N. COAST - SN | 33 | 2,000 | 2,059 | 7.6% | Open 1145 to 2100 Apr 3 in 5-10 & 5-11 Open 0530 to 1400 Apr 4 in 5-10 & 5-11 | 37.8 |
| | | | | | Open 0914 to 2000 Apr 5 in 5-10 & 5-11 and Ptn 5-4 Open 0615 to 1530 Apr 6 in 5-10 & 5-11 and Ptn 5-4 | |
| N. COAST - GN | 213 | 2,600 | 2,681 | 9.9% | Open 1400 Mar 25 to 1700 Mar 29 in 4-5 to 4-9 and Ptn 4-10 | 99.0 |
| QCI - SN | 8 | 500 | 502 | 1.9% | Open 0630 to 1420 Mar 22 in 2-12 & 2-13 | 7.8 |
| TOTAL - SN | 240 | 14,575 | 14,882 | 55.0% | | Seine Total 113 |
| TOTAL - GN | 1,246 | 11,925 | 12,188 | 45.0% | | Gillnet Total 294 |
| TOTAL | 26,500 | 27,070 | 100.0% | | Total 406.7 | |

*Note: CATCH % REPRESENTS PERCENTAGE OF TOTAL COASTWIDE CATCH
CATCHES ARE VALIDATED LANDINGS IN TONS

Table 7. Biological samples collected in the 2001/02 season by statistical area and source.

| Area | Test Fishery | Roe fishery | | Research | | SOK | Hake J/V | Food | Area Total |
|----------------------|--------------|-------------|-----------|-----------|----------|-----------|-------------|-----------|---------------|
| | | Seine | Gillnet | Offshore | Inshore | | | | |
| 2W | 13 | | | | | 02* | | | 13 |
| 2E | 18 | 10 | | | | 06 | | | 34 |
| 3 | 01 | | | | | | | | 01 |
| 4 | 18 | | 10 | | | 01 | | | 29 |
| 5 | 28 | 12 | | | | 02 | | | 42 |
| 6 | 10 | | | | | | | | 10 |
| 7 | 39 | 13 | 06 | | | 02 | | | 60 |
| 8 | 06 | | | | | | | | 06 |
| 9 | 03 | | | | | | | | 03 |
| 10 | 02 | | | | | | | | 02 |
| 14 | 49 | 10 | 08 | | | | 04 | | 71 |
| 15 | 01 | | | | | | | | 01 |
| 16 | | | | | | | 01 | | 01 |
| 17 | 06 | | 03 | | | | 15 | | 24 |
| 19 | 02 | | | | | | | | 02 |
| 21 | | | | 02 | | | 01 | | 03 |
| 23 | 22 | | | 12 | | | 08 | | 42 |
| 24 | 06 | | | | | | | | 06 |
| 25 | 28 | | 07 | | | | | | 35 |
| 27 | 05 | | | | | | | | 05 |
| Fishery Total | 257 | 45 | 34 | 14 | 0 | 11 | 9 | 20 | 390 |

*SOK samples in 2W are from Louscoone, included in the major assessment region (QCI).

Table 8. Trawl research sample summaries by section.

| SPECIMENS AT EACH AGE: | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|------|------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ |
| NO. AT AGE | 0 | 58 | 42 | 32 | 4 | 2 | 3 | 0 | 0 |
| % AT AGE | 0.00 | 41.13 | 29.79 | 22.70 | 2.84 | 1.42 | 2.13 | 0.00 | 0.00 |
| LENGTH - MEAN (mm) | 0.00 | 140.60 | 169.60 | 188.31 | 194.50 | 203.50 | 222.33 | 0.00 | 0.00 |
| - STD. DEV. | 0.00 | 8.09 | 15.09 | 11.33 | 11.09 | 2.12 | 8.74 | 0.00 | 0.00 |
| WEIGHT - MEAN (gm) | 0.00 | 35.05 | 73.00 | 105.59 | 125.00 | 139.50 | 197.33 | 0.00 | 0.00 |
| - STD. DEV. | 0.00 | 6.26 | 21.95 | 23.77 | 20.41 | 13.44 | 11.02 | 0.00 | 0.00 |

| HJORT MATURITY STAGES : | | | | | | | | | |
|-------------------------|-------|-------|------|------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 31 | 166 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 15.50 | 83.00 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE) : | | | | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|--------|--------|----------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 14 | 0 | 0 | 14 | NO. | 30 | 14 | 156 | 200 |
| % | 100.00 | 0.00 | 0.00 | 100.00 | % | 15.00 | 7.00 | 78.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 | MEAN WEIGHT | 126.37 | 91.14 | 61.44 | 73.25 |
| % SAMP. WT. | | | | | % SAMP. WT. | 25.88 | 8.71 | 65.42 | 100.00 |

Table 8 (cont'd)

| | | | | | |
|------------------------|--|--------|--------|---------|--------|
| SECTION: | 239 - OFFSHORE AREA 23 | | | | |
| SAMPLE NUMBERS: | 8, 19, 7, 17, 5, 4, 15, 2, 22, 14, 1, 21, | | | | |
| SOURCE: | RESEARCH - OFFSHORE | | | | |
| GEAR: | HERRING TRAWL | | | | |
| DATE: | JUL 1/2001 - AUG 3/2001 | | | | |
| SPECIMENS AT EACH AGE: | | | | | |
| | 0+ | 1+ | 2+ | 3+ | 4+ |
| NO. AT AGE | 0 | 129 | 659 | 177 | 54 |
| % AT AGE | 0.00 | 12.39 | 63.30 | 17.00 | 5.19 |
| LENGTH - MEAN (mm) | 0.00 | 145.91 | 169.88 | 180.66 | 191.74 |
| - STD. DEV. | 0.00 | 9.08 | 11.13 | 11.76 | 16.12 |
| WEIGHT - MEAN (gm) | 0.00 | 40.54 | 70.44 | 85.09 | 103.17 |
| - STD. DEV. | 0.00 | 7.59 | 14.41 | 18.26 | 20.13 |
| AGE | | | | | |
| | 5+ | 6+ | 7+ | 8+ | 9+ |
| NO. AT AGE | | | | | |
| % AT AGE | | | | | |
| MAURITIY STAGES: | | | | | |
| | 1 | 2 | 3 | 4 | 5 |
| NO. AT STAGE | 281 | 867 | 49 | 0 | 0 |
| % AT STAGE | 23.44 | 72.31 | 4.09 | 0.00 | 0.00 |
| MATURITY STAGE | | | | | |
| | 6 | 7 | 8 | UNKNOWN | |
| NO. AT STAGE | | | | | |
| % AT STAGE | | | | | |

| SEX RATIO: | | | | | |
|------------------------|----------|--------|----------------------------|--------|--|
| ROE MATURITY (FEMALE): | | | MALE FEMALE IMMATURE TOTAL | | |
| | IMMATURE | MATURE | SPENT | TOTAL | |
| NO. | 155 | 0 | 1 | 156 | |
| % | 99.36 | 0.00 | 0.64 | 100.00 | |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 | |
| MEAN WEIGHT | | | | | |
| % SAMP. WT. | | | | | |

Table 9. Food and bait fishery sample summaries by section.

| SPECIMENS AT EACH AGE: | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|------|------|------|
| AGE | | | | | | | | | |
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ |
| NO. AT AGE | 0 | 3 | 57 | 18 | 6 | 3 | 0 | 0 | 0 |
| % AT AGE | 0.00 | 3.45 | 65.52 | 20.69 | 6.90 | 3.45 | 0.00 | 0.00 | 0.00 |
| LENGTH - MEAN (mm) | 0.00 | 162.67 | 177.49 | 185.06 | 193.17 | 198.00 | 0.00 | 0.00 | 0.00 |
| - STD. DEV. | 0.00 | 24.42 | 14.57 | 11.17 | 6.94 | 2.00 | 0.00 | 0.00 | 0.00 |
| WEIGHT - MEAN (gm) | 0.00 | 61.67 | 79.79 | 90.39 | 106.50 | 122.67 | 0.00 | 0.00 | 0.00 |
| - STD. DEV. | 0.00 | 28.54 | 20.58 | 18.97 | 14.34 | 21.59 | 0.00 | 0.00 | 0.00 |

| HJORT MATURITY STAGES: | | | | | | | | | |
|------------------------|------|------|------|-------|-------|------|------|------|---------|
| MATURITY STAGE | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 3 | 5 | 81 | 10 | 0 | 0 | 0 | 0 |
| % AT STAGE | 1.00 | 3.00 | 5.00 | 81.00 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): | | | | | | | | | |
|------------------------|----------|--------|-------|--------|-------------|--------|----------|--------|--------|
| SEX RATIO: | | | | | | | | | |
| | IMMATURE | MATURE | SPENT | TOTAL | MALE | FEMALE | IMMATURE | TOTAL | |
| NO. | 48 | 6 | 0 | 54 | 44 | 54 | 2 | 100 | |
| % | 88.89 | 11.11 | 0.00 | 100.00 | 44.00 | 54.00 | 2.00 | 100.00 | |
| % SAMPLE WEIGHT | 15.89 | 2.16 | 0.00 | 18.05 | MEAN WEIGHT | 80.91 | 90.80 | 40.00 | |
| | | | | | % SAMP. WT. | 41.67 | 57.39 | 0.94 | 100.00 |

Table 9 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|------|------|--------|------|
| AGE | | | | | | | | | |
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ |
| NO. AT AGE | 0 | 23 | 189 | 56 | 12 | 0 | 0 | 1 | 0 |
| % AT AGE | 0.00 | 8.19 | 67.26 | 19.93 | 4.27 | 0.00 | 0.00 | 0.36 | 0.00 |
| LENGTH - MEAN (mm) | 0.00 | 157.22 | 179.63 | 186.48 | 202.58 | 0.00 | 0.00 | 220.00 | 0.00 |
| - STD. DEV. | 0.00 | 11.23 | 10.47 | 9.85 | 9.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| WEIGHT - MEAN (gm) | 0.00 | 50.00 | 75.68 | 87.13 | 116.33 | 0.00 | 0.00 | 139.00 | 0.00 |
| - STD. DEV. | 0.00 | 10.56 | 14.32 | 14.90 | 16.44 | 0.00 | 0.00 | 0.00 | 0.00 |

| HJORT MATURITY STAGES: | | | | | | | | | |
|------------------------|------|------|------|-------|-------|------|------|------|---------|
| MATURITY STAGE | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 1 | 9 | 248 | 41 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.33 | 0.33 | 3.00 | 82.67 | 13.67 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE) : | | | | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|-------|--------|----------|--------|
| SEX RATIO: | | | | | | | | | |
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 133 | 10 | 0 | 143 | NO. | 155 | 143 | 2 | 300 |
| % | 93.01 | 6.99 | 0.00 | 100.00 | % | 51.67 | 47.67 | 0.67 | 100.00 |
| % SAMPLE WEIGHT | 14.10 | 1.90 | 0.00 | 16.01 | MEAN WEIGHT | 74.95 | 81.91 | 37.00 | 78.02 |
| % SAMP. WT. | | | | | % SAMP. WT. | 49.64 | 50.04 | 0.32 | 100.00 |

Table 9 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | | UNKNOWN | TOTAL | |
|------------------------|--------|--------|--------|--------|------|------|--------|------|------|---------|---------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 1 | 46 | 31 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 100 |
| % AT AGE | 1.20 | 55.42 | 37.35 | 4.82 | 0.00 | 0.00 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 100.00 | 136.83 | 140.81 | 150.25 | 0.00 | 0.00 | 183.00 | 0.00 | 0.00 | 0.00 | 138.94 | 139.05 |
| - STD. DEV. | 0.00 | 7.80 | 13.34 | 16.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.40 | 12.14 |
| WEIGHT - MEAN (gm) | 12.00 | 38.24 | 42.06 | 52.25 | 0.00 | 0.00 | 93.00 | 0.00 | 0.00 | 0.00 | 39.12 | 40.42 |
| - STD. DEV. | 0.00 | 7.91 | 13.00 | 18.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.12 | 12.06 |

| HJORT MATURITY STAGES: | | | | | | | | | |
|------------------------|------|-------|-------|------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 7 | 52 | 20 | 1 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 7.00 | 52.00 | 20.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): | | | | | | | | | |
|------------------------|----------|--------|-------|--------|-------------|-------|--------|----------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 19 | 1 | 0 | 20 | NO. | 18 | 20 | 62 | 100 |
| % | 95.00 | 5.00 | 0.00 | 100.00 | % | 18.00 | 20.00 | 62.00 | 100.00 |
| % SAMPLE WEIGHT | 9.24 | 0.87 | 0.00 | 10.11 | MEAN WEIGHT | 44.67 | 46.00 | 37.39 | 40.42 |
| % SAMP. WT. | | | | | | | | | |

Table 9 (cont'd)

| | | | | |
|------------------------|--------------------------|--------|--------|--------|
| SECTION: | 172 - NANOOSE BAY | | | |
| SAMPLE NUMBERS: | 196, 27, 28, 358, 35, | | | |
| SOURCE: | FOOD FISHERY | | | |
| GEAR: | HERRING SEINE | | | |
| DATE: | NOV 6/2001 - JAN 13/2002 | | | |
| SPECIMENS AT EACH AGE: | | | | |
| | 0+ | 1+ | 2+ | 3+ |
| NO. AT AGE | 0 | 24 | 284 | 106 |
| % AT AGE | 0.00 | 5.31 | 62.83 | 23.45 |
| LENGTH - MEAN (mm) | 0.00 | 162.54 | 179.99 | 186.76 |
| - STD. DEV. | 0.00 | 9.16 | 9.78 | 11.29 |
| WEIGHT - MEAN (gm) | 0.00 | 60.71 | 82.44 | 93.89 |
| - STD. DEV. | 0.00 | 11.56 | 13.46 | 17.39 |
| AGE | | | | |
| | 4+ | 5+ | 6+ | 7+ |
| NO. AT AGE | | | | |
| % AT AGE | | | | |
| LENGTH - MEAN (mm) | | | | |
| - STD. DEV. | | | | |
| WEIGHT - MEAN (gm) | | | | |
| - STD. DEV. | | | | |

| | | | | | | | | | |
|------------------------|------|------|-------|-------|------|------|------|------|---------|
| HJORT MATURITY STAGES: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 3 | 15 | 190 | 279 | 13 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.60 | 3.00 | 38.00 | 55.80 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | |
|-------------------------|----------|--------|-------|--------|----------------|------------|-------|--------|----------|--------|
| ROE MATURITY (FEMALE) : | IMMATURE | MATURE | SPENT | TOTAL | MATURITY STAGE | SEX RATIO: | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 191 | 3 | 0 | 194 | NO. | | 294 | 194 | 12 | 500 |
| % | 98.45 | 1.55 | 0.00 | 100.00 | % | | 58.80 | 38.80 | 2.40 | 100.00 |
| % SAMPLE WEIGHT | 6.00 | 0.26 | 0.00 | 6.26 | MEAN WEIGHT | | 83.55 | 90.05 | 59.25 | 85.49 |
| % SAMP. WT. | | | | | % SAMP. WT. | | 57.47 | 40.87 | 1.66 | 100.00 |

Table 9 (cont'd)

| | | | | | | | | | |
|-----------------------------|--|--------|--------|--------|-------------|--------|--------|--------|---------|
| SECTION: 173 - YELLOW POINT | | | | | | | | | |
| SAMPLE NUMBERS: | 3, 29, 34, 33, 26, 31, 25, 30, 24, 36, | | | | | | | | |
| SOURCE: | FOOD FISHERY | | | | | | | | |
| GEAR: | HERRING SEINE | | | | | | | | |
| DATE: | NOV 6/2001 - DEC 18/2001 | | | | | | | | |
| SPECIMENS AT EACH AGE: | | | | | | | | | |
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ |
| NO. AT AGE | 0 | 35 | 387 | 186 | 44 | 7 | 3 | 1 | 0 |
| % AT AGE | 0.00 | 5.27 | 58.28 | 28.01 | 6.63 | 1.05 | 0.45 | 0.15 | 0.00 |
| LENGTH - MEAN (mm) | 0.00 | 153.69 | 175.80 | 185.42 | 187.84 | 188.14 | 183.33 | 215.00 | 0.00 |
| - STD. DEV. | 0.00 | 13.96 | 15.14 | 12.36 | 14.42 | 18.71 | 22.68 | 0.00 | 0.00 |
| WEIGHT - MEAN (gm) | 0.00 | 54.37 | 83.97 | 97.59 | 103.18 | 106.43 | 109.00 | 145.00 | 0.00 |
| - STD. DEV. | 0.00 | 16.47 | 21.06 | 18.81 | 21.66 | 37.66 | 35.59 | 0.00 | 0.00 |
| HJORT MATURITY STAGES: | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 23 | 34 | 206 | 717 | 20 | 0 | 0 | 0 | 0 |
| % AT STAGE | 2.30 | 3.40 | 20.60 | 71.70 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ROE MATURITY (FEMALE) : | | | | | | | | | |
| | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | | | | |
| NO. | 391 | 1 | 0 | 392 | NO. | | | | |
| % | 99.74 | 0.26 | 0.00 | 100.00 | % | | | | |
| % SAMPLE WEIGHT | 7.76 | 0.05 | 0.00 | 7.81 | MEAN WEIGHT | | | | |
| | | | | | % SAMP. WT. | | | | |
| | | | | | | 81.94 | 85.17 | 32.28 | 80.92 |
| | | | | | | | | | |
| | | | | | | 56.91 | 41.26 | 1.84 | 100.00 |

Table 10. Seine roe fishery sample summaries by section.

| SECTON: 21 - JUAN PEREZ SOUND | | | | | | | | | |
|---|--------|--------|--------|--------|-------------|--------|--------|---------|--------|
| SAMPLE NUMBERS: 297, 291, 277, 283, 311, 274, 285, 281, 276, 282, | | | | | | | | | |
| SOURCE: ROE FISHERY | | | | | | | | | |
| GEAR: HERRING SEINE | | | | | | | | | |
| DATE: MAR 21/2002 | | | | | | | | | |
| SPECIMENS AT EACH AGE: | | | | | | | | | |
| AGE | | | | | | | | | |
| 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ |
| NO. AT AGE | 0 | 130 | 182 | 230 | 132 | 37 | 141 | 6 | 1 |
| % AT AGE | 0.00 | 14.86 | 20.80 | 26.29 | 15.09 | 4.23 | 16.11 | 0.69 | 0.11 |
| LENGTH - MEAN (mm) | 0.00 | 159.18 | 175.95 | 190.38 | 199.68 | 206.03 | 210.30 | 215.00 | 223.67 |
| - STD. DEV. | 0.00 | 6.75 | 10.00 | 9.87 | 8.23 | 9.16 | 8.26 | 7.36 | 8.82 |
| WEIGHT - MEAN (gm) | 0.00 | 53.69 | 77.27 | 100.35 | 117.23 | 127.65 | 136.11 | 149.75 | 170.00 |
| - STD. DEV. | 0.00 | 8.10 | 14.15 | 17.27 | 17.27 | 22.98 | 18.60 | 17.12 | 21.79 |
| HJORT MATURITY STAGES: | | | | | | | | | |
| MATURITY STAGE | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | |
| NO. AT STAGE | 0 | 0 | 1 | 16 | 677 | 274 | 13 | 1 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.10 | 1.63 | 68.94 | 27.90 | 1.32 | 0.10 | 0.00 |
| ROE MATURITY (FEMALE) : | | | | | | | | | |
| SEX RATIO: | | | | | | | | | |
| IMMATURE | MATURE | SPENT | TOTAL | | | | | | |
| NO. | 8 | 455 | 3 | 466 | NO. | | | | |
| % | 1.72 | 97.64 | 0.64 | 100.00 | % | | | | |
| % SAMPLE WEIGHT | 0.23 | 27.82 | 0.00 | 28.05 | MEAN WEIGHT | | | | |
| | | | | | % SAMP. WT. | | | | |
| | | | | | | 515 | 466 | 1 | 982 |
| | | | | | | 52.44 | 47.45 | 0.10 | 100.00 |
| | | | | | | 92.03 | 105.60 | 96.00 | 98.47 |
| | | | | | | 49.01 | 50.89 | 0.10 | 100.00 |

Table 10 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | |
|------------------------|----------|--------|--------|--------|-------------|--------|--------|--------|---------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ |
| NO. AT AGE | 0 | 93 | 219 | 327 | 258 | 52 | 111 | 46 | 19 |
| % AT AGE | 0.00 | 8.24 | 19.40 | 28.96 | 22.85 | 4.61 | 9.83 | 4.07 | 1.68 |
| LENGTH - MEAN (mm) | | | | | | | | | |
| - STD. DEV. | 0.00 | 150.71 | 170.74 | 184.34 | 195.56 | 199.21 | 207.45 | 207.91 | 216.21 |
| WEIGHT - MEAN (gm) | 0.00 | 45.78 | 67.33 | 88.74 | 107.99 | 114.25 | 130.26 | 127.85 | 144.47 |
| - STD. DEV. | 0.00 | 8.09 | 12.86 | 17.79 | 22.64 | 17.59 | 26.02 | 21.75 | 20.58 |
| HJORT MATURITY STAGES: | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 1 | 0 | 26 | 807 | 326 | 40 | 0 | 0 |
| % AT STAGE | 0.00 | 0.08 | 0.00 | 2.17 | 67.25 | 27.17 | 3.33 | 0.00 | 0.00 |
| ROE MATURITY (FEMALE): | | | | | | | | | |
| | IMMATURE | MATURE | SPENT | TOTAL | | | | | |
| NO. | 14 | 556 | 14 | 584 | NO. | | | | |
| % | 2.40 | 95.21 | 2.40 | 100.00 | % | | | | |
| % SAMPLE WEIGHT | 0.33 | 27.62 | 0.00 | 27.95 | MEAN WEIGHT | 85.94 | 101.00 | 57.00 | 93.24 |
| | | | | | % SAMP. WT. | 47.24 | 52.71 | 0.05 | 100.00 |

Table 10 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 30 | 189 | 67 | 135 | 66 | 205 | 81 | 14 | 5 | 108 | 900 |
| % AT AGE | 0.00 | 3.79 | 23.86 | 8.46 | 17.05 | 8.33 | 25.88 | 10.23 | 1.77 | 0.63 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 161.90 | 170.34 | 183.66 | 197.93 | 199.38 | 208.60 | 210.60 | 213.71 | 228.20 | 178.22 | 191.60 |
| - STD. DEV. | 0.00 | 13.57 | 11.06 | 12.93 | 9.65 | 10.66 | 10.02 | 9.71 | 6.65 | 4.44 | 20.27 | 20.53 |
| WEIGHT - MEAN (gm) | 0.00 | 61.10 | 68.54 | 88.55 | 116.64 | 119.80 | 141.64 | 147.75 | 149.21 | 184.20 | 84.76 | 108.38 |
| - STD. DEV. | 0.00 | 23.15 | 15.59 | 21.95 | 20.61 | 23.66 | 27.08 | 27.81 | 24.12 | 15.80 | 35.48 | 39.70 |

| HJORT MATURITY STAGES: | | | | | | | | | |
|------------------------|------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 2 | 1 | 14 | 680 | 196 | 6 | 0 | 0 |
| % AT STAGE | 0.11 | 0.22 | 0.11 | 1.56 | 75.56 | 21.78 | 0.67 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE) : | | | | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|--------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | | | | |
| NO. | 8 | 478 | 5 | 491 | NO. | | | | |
| % | 1.63 | 97.35 | 1.02 | 100.00 | % | 407 | 491 | 2 | 900 |
| % SAMPLE WEIGHT | 0.15 | 28.86 | 0.00 | 29.01 | | 45.22 | 54.56 | 0.22 | 100.00 |
| | | | | | MEAN WEIGHT | 100.91 | 114.84 | 42.50 | 108.38 |
| | | | | | % SAMP. WT. | 42.11 | 57.81 | 0.09 | 100.00 |

Table 10 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 2 | 35 | 17 | 47 | 12 | 56 | 19 | 3 | 0 | 9 | 200 |
| % AT AGE | 0.00 | 1.05 | 18.32 | 8.90 | 24.61 | 6.28 | 29.32 | 9.95 | 1.57 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 153.50 | 172.40 | 191.41 | 195.28 | 199.17 | 202.87 | 203.89 | 205.00 | 0.00 | 188.89 | 193.57 |
| - STD. DEV. | 0.00 | 0.71 | 8.00 | 7.71 | 9.62 | 7.83 | 10.23 | 15.71 | 6.00 | 0.00 | 19.97 | 15.61 |
| WEIGHT - MEAN (gm) | 0.00 | 49.00 | 70.80 | 99.00 | 103.11 | 112.00 | 117.07 | 124.00 | 108.33 | 0.00 | 95.00 | 102.71 |
| - STD. DEV. | 0.00 | 2.83 | 13.03 | 15.01 | 16.12 | 17.39 | 20.98 | 30.59 | 10.60 | 0.00 | 33.34 | 26.36 |

| HJORT MATURITY STAGES: | | | | | | | | | |
|------------------------|------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 2 | 125 | 70 | 3 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 1.00 | 62.50 | 35.00 | 1.50 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE) : | | | | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|-------|--------|------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | | | | |
| NO. | 2 | 96 | 0 | 98 | NO. | | | | |
| % | 2.04 | 97.96 | 0.00 | 100.00 | % | 102 | 98 | 0 | 200 |
| % SAMPLE WEIGHT | 0.25 | 27.61 | 0.00 | 27.85 | MEAN WEIGHT | 51.00 | 49.00 | 0.00 | 100.00 |
| | | | | | % SAMP. WT. | 97.47 | 108.15 | 0.00 | 102.71 |
| | | | | | | 48.40 | 51.60 | 0.00 | 100.00 |

Table 10 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 2 | 47 | 22 | 41 | 5 | 39 | 17 | 1 | 2 | 24 | 200 |
| % AT AGE | 0.00 | 1.14 | 26.70 | 12.50 | 23.30 | 2.84 | 22.16 | 9.66 | 0.57 | 1.14 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 164.50 | 174.19 | 184.23 | 190.88 | 205.40 | 201.62 | 207.24 | 202.00 | 231.00 | 187.67 | 189.88 |
| - STD. DEV. | 0.00 | 4.95 | 15.55 | 15.85 | 15.25 | 10.19 | 19.05 | 12.01 | 0.00 | 21.21 | 21.16 | 20.29 |
| WEIGHT - MEAN (gm) | 0.00 | 63.50 | 77.00 | 92.32 | 103.73 | 131.20 | 125.49 | 135.18 | 125.00 | 200.00 | 102.37 | 104.30 |
| - STD. DEV. | 0.00 | 0.71 | 25.25 | 29.19 | 25.56 | 19.10 | 37.24 | 25.61 | 0.00 | 67.88 | 41.43 | 37.50 |

| HJORT MATURITY STAGES: | | | | | | | | | |
|------------------------|------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 1 | 141 | 57 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.50 | 70.50 | 28.50 | 0.50 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE) : | | | | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|--------|----------|-------|------------|
| | IMMATURE | MATURE | SPENT | TOTAL | | | | | SEX RATIO: |
| NO. | 1 | 101 | 0 | 102 | | | | | |
| % | 0.98 | 99.02 | 0.00 | 100.00 | | | | | |
| % SAMPLE WEIGHT | 0.12 | 29.62 | 0.00 | 29.74 | | | | | |
| | | | | | NO. | | | | |
| | | | | | % | | | | |
| | | | | | MEAN WEIGHT | | | | |
| | | | | | % SAMP. WT. | | | | |
| | | | | | MALE | FEMALE | IMMATURE | TOTAL | |

Table 10 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 10 | 341 | 306 | 180 | 35 | 31 | 6 | 0 | 0 | 91 | 1000 |
| % AT AGE | 0.00 | 1.10 | 37.51 | 33.66 | 19.80 | 3.85 | 3.41 | 0.66 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 164.80 | 185.18 | 191.42 | 195.57 | 203.63 | 207.52 | 207.33 | 0.00 | 0.00 | 186.95 | 190.39 |
| - STD. DEV. | 0.00 | 10.84 | 9.25 | 9.35 | 10.23 | 8.59 | 9.28 | 8.52 | 0.00 | 0.00 | 13.82 | 11.73 |
| WEIGHT - MEAN(gm) | 0.00 | 60.60 | 88.40 | 102.12 | 110.65 | 125.23 | 136.48 | 147.00 | 0.00 | 0.00 | 92.95 | 99.87 |
| - STD. DEV. | 0.00 | 12.00 | 15.70 | 17.44 | 19.67 | 20.17 | 22.20 | 23.65 | 0.00 | 0.00 | 23.15 | 22.18 |

| HJORT MATURITY STAGES: | | | | | | | | | |
|------------------------|------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 18 | 686 | 295 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 1.80 | 68.60 | 29.50 | 0.10 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): | | | | | | | | | |
|------------------------|----------|--------|-------|--------|-------------|-------|--------|------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | | | | |
| NO. | 11 | 461 | 1 | 473 | NO. | 527 | 473 | 0 | 1000 |
| % | 2.33 | 97.46 | 0.21 | 100.00 | % | 52.70 | 47.30 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.43 | 27.87 | 0.00 | 28.30 | MEAN WEIGHT | 94.58 | 105.76 | 0.00 | 99.87 |
| % SAMP. WT. | | | | | % SAMP. WT. | 49.91 | 50.09 | 0.00 | 100.00 |

Table 11. Gillnet roe fishery sample summaries by section.

| SPECIMENS AT EACH AGE: | | | | | | | | | | AGE | | | | | | |
|------------------------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--|--|--|--|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL | | | | |
| NO. AT AGE | 0 | 0 | 1 | 62 | 178 | 103 | 241 | 139 | 135 | 20 | 121 | 1000 | | | | |
| % AT AGE | 0.00 | 0.00 | 0.11 | 7.05 | 20.25 | 11.72 | 27.42 | 15.81 | 15.36 | 2.28 | 0.00 | 100.00 | | | | |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 214.00 | 206.69 | 210.69 | 212.25 | 213.85 | 216.35 | 217.38 | 220.20 | 212.82 | 213.51 | | | | |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 8.38 | 8.03 | 7.65 | 9.50 | 9.14 | 9.37 | 10.61 | 8.70 | 9.31 | | | | |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 135.00 | 131.71 | 136.11 | 139.06 | 144.43 | 148.52 | 151.27 | 157.65 | 142.40 | 143.11 | | | | |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 15.77 | 16.90 | 17.34 | 21.11 | 22.80 | 21.29 | 24.43 | 20.70 | 20.87 | | | | |

| HJORT MATURITY STAGES: | | | | | | | | | | MATURITY STAGE | | | | | | |
|------------------------|------|------|------|------|-------|-------|------|------|---------|----------------|--|--|--|--|--|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | | | | | | |
| NO. AT STAGE | 1 | 0 | 5 | 1 | 690 | 296 | 7 | 0 | 0 | | | | | | | |
| % AT STAGE | 0.10 | 0.00 | 0.50 | 0.10 | 69.00 | 29.60 | 0.70 | 0.00 | 0.00 | | | | | | | |

| ROE MATURITY (FEMALE) : | | | | | | | | | | SEX RATIO: | | | | | | | |
|-------------------------|----------|--------|-------|--------|--|--|--|--|--|-------------|--------|----------|--------|--------|--|--|--|
| | IMMATURE | MATURE | SPENT | TOTAL | | | | | | MALE | FEMALE | IMMATURE | TOTAL | | | | |
| NO. | 1 | 477 | 2 | 480 | | | | | | 519 | 480 | 1 | 1000 | | | | |
| % | 0.21 | 99.38 | 0.42 | 100.00 | | | | | | 51.90 | 48.00 | 0.10 | 100.00 | | | | |
| % SAMPLE WEIGHT | 0.00 | 28.85 | 0.00 | 28.85 | | | | | | MEAN WEIGHT | 141.22 | 145.14 | 145.00 | 143.11 | | | |
| % SAMP. WT. | | | | | | | | | | % SAMP. WT. | 51.22 | 48.68 | 0.10 | 100.00 | | | |

Table 11 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | AGE | | | | | | |
|------------------------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL | |
| NO. AT AGE | 0 | 0 | 3 | 30 | 105 | 38 | 237 | 83 | 7 | 1 | 96 | 600 | |
| % AT AGE | 0.00 | 0.00 | 0.60 | 5.95 | 20.83 | 7.54 | 47.02 | 16.47 | 1.39 | 0.20 | 0.00 | 100.00 | |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 180.33 | 198.30 | 202.24 | 203.39 | 206.58 | 209.72 | 211.71 | 214.00 | 206.23 | 205.52 | |
| - STD. DEV. | 0.00 | 0.00 | 2.08 | 7.97 | 5.68 | 7.18 | 7.71 | 8.54 | 8.94 | 0.00 | 8.06 | 8.25 | |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 74.00 | 115.97 | 122.90 | 125.79 | 130.88 | 135.43 | 146.00 | 170.00 | 131.89 | 129.16 | |
| - STD. DEV. | 0.00 | 0.00 | 2.65 | 17.01 | 13.26 | 11.98 | 17.55 | 21.16 | 21.79 | 0.00 | 15.78 | 18.05 | |

| HJORT MATURITY STAGES: | | | | | | | MATURITY STAGE | | | | | | |
|------------------------|------|------|------|------|------|-------|----------------|------|---------|------|--|--|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | | | |
| NO. AT STAGE | 0 | 0 | 0 | 0 | 0 | 397 | 197 | 6 | 0 | 0 | | | |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 66.17 | 32.83 | 1.00 | 0.00 | 0.00 | | | |

| ROE MATURITY (FEMALE) : | | | | | | | SEX RATIO: | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|--------|------------|----------|--------|---|-------|-------|------|
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL | | | | |
| NO. | 0 | 353 | 3 | 356 | NO. | 244 | 356 | 0 | 600 | % | 40.67 | 59.33 | 0.00 |
| % SAMPLE WEIGHT | 0.00 | 99.16 | 0.84 | 100.00 | MEAN WEIGHT | 122.45 | 133.76 | 0.00 | 129.16 | | | | |
| % SAMPLE WEIGHT | 0.00 | 28.81 | 0.00 | 28.81 | % SAMP. WT. | 38.55 | 61.45 | 0.00 | 100.00 | | | | |

Table 11 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | | AGE | | | | | |
|------------------------|------|------|------|--------|--------|--------|--------|--------|------|------|---------|--------|--|--|--|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL | | | |
| NO. AT AGE | 0 | 0 | 0 | 21 | 22 | 11 | 25 | 5 | 0 | 0 | 0 | 16 | | | |
| % AT AGE | 0.00 | 0.00 | 0.00 | 25.00 | 26.19 | 13.10 | 29.76 | 5.95 | 0.00 | 0.00 | 0.00 | 100.00 | | | |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 0.00 | 203.43 | 206.95 | 210.73 | 210.96 | 224.60 | 0.00 | 0.00 | 0.00 | 205.75 | | | |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 5.92 | 7.60 | 7.70 | 6.70 | 5.41 | 0.00 | 0.00 | 8.00 | 8.33 | | | |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 0.00 | 129.81 | 134.27 | 138.18 | 137.32 | 152.80 | 0.00 | 0.00 | 0.00 | 134.66 | | | |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 10.24 | 16.72 | 11.85 | 16.47 | 18.95 | 0.00 | 0.00 | 17.53 | 15.84 | | | |

| HJORT MATURITY STAGES : | | | | | | | | | | MATURITY STAGE | | | | | |
|-------------------------|------|------|------|------|-------|-------|------|------|---------|----------------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | | | | | |
| NO. AT STAGE | 0 | 0 | 0 | 0 | 63 | 34 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.00 | 34.00 | 34.00 | 3.00 | 0.00 | 0.00 | 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. | 0 | 53 | 2 | 55 | | NO. | | 55 | 55 | | 0 | 100 | | | |
| % | 0.00 | 96.36 | 3.64 | 100.00 | | % | | 55.00 | 55.00 | | 0.00 | 100.00 | | | |
| % SAMPLE WEIGHT | 0.00 | 29.54 | 0.00 | 29.54 | | MEAN WEIGHT | | 130.49 | 138.07 | | 0.00 | 134.66 | | | |
| % SAMP. WT. | | | | | | % SAMP. WT. | | 43.61 | 56.39 | | 0.00 | 100.00 | | | |

Table 11 (cont'd)

SECTION: 142 - BAYNES SOUND
 SAMPLE NUMBERS: 80, 74, 73, 75, 90,
 SOURCE: ROE FISHERY
 GEAR: GILLNET
 DATE: MAR 17/2002 - MAR 20/2002

| SPECIMENS AT EACH AGE: | | AGE | | | | | | | | | | | |
|------------------------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|-------|
| | | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 0 | 0 | 25 | 86 | 127 | 75 | 89 | 14 | 2 | 1 | 81 | 500 |
| % AT AGE | 0.00 | 0.00 | 5.97 | 20.53 | 30.31 | 17.90 | 21.24 | 3.34 | 0.48 | 0.24 | 0.00 | 100.00 | |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 194.84 | 202.66 | 204.44 | 208.89 | 212.09 | 217.93 | 221.00 | 207.00 | 204.59 | 206.16 | |
| - STD. DEV. | 0.00 | 0.00 | 5.66 | 8.34 | 7.39 | 8.03 | 7.34 | 10.56 | 9.90 | 0.00 | 10.33 | 9.40 | |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 113.36 | 123.66 | 128.00 | 134.68 | 140.69 | 159.57 | 147.50 | 112.00 | 129.42 | 130.94 | |
| - STD. DEV. | 0.00 | 0.00 | 11.00 | 13.96 | 14.35 | 15.83 | 16.69 | 20.65 | 33.23 | 0.00 | 15.46 | 17.32 | |

| HJORT MATURITY STAGES: | | MATURITY STAGE | | | | | | | | | | | |
|------------------------|------|----------------|------|------|------|-------|-------|------|------|---------|------|--|--|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | | |
| NO. AT STAGE | 0 | 0 | 0 | 0 | 1 | 352 | 142 | 5 | 0 | 0 | 0 | | |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 70.40 | 28.40 | 1.00 | 0.00 | 0.00 | 0.00 | | |

| ROE MATURITY (FEMALE) : | | SEX RATIO: | | | | | | | |
|-------------------------|------|------------|--------|--------|-------------|--------|--------|----------|--------|
| | | IMMATURE | MATURE | SPENT | TOTAL | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 1 | 284 | 1 | 286 | | | | | |
| % | 0.35 | 99.30 | 0.35 | 100.00 | | | | | |
| SAMPLE WEIGHT | 0.09 | 29.38 | 0.00 | 29.47 | | | | | |
| | | | | | NO. | 214 | 286 | 0 | 500 |
| | | | | | % | 42.80 | 57.20 | 0.00 | 100.00 |
| | | | | | MEAN WEIGHT | 129.70 | 131.87 | 0.00 | 130.94 |
| | | | | | % SAMP. WT. | 42.39 | 57.61 | 0.00 | 100.00 |

Table II (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | |
|------------------------|------|------|--------|--------|--------|--------|--------|-------|------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ |
| NO. AT AGE | 0 | 0 | 12 | 49 | 67 | 17 | 17 | 5 | 0 |
| % AT AGE | 0.00 | 0.00 | 7.19 | 29.34 | 40.12 | 10.18 | 2.99 | 0.00 | 0.00 |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 197.33 | 201.45 | 204.96 | 211.18 | 212.60 | 0.00 | 0.00 |
| - STD. DEV. | 0.00 | 0.00 | 5.38 | 5.76 | 7.42 | 8.53 | 8.18 | 6.77 | 0.00 |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 111.00 | 119.88 | 124.76 | 135.71 | 136.60 | 0.00 | 0.00 |
| - STD. DEV. | 0.00 | 0.00 | 13.54 | 9.72 | 12.75 | 11.84 | 18.68 | 16.15 | 0.00 |

| HJORT MATURITY STAGES: | | | | | | | | | |
|------------------------|------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 0 | 157 | 40 | 3 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.00 | 78.50 | 20.00 | 1.50 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE) : | | | | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|--------|----------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | | | | |
| NO. | 0 | 127 | 0 | 127 | MALE | FEMALE | IMMATURE | TOTAL | |
| % SAMPLE WEIGHT | 0.00 | 100.00 | 0.00 | 100.00 | NO. | 73 | 127 | 0 | 200 |
| | 0.00 | 28.79 | 0.00 | 28.79 | % | 36.50 | 63.50 | 0.00 | 100.00 |
| | | | | | MEAN WEIGHT | 123.62 | 125.72 | 0.00 | 124.95 |
| | | | | | % SAMP. WT. | 36.11 | 63.89 | 0.00 | 100.00 |

Table 11 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | |
|------------------------|------|------|--------|--------|--------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | AGE |
| NO. AT AGE | 0 | 0 | 8 | 50 | 69 | 46 |
| % AT AGE | 0.00 | 0.00 | 3.27 | 20.41 | 28.16 | 18.78 |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 194.62 | 202.58 | 205.32 | 210.54 |
| - STD. DEV. | 0.00 | 0.00 | 5.80 | 7.29 | 6.13 | 6.91 |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 117.00 | 124.98 | 133.78 | 143.63 |
| - STD. DEV. | 0.00 | 0.00 | 7.96 | 12.98 | 14.33 | 17.59 |

| HJORT MATURITY STAGES: | | | | | | |
|------------------------|------|------|------|------|-------|----------------|
| | 1 | 2 | 3 | 4 | 5 | MATURITY STAGE |
| NO. AT STAGE | 0 | 0 | 0 | 0 | 226 | 71 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.00 | 75.33 | 23.67 |

| ROE MATURITY (FEMALE): | | | | | | |
|------------------------|----------|--------|-------|--------|-------------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | |
| NO. | 0 | 177 | 1 | 178 | MALE | FEMALE |
| % | 0.00 | 99.44 | 0.56 | 100.00 | IMMATURE | TOTAL |
| % SAMPLE WEIGHT | 0.00 | 30.10 | 0.00 | 30.10 | NO. | 0 |
| | | | | | % | 300 |
| | | | | | MEAN WEIGHT | 59.33 |
| | | | | | % SAMP. WT. | 0.00 |
| | | | | | | 136.45 |
| | | | | | | 0.00 |
| | | | | | | 136.45 |
| | | | | | | 0.00 |
| | | | | | | 100.00 |
| | | | | | | 0.00 |
| | | | | | | 100.00 |

Table II (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | | | | |
|------------------------|------|------|------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 0 | 0 | 55 | 154 | 82 | 110 | 120 | 12 | 2 | 165 | 700 |
| % AT AGE | 0.00 | 0.00 | 0.00 | 10.28 | 28.79 | 15.33 | 20.56 | 22.43 | 2.24 | 0.37 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 0.00 | 205.40 | 210.30 | 214.24 | 217.61 | 220.22 | 225.17 | 228.50 | 214.35 | 214.49 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 7.48 | 7.16 | 7.28 | 7.59 | 7.33 | 5.61 | 0.71 | 9.02 | 8.93 |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 0.00 | 132.02 | 145.03 | 151.90 | 157.51 | 163.43 | 175.08 | 193.00 | 151.01 | 151.99 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 13.53 | 15.82 | 17.54 | 17.36 | 20.73 | 19.73 | 31.11 | 19.71 | 20.17 |

| HJORT MATURITY STAGES: | | | | | | | | | |
|------------------------|------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 0 | 481 | 212 | 7 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.00 | 68.71 | 30.29 | 1.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE) : | | | | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|--------|--------|----------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 0 | 419 | 2 | 421 | NO. | 279 | 421 | 0 | 700 |
| % | 0.00 | 99.52 | 0.48 | 100.00 | % | 39.86 | 60.14 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 31.38 | 0.00 | 31.38 | MEAN WEIGHT | 145.73 | 156.14 | 0.00 | 151.99 |
| % SAMP. WT. | | | | | % SAMP. WT. | 38.22 | 61.78 | 0.00 | 100.00 |

Table 12. Spawn on kelp seine sample summaries by section.

| SECTION: 6 - LOUSCOONE INLET | | | | | | | | | |
|--------------------------------|------|--------|--------|--------|--------|--------|--------|---------|--------|
| SAMPLE NUMBERS: 356,157, | | | | | | | | | |
| SOURCE: OTHER | | | | | | | | | |
| GEAR: HERRING SEINE | | | | | | | | | |
| DATE: FEB 27/2002 - MAR 2/2002 | | | | | | | | | |
| SPECIMENS AT EACH AGE: | | | | | | | | | |
| AGE | | | | | | | | | |
| 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ |
| NO. AT AGE | 0 | 16 | 122 | 13 | 14 | 18 | 3 | 1 | 11 |
| % AT AGE | 0.00 | 8.47 | 64.55 | 6.88 | 7.41 | 0.53 | 9.52 | 1.59 | 0.53 |
| LENGTH - MEAN (mm) | 0.00 | 162.94 | 192.35 | 193.46 | 213.14 | 222.00 | 230.61 | 232.33 | 237.00 |
| - STD. DEV. | 0.00 | 8.58 | 10.51 | 11.67 | 13.72 | 0.00 | 7.64 | 7.77 | 0.00 |
| WEIGHT - MEAN (gm) | 0.00 | 60.38 | 101.39 | 103.54 | 143.64 | 182.00 | 189.28 | 190.33 | 223.00 |
| - STD. DEV. | 0.00 | 9.46 | 20.85 | 17.00 | 31.71 | 0.00 | 30.09 | 40.50 | 0.00 |
| HJORT MATURITY STAGES: | | | | | | | | | |
| MATURITY STAGE | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | |
| NO. AT STAGE | 0 | 0 | 0 | 0 | 109 | 72 | 19 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.00 | 54.50 | 36.00 | 9.50 | 0.00 | 0.00 |
| ROE MATURITY (FEMALE) : | | | | | | | | | |
| SEX RATIO: | | | | | | | | | |
| IMMATURE MATURE SPENT TOTAL | | | | | | | | | |
| NO. | 0 | 85 | 9 | 94 | | | | | |
| % | 0.00 | 90.43 | 9.57 | 100.00 | | | | | |
| % SAMPLE WEIGHT | 0.00 | 24.76 | 0.00 | 24.76 | | | | | |
| MEAN WEIGHT | | | | | | | | | |
| % SAMP. WT. | | | | | 109.20 | 113.77 | 0.00 | 111.35 | |
| | | | | | 51.98 | 48.02 | 0.00 | 100.00 | |

Table 12 (cont'd)

| SPECIMENS AT EACH AGE: | | AGE | | | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|---------|-------|
| | | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 148 | 117 | 149 | 68 | 16 | 55 | 8 | 3 | 0 | 35 | 599 | |
| % AT AGE | 0.00 | 26.24 | 20.74 | 26.42 | 12.06 | 2.84 | 9.75 | 1.42 | 0.53 | 0.00 | 0.00 | 100.00 | |
| LENGTH - MEAN (mm) | 0.00 | 159.22 | 173.50 | 188.08 | 196.10 | 201.00 | 206.58 | 211.37 | 216.00 | 0.00 | 176.46 | 180.83 | |
| - STD. DEV. | 0.00 | 7.58 | 8.96 | 9.84 | 10.57 | 4.80 | 7.31 | 5.97 | 10.44 | 0.00 | 18.63 | 18.70 | |
| WEIGHT - MEAN (gm) | 0.00 | 55.86 | 75.08 | 100.47 | 115.84 | 124.50 | 135.75 | 143.12 | 146.67 | 0.00 | 84.77 | 90.00 | |
| - STD. DEV. | 0.00 | 9.18 | 12.16 | 18.38 | 19.00 | 14.18 | 18.62 | 20.16 | 25.54 | 0.00 | 27.64 | 31.23 | |

| HJORT MATURITY STAGES: | | MATURITY STAGE | | | | | | | | | | |
|------------------------|------|----------------|------|------|------|-------|-------|------|------|---------|--|--|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | |
| NO. AT STAGE | 0 | 0 | 0 | 0 | 29 | 459 | 108 | 3 | 0 | 0 | | |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.00 | 4.84 | 76.63 | 18.03 | 0.50 | 0.00 | 0.00 | | |

| ROE MATURITY (FEMALE) : | | SEX RATIO: | | | | | | | | | | |
|-------------------------|------|------------|--------|--------|-------|-------------|-------|--------|----------|--------|--|--|
| | | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL | | |
| NO. | 10 | 290 | 1 | 301 | | NO. | 298 | 301 | 0 | 599 | | |
| % | 3.32 | 96.35 | 0.33 | 100.00 | | % | 49.75 | 50.25 | 0.00 | 100.00 | | |
| % SAMPLE WEIGHT | 0.40 | 26.06 | 0.00 | 26.46 | | MEAN WEIGHT | 82.68 | 97.24 | 0.00 | 90.00 | | |
| % SAMP. WT. | | | | | | % SAMP. WT. | 45.70 | 54.30 | 0.00 | 100.00 | | |

Table 12 (cont'd)

SECTION: 42 - AREA 4 NORTH
 SAMPLE NUMBERS: 338,
 SOURCE: OTHER
 GEAR: HERRING SEINE
 DATE: MAR 20/2002

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | |
|--------------------|------|------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 0 | 20 | 42 | 20 | 3 | 5 | 3 | 1 | 0 | 6 | 100 |
| % AT AGE | 0.00 | 0.00 | 21.28 | 44.68 | 21.28 | 3.19 | 5.32 | 3.19 | 1.06 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 164.40 | 179.10 | 189.75 | 210.00 | 195.20 | 211.33 | 222.00 | 0.00 | 178.67 | 181.39 |
| - STD. DEV. | 0.00 | 0.00 | 8.30 | 9.20 | 13.88 | 14.00 | 9.01 | 19.50 | 0.00 | 0.00 | 25.03 | 16.89 |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 61.40 | 80.48 | 98.00 | 131.33 | 105.40 | 153.00 | 171.00 | 0.00 | 85.83 | 86.34 |
| - STD. DEV. | 0.00 | 0.00 | 7.30 | 15.13 | 22.93 | 35.73 | 20.95 | 44.64 | 0.00 | 0.00 | 33.16 | 28.28 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 3 | 62 | 35 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 3.00 | 62.00 | 35.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE) :

| | IMMATURE | MATURE | SPENT | TOTAL | | SEX RATIO: | |
|---------------|----------|--------|-------|--------|-------------|------------|--------|
| NO. | 1 | 53 | 0 | 54 | NO. | MALE | FEMALE |
| % | 1.85 | 98.15 | 0.00 | 100.00 | % | 54 | 54 |
| SAMPLE WEIGHT | 0.33 | 24.94 | 0.00 | 25.27 | MEAN WEIGHT | 46.00 | 46.00 |
| % SAMP. WT. | | | | | % SAMP. WT. | 83.70 | 88.59 |
| | | | | | | 0.00 | 0.00 |
| | | | | | | 55.41 | 0.00 |
| | | | | | | | 100.00 |

Table 12 (cont'd)

| SECTION: | 52 - KITKATLA INLET | | | | | | | | | | | |
|------------------------|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| SAMPLE NUMBERS: | 251, 256, | | | | | | | | | | | |
| SOURCE: | OTHER | | | | | | | | | | | |
| GEAR: | HERRING SEINE | | | | | | | | | | | |
| DATE: | MAR 24/2002 - MAR 25/2002 | | | | | | | | | | | |
| SPECIMENS AT EACH AGE: | | | | | | | | | | | | |
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 2 | 29 | 76 | 35 | 3 | 26 | 8 | 4 | 1 | 16 | 200 |
| % AT AGE | 0.00 | 1.09 | 15.76 | 41.30 | 19.02 | 1.63 | 14.13 | 4.35 | 2.17 | 0.54 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 158.50 | 172.55 | 185.87 | 197.86 | 193.67 | 209.00 | 207.87 | 217.75 | 220.00 | 196.37 | 191.41 |
| - STD. DEV. | 0.00 | 9.19 | 9.04 | 10.68 | 7.52 | 7.37 | 10.12 | 13.45 | 10.37 | 0.00 | 13.63 | 15.91 |
| WEIGHT - MEAN (gm) | 0.00 | 46.00 | 69.52 | 90.95 | 109.49 | 99.67 | 131.73 | 125.00 | 151.25 | 145.00 | 108.69 | 100.32 |
| - STD. DEV. | 0.00 | 9.90 | 11.29 | 17.45 | 15.45 | 24.83 | 21.22 | 15.44 | 28.10 | 0.00 | 25.93 | 27.30 |

| HJORT MATURITY STAGES: | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | |
|------------------------|--|------|------|------|------|-------|-------|------|------|---------|--|
| NO. AT STAGE | | 0 | 0 | 0 | 3 | 151 | 46 | 0 | 0 | 0 | |
| % AT STAGE | | 0.00 | 0.00 | 0.00 | 1.50 | 75.50 | 23.00 | 0.00 | 0.00 | 0.00 | |

| ROE MATURITY (FEMALE) : | | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | | | | |
|-------------------------|--|----------|--------|-------|--------|-------------|-------|--------|------|--------|
| NO. | | 1 | 98 | 0 | 99 | NO. | 99 | 0 | 200 | |
| % | | 1.01 | 98.99 | 0.00 | 100.00 | % | 50.50 | 49.50 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | | 0.18 | 27.39 | 0.00 | 27.57 | MEAN WEIGHT | 95.06 | 105.70 | 0.00 | 100.32 |
| % SAMP. WT. | | | | | | % SAMP. WT. | 47.85 | 52.15 | 0.00 | 100.00 |

Table 12 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|
| AGE | | | | | | | | | |
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ |
| NO. AT AGE | 0 | 1 | 33 | 9 | 20 | 5 | 13 | 9 | 2 |
| % AT AGE | 0.00 | 1.09 | 35.87 | 9.78 | 21.74 | 5.43 | 14.13 | 9.78 | 2.17 |
| LENGTH - MEAN (mm) | 0.00 | 164.00 | 171.00 | 176.56 | 196.05 | 193.60 | 207.08 | 208.44 | 214.00 |
| - STD. DEV. | 0.00 | 0.00 | 13.87 | 7.35 | 10.40 | 14.01 | 11.91 | 16.37 | 14.14 |
| WEIGHT - MEAN (gm) | 0.00 | 52.00 | 72.88 | 84.11 | 115.85 | 112.80 | 144.38 | 138.22 | 146.50 |
| - STD. DEV. | 0.00 | 0.00 | 21.54 | 17.08 | 24.08 | 22.87 | 23.96 | 40.20 | 6.36 |

| HJORT MATURITY STAGES: | | | | | | | | | |
|------------------------|------|------|------|------|-------|-------|------|------|---------|
| MATURITY STAGE: | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 2 | 83 | 14 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 2.00 | 83.00 | 14.00 | 1.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): | | | | | | | | | |
|------------------------|----------|--------|-------|--------|-------------|--------|----------|-------|--------|
| SEX RATIO: | | | | | | | | | |
| | IMMATURE | MATURE | SPENT | TOTAL | MALE | FEMALE | IMMATURE | TOTAL | |
| NO. | 2 | 46 | 1 | 49 | NO. | 51 | 49 | 0 | 100 |
| % | 4.08 | 93.88 | 2.04 | 100.00 | % | 51.00 | 49.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.50 | 27.47 | 0.00 | 27.97 | MEAN WEIGHT | 93.67 | 114.18 | 0.00 | 103.72 |
| % SAMP. WT. | | | | | % SAMP. WT. | 46.06 | 53.94 | 0.00 | 100.00 |

Table 12 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | AGE | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|--|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL | |
| NO. AT AGE | 0 | 1 | 16 | 18 | 14 | 3 | 38 | 8 | 0 | 0 | 2 | 100 | |
| % AT AGE | 0.00 | 1.02 | 16.33 | 18.37 | 14.29 | 3.06 | 38.78 | 8.16 | 0.00 | 0.00 | 0.00 | 100.00 | |
| LENGTH - MEAN (mm) | 0.00 | 163.00 | 179.25 | 191.39 | 198.29 | 203.00 | 199.84 | 203.00 | 0.00 | 0.00 | 180.50 | 194.40 | |
| - STD. DEV. | 0.00 | 0.00 | 15.79 | 9.39 | 9.15 | 3.46 | 13.07 | 10.42 | 0.00 | 0.00 | 34.65 | 14.91 | |
| WEIGHT - MEAN (gm) | 0.00 | 59.00 | 78.75 | 97.50 | 111.93 | 124.33 | 113.47 | 116.37 | 0.00 | 0.00 | 84.00 | 104.25 | |
| - STD. DEV. | 0.00 | 0.00 | 19.20 | 16.50 | 18.38 | 2.89 | 27.28 | 28.03 | 0.00 | 0.00 | 49.50 | 26.70 | |

| HJORT MATURITY STAGES: | | | | | | | MATURITY STAGE | | | | | | |
|------------------------|------|------|------|------|-------|-------|----------------|------|---------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | | | |
| NO. AT STAGE | 0 | 0 | 0 | 9 | 74 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 9.00 | 74.00 | 17.00 | 0.00 | 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. | 6 | 49 | 0 | 55 | | | NO. | | | | 0 | 100 | |
| % | 10.91 | 89.09 | 0.00 | 100.00 | | | % | | | | 0.00 | 100.00 | |
| % SAMPLE WEIGHT | 1.39 | 25.53 | 0.00 | 26.92 | | | MEAN WEIGHT | | | | | | |
| % SAMP. WT. | | | | | | | % SAMP. WT. | 44.06 | 55.94 | 0.00 | 104.25 | | |

Table 13. Test fishing sample summaries by section.

| SPECIMENS AT EACH AGE: | | | | | | | | | | AGE | | | | | | | | | | | | | | | |
|-------------------------|-------|----------|--------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|------|--------|------|--------|------|------------|------|-------|------|---------|---|-------|--|
| | | 0+ | | 1+ | | 2+ | | 3+ | | 4+ | | 5+ | | 6+ | | 7+ | | 8+ | | 9+ | | UNKNOWN | | TOTAL | |
| NO. AT AGE | 0 | 146 | 56 | 27 | 79 | 39 | 16 | 8 | 6 | 1 | 21 | 399 | | | | | | | | | | | | | |
| % AT AGE | 0.00 | 38.62 | 14.81 | 7.14 | 20.90 | 10.32 | 4.23 | 2.12 | 1.59 | 0.26 | 0.00 | 100.00 | | | | | | | | | | | | | |
| LENGTH - MEAN (mm) | 0.00 | 166.31 | 189.05 | 206.56 | 222.61 | 231.41 | 230.25 | 229.87 | 223.50 | 224.00 | 190.33 | 195.84 | | | | | | | | | | | | | |
| - STD. DEV. | 0.00 | 6.76 | 12.66 | 13.63 | 10.05 | 13.45 | 11.83 | 17.03 | 8.96 | 0.00 | 26.78 | 28.67 | | | | | | | | | | | | | |
| WEIGHT - MEAN (gm) | 0.00 | 67.20 | 99.29 | 135.15 | 175.82 | 203.10 | 204.75 | 197.50 | 188.17 | 211.00 | 111.05 | 123.71 | | | | | | | | | | | | | |
| - STD. DEV. | 0.00 | 8.50 | 19.92 | 27.94 | 29.27 | 32.81 | 27.19 | 47.18 | 35.15 | 0.00 | 55.29 | 59.36 | | | | | | | | | | | | | |
| HJORT MATURITY STAGES: | | | | | | | | | | MATURITY STAGE | | | | | | | | SEX RATIO: | | | | | | | |
| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | UNKNOWN | | | | | | | |
| NO. AT STAGE | 0 | 0 | 0 | 0 | 0 | 36 | 284 | 79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.02 | 71.18 | 19.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| ROE MATURITY (FEMALE) : | | | | | | | | | | IMMATURE | | | | MALE | | | | SEX RATIO: | | | | | | | |
| | | IMMATURE | | MATURE | | SPENT | | TOTAL | | NO. | | NO. | | MALE | | FEMALE | | IMMATURE | | TOTAL | | | | | |
| NO. | 24 | 184 | 0 | 0 | 208 | | | | | NO. | 191 | 208 | 0 | 399 | | | | | | | | | | | |
| % SAMPLE WEIGHT | 11.54 | 88.46 | 0.00 | 100.00 | | | | | | % | 47.87 | 52.13 | 0.00 | 100.00 | | | | | | | | | | | |
| | 1.69 | 27.11 | 0.00 | 28.80 | | | | | | MEAN WEIGHT | 113.51 | 133.07 | 0.00 | 123.71 | | | | | | | | | | | |
| | | | | | | | | | | % SAMP. WT. | 43.92 | 56.08 | 0.00 | 100.00 | | | | | | | | | | | |

Table 13 (cont'd)

| SECTION: 3 - RENNELL SOUND | |
|--|--------|
| SAMPLE NUMBERS: 128, 127, 138, 136, 129, | |
| SOURCE: TEST FISHERY | |
| GEAR: HERRING SEINE | |
| DATE: MAR 17/2002 - MAR 27/2002 | |
| <u>SPECIMENS AT EACH AGE:</u> | |
| | |
| AGE | |
| 0+ | |
| 1+ | |
| 2+ | |
| 3+ | |
| 4+ | |
| 5+ | |
| 6+ | |
| 7+ | |
| 8+ | |
| 9+ | |
| UNKNOWN | |
| TOTAL | |
| NO. AT AGE | 0 |
| % AT AGE | 38.84 |
| LENGTH - MEAN (mm) | 165.21 |
| - STD. DEV. | 7.20 |
| WEIGHT - MEAN (gm) | 61.85 |
| - STD. DEV. | 10.30 |

| HJORT MATURITY STAGES: | |
|------------------------|-------|
| | |
| | |
| NO. AT STAGE | 1 |
| % AT STAGE | 0.00 |
| NO. AT STAGE | 2 |
| % AT STAGE | 0.20 |
| NO. AT STAGE | 3 |
| % AT STAGE | 0.00 |
| NO. AT STAGE | 4 |
| % AT STAGE | 3.80 |
| NO. AT STAGE | 5 |
| % AT STAGE | 69.40 |
| NO. AT STAGE | 6 |
| % AT STAGE | 26.40 |
| NO. AT STAGE | 7 |
| % AT STAGE | 0.20 |
| NO. AT STAGE | 8 |
| % AT STAGE | 0.00 |
| MATURITY STAGE: | |
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| UNKNOWN | |

| ROE MATURITY (FEMALE): | |
|------------------------|----------|
| | |
| | |
| IMMATURE | MATURE |
| SPENT | TOTAL |
| NO. | 10 |
| % | 4.37 |
| % SAMPLE WEIGHT | 0.44 |
| NO. | 219 |
| % | 95.63 |
| % SAMPLE WEIGHT | 28.33 |
| NO. | 0 |
| % | 0.00 |
| NO. | 100.00 |
| % | 28.77 |
| MEAN WEIGHT | 229 |
| % SAMP. WT. | 47.63 |
| NO. | 270 |
| % | 54.00 |
| MEAN WEIGHT | 229 |
| % SAMP. WT. | 45.80 |
| NO. | 102.66 |
| % | 100.00 |
| SEX RATIO: | |
| MALE | FEMALE |
| IMMATURE | IMMATURE |
| TOTAL | TOTAL |
| NO. | 229 |
| % | 0.20 |
| MEAN WEIGHT | 132.86 |
| % SAMP. WT. | 52.27 |
| NO. | 1 |
| % | 100.00 |
| SEX RATIO: | |
| MALE | FEMALE |
| IMMATURE | IMMATURE |
| TOTAL | TOTAL |
| NO. | 58.00 |
| % | 116.40 |
| MEAN WEIGHT | 58.00 |
| % SAMP. WT. | 0.10 |
| NO. | 100.00 |
| % | 500 |

Table 13 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | |
|------------------------|------|--------|--------|--------|------|------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | AGE |
| NO. AT AGE | 0 | 88 | 6 | 1 | 0 | 0 |
| % AT AGE | 0.00 | 92.63 | 6.32 | 1.05 | 0.00 | 0.00 |
| LENGTH - MEAN (mm) | 0.00 | 156.36 | 164.00 | 171.00 | 0.00 | 0.00 |
| - STD. DEV. | 0.00 | 8.03 | 9.03 | 0.00 | 0.00 | 0.00 |
| WEIGHT - MEAN (gm) | 0.00 | 53.30 | 61.50 | 77.00 | 0.00 | 0.00 |
| - STD. DEV. | 0.00 | 10.94 | 20.55 | 0.00 | 0.00 | 0.00 |

| HJORT MATURITY STAGES: | | | | | | |
|------------------------|------|-------|------|-------|-------|----------------|
| | 1 | 2 | 3 | 4 | 5 | MATURITY STAGE |
| NO. AT STAGE | 4 | 22 | 4 | 32 | 31 | 7 |
| % AT STAGE | 4.00 | 22.00 | 4.00 | 32.00 | 31.00 | 7.00 |

| ROE MATURITY (FEMALE) : | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | |
| NO. | 16 | 11 | 0 | 27 | NO. | 19 |
| % | 59.26 | 40.74 | 0.00 | 100.00 | % | 100 |
| % SAMPLE WEIGHT | 5.74 | 12.04 | 0.00 | 17.78 | MEAN WEIGHT | 54.00 |
| % SAMP. WT. | | | | | % SAMP. WT. | 53.59 |
| | | | | | MALE | 27 |
| | | | | | FEMALE | 19.00 |
| | | | | | IMMATURE | 19.00 |
| | | | | | TOTAL | 100.00 |

Table 13 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 26 | 84 | 13 | 90 | 24 | 32 | 10 | 6 | 2 | 13 | 300 |
| % AT AGE | 0.00 | 9.06 | 29.27 | 4.53 | 31.36 | 8.36 | 11.15 | 3.48 | 2.09 | 0.70 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 167.81 | 192.15 | 193.08 | 216.37 | 220.04 | 227.34 | 230.60 | 229.67 | 214.00 | 191.31 | 205.47 |
| - STD. DEV. | 0.00 | 8.74 | 11.26 | 19.68 | 9.90 | 10.42 | 9.94 | 11.60 | 5.72 | 38.18 | 24.55 | 21.55 |
| WEIGHT - MEAN (Gm) | 0.00 | 67.42 | 109.33 | 113.85 | 167.33 | 177.92 | 202.12 | 212.90 | 218.67 | 202.50 | 109.00 | 144.93 |
| - STD. DEV. | 0.00 | 9.53 | 22.24 | 38.69 | 28.09 | 28.65 | 32.57 | 40.06 | 21.55 | 95.46 | 44.42 | 51.28 |

| HJORT MATURITY STAGES: | | | | | | | | | |
|------------------------|------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 0 | 2 | 215 | 82 | 1 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.67 | 71.67 | 27.33 | 0.33 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE) : | | | | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|--------|--------|------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | | | | |
| NO. | 0 | 153 | 0 | 153 | NO. | 147 | 153 | 0 | 300 |
| % | 0.00 | 100.00 | 0.00 | 100.00 | % | 49.00 | 51.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 29.31 | 0.00 | 29.31 | MEAN WEIGHT | 133.88 | 155.54 | 0.00 | 144.93 |
| % SAMP. WT. | | | | | % SAMP. WT. | 45.27 | 54.73 | 0.00 | 100.00 |

Table 13 (cont'd)

| | | | | | | | | | | |
|-------------------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SECTION: | 21 - JUAN PEREZ SOUND | | | | | | | | | |
| SAMPLE NUMBERS: | 266, 124, 125, 163, 181, 155, 152, 177, 134, 158, 149, 242, 148, | | | | | | | | | |
| SOURCE: | TEST FISHERY | | | | | | | | | |
| GEAR: | HERRING SEINE | | | | | | | | | |
| DATE: | MAR 7/2002 - MAR 20/2002 | | | | | | | | | |
| SPECIMENS AT EACH AGE: | | | | | | | | | | |
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ |
| NO. AT AGE | 0 | 326 | 306 | 285 | 135 | 27 | 135 | 11 | 2 | 1 |
| % AT AGE | 0.00 | 26.55 | 24.92 | 23.21 | 10.99 | 2.20 | 10.99 | 0.90 | 0.16 | 0.08 |
| LENGTH - MEAN (mm) | 0.00 | 158.48 | 172.99 | 188.79 | 198.65 | 203.81 | 209.07 | 212.64 | 215.50 | 217.00 |
| - STD. DEV. | 0.00 | 7.45 | 10.11 | 10.05 | 9.63 | 10.43 | 8.25 | 6.61 | 20.51 | 0.00 |
| WEIGHT - MEAN (gm) | 0.00 | 54.41 | 73.27 | 98.69 | 116.53 | 126.41 | 138.36 | 145.09 | 155.00 | 141.00 |
| - STD. DEV. | 0.00 | 8.92 | 13.92 | 17.72 | 18.75 | 21.09 | 19.82 | 9.98 | 42.43 | 0.00 |
| | | | | | | | | | | |

| | | | | | | | | | | |
|--------------------------------|----------|--------|-------|--------|-------------|-------|------|------|---------|----------------------------|
| HJORT MATURITY STAGES: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | |
| NO. AT STAGE | 0 | 3 | 3 | 120 | 905 | 262 | 7 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.23 | 0.23 | 9.23 | 69.62 | 20.15 | 0.54 | 0.00 | 0.00 | |
| ROE MATURITY (FEMALE) : | | | | | | | | | | |
| | IMMATURE | MATURE | SPENT | TOTAL | | | | | | SEX RATIO: |
| NO. | 64 | 534 | 2 | 600 | | | | | | MALE FEMALE IMMATURE TOTAL |
| % | 10.67 | 89.00 | 0.33 | 100.00 | NO. | | | | | |
| % SAMPLE WEIGHT | 1.54 | 24.77 | 0.00 | 26.31 | % | | | | | |
| | | | | | MEAN WEIGHT | | | | | |
| | | | | | % SAMP. WT. | | | | | |
| | | | | | | | | | | |

Table 13 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | AGE |
| NO. AT AGE | 0 | 249 | 93 | 59 | 23 | 7 | 29 |
| % AT AGE | 0.00 | 53.21 | 19.87 | 12.61 | 4.91 | 1.50 | 6.20 |
| LENGTH - MEAN (mm) | 0.00 | 160.33 | 177.03 | 189.93 | 192.74 | 212.00 | 205.83 |
| - STD. DEV. | 0.00 | 8.75 | 12.56 | 13.86 | 15.61 | 9.35 | 12.99 |
| WEIGHT - MEAN (gm) | 0.00 | 52.28 | 77.12 | 96.58 | 108.61 | 132.57 | 132.28 |
| - STD. DEV. | 0.00 | 11.80 | 23.01 | 23.41 | 24.87 | 25.86 | 28.87 |
| | | | | | | | |
| | | | | | | | |

| HJORT MATURITY STAGES: | | | | | | | |
|------------------------|------|------|------|------|-------|-------|----------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | MATURITY STAGE |
| NO. AT STAGE | 1 | 2 | 6 | 45 | 323 | 93 | 28 |
| % AT STAGE | 0.20 | 0.40 | 1.20 | 9.00 | 64.60 | 18.60 | 5.60 |
| | | | | | | | |
| | | | | | | | |

| ROE MATURITY (FEMALE) : | | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|--|------------|
| | IMMATURE | MATURE | SPENT | TOTAL | | | SEX RATIO: |
| NO. | 11 | 216 | 6 | 233 | | | |
| % | 4.72 | 92.70 | 2.58 | 100.00 | | | |
| % SAMPLE WEIGHT | 0.60 | 22.90 | 0.00 | 23.50 | | | |
| | | | | | | | |
| | | | | | | | |
| NO. | | | | | NO. | | |
| % | | | | | % | | |
| MEAN WEIGHT | | | | | MEAN WEIGHT | | |
| % SAMP. WT. | | | | | % SAMP. WT. | | |
| | | | | | | | |
| | | | | | | | |

Table I3 (cont'd)

| SECTION: | 42 - AREA 4 NORTH | | | | | | | | | | | |
|------------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| SAMPLE NUMBERS: | 335, 348, 351, 352, 209, 346, 353, 201, 232, 345, 341, 330, 217, 207, 231, 355, 212, | | | | | | | | | | | |
| SOURCE: | TEST FISHERY | | | | | | | | | | | |
| GEAR: | HERRING SEINE | | | | | | | | | | | |
| DATE: | MAR 13/2002 - MAR 28/2002 | | | | | | | | | | | |
| SPECIMENS AT EACH AGE: | | | | | | | | | | | | |
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 14 | 319 | 765 | 266 | 61 | 105 | 48 | 36 | 5 | 81 | 1700 |
| % AT AGE | 0.00 | 0.86 | 19.70 | 47.25 | 16.43 | 3.77 | 6.49 | 2.96 | 2.22 | 0.31 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 148.64 | 167.33 | 180.15 | 191.67 | 202.43 | 205.39 | 209.83 | 213.83 | 210.60 | 181.78 | 183.36 |
| - STD. DEV. | 0.00 | 7.60 | 8.50 | 9.86 | 11.87 | 11.96 | 11.91 | 13.16 | 13.11 | 17.77 | 18.22 | 16.63 |
| WEIGHT - MEAN (gm) | 0.00 | 41.14 | 60.99 | 78.53 | 97.90 | 116.79 | 122.84 | 134.87 | 138.25 | 146.40 | 84.06 | 85.39 |
| - STD. DEV. | 0.00 | 10.08 | 11.96 | 15.87 | 22.95 | 26.98 | 28.02 | 29.70 | 28.84 | 35.63 | 29.34 | 28.58 |

| | | | | | | | | | | | |
|------------------------|------|----------------|------|-------|-------|-------|------|---------|------------|--------|----------------|
| HJORT MATURITY STAGES: | | MATURITY STAGE | | | | | | | SEX RATIO: | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | MALE | FEMALE | IMMATURE TOTAL |
| NO. AT STAGE | 3 | 11 | 3 | 236 | 930 | 373 | 144 | 0 | 1 | 0 | 1 |
| % AT STAGE | 0.18 | 0.65 | 0.18 | 13.88 | 54.71 | 21.94 | 8.47 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|-------|-------|-------|--------|
| ROE MATURITY (FEMALE) : | IMMATURE | MATURE | SPENT | TOTAL | NO. | 864 | 822 | 14 | 1700 |
| NO. | 130 | 625 | 67 | 822 | NO. | 864 | 822 | 14 | 1700 |
| % | 15.82 | 76.03 | 8.15 | 100.00 | % | 50.82 | 48.35 | 0.82 | 100.00 |
| % SAMPLE WEIGHT | 2.73 | 21.34 | 0.00 | 24.08 | MEAN WEIGHT | 83.56 | 87.96 | 47.29 | 85.39 |
| % SAMP. WT. | | | | | % SAMP. WT. | 49.73 | 49.81 | 0.46 | 100.00 |

Table 13 (cont'd)

| | | SECTION: 43 - AREA 4 SOUTH | | | | | | | | | | | | |
|------------------------|--|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|---------|-------|
| | | SAMPLE NUMBERS: 349, | | | | | | | | | | | | |
| | | SOURCE: TEST FISHERY | | | | | | | | | | | | |
| | | GEAR: HERRING SEINE | | | | | | | | | | | | |
| | | DATE: APR 8/2002 | | | | | | | | | | | | |
| SPECIMENS AT EACH AGE: | | 0+ | 1+ | 2+ | 3+ | 4+ | AGE | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | | 0 | 4 | 14 | 37 | 18 | 2 | 10 | 3 | 4 | 0 | 8 | 100 | |
| % AT AGE | | 0.00 | 4.35 | 15.22 | 40.22 | 19.57 | 2.17 | 10.87 | 3.26 | 4.35 | 0.00 | 0.00 | 100.00 | |
| LENGTH - MEAN(mm) | | 0.00 | 152.75 | 164.43 | 179.11 | 191.33 | 205.50 | 200.90 | 213.67 | 217.25 | 0.00 | 164.87 | 182.33 | |
| - STD. DEV. | | 0.00 | 4.57 | 8.98 | 11.11 | 11.75 | 7.78 | 13.20 | 7.09 | 11.30 | 0.00 | 18.83 | 19.36 | |
| WEIGHT - MEAN(gm) | | 0.00 | 47.25 | 61.14 | 79.59 | 99.11 | 117.00 | 115.20 | 159.00 | 147.25 | 0.00 | 60.13 | 87.07 | |
| - STD. DEV. | | 0.00 | 6.18 | 13.97 | 16.74 | 20.41 | 9.90 | 31.11 | 31.80 | 34.01 | 0.00 | 18.96 | 32.19 | |

| | | MATURITY STAGE | | | | | | | | | | | |
|--------------|--|----------------|------|------|------|-------|-------|------|------|---------|------|------|--|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | | |
| NO. AT STAGE | | 0 | 0 | 0 | 1 | 67 | 31 | 1 | 0 | 0 | 0 | 0 | |
| % AT STAGE | | 0.00 | 0.00 | 0.00 | 1.00 | 67.00 | 31.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | SEX RATIO: | | | | | | | | | | | |
|-------------------------|--|------------|--------|-------|--------|-------|--------|----------|--------|-------|-------|------|--------|
| | | IMMATURE | MATURE | SPENT | TOTAL | MALE | FEMALE | IMMATURE | TOTAL | NO. | NO. | NO. | NO. |
| ROE MATURITY (FEMALE) : | | | | | | | | | | | | | |
| NO. | | 1 | 57 | 0 | 58 | | | | | 42 | 58 | 0 | 100 |
| % | | 1.72 | 98.28 | 0.00 | 100.00 | | | | | 42.00 | 58.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | | 0.17 | 25.49 | 0.00 | 25.66 | | | | | | | | |
| MEAN WEIGHT | | | | | | 82.98 | 90.03 | 0.00 | 87.07 | | | | |
| % SAMP. WT. | | | | | | 40.03 | 59.97 | 0.00 | 100.00 | | | | |

Table 13 (cont'd)

| SECTION: 52 - KITKATLA INLET | | | | | | | | | |
|--|------|--------|--------|--------|-------------|--------|--------|---------|--------|
| SAMPLE NUMBERS: 253, 246, 354, 222, 208, 244, 255, 248, 334, 249, 342, 331, 203, 340, 254, 247, 243, 339, 329, 337, 252, 347, 216, 245, 250, | | | | | | | | | |
| SOURCE: TEST FISHERY | | | | | | | | | |
| GEAR: HERRING SETINE | | | | | | | | | |
| DATE: MAR 17/2002 - APR 7/2002 | | | | | | | | | |
| SPECIMENS AT EACH AGE: | | | | | | | | | |
| AGE | | | | | | | | | |
| 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ |
| NO. AT AGE | 0 | 170 | 465 | 775 | 455 | 98 | 272 | 87 | 36 |
| % AT AGE | 0.00 | 7.19 | 19.66 | 32.77 | 19.24 | 4.14 | 11.50 | 3.68 | 1.52 |
| LENGTH - MEAN (mm) | 0.00 | 152.84 | 170.62 | 183.10 | 193.66 | 202.47 | 205.97 | 207.13 | 213.47 |
| - STD. DEV. | 0.00 | 9.93 | 9.72 | 9.79 | 9.83 | 8.91 | 9.63 | 7.64 | 9.15 |
| WEIGHT - MEAN (gm) | 0.00 | 47.75 | 68.10 | 86.55 | 104.30 | 118.37 | 127.12 | 132.25 | 145.31 |
| - STD. DEV. | 0.00 | 10.93 | 13.48 | 15.84 | 19.04 | 17.94 | 22.59 | 19.22 | 26.92 |
| HJORT MATURITY STAGES: | | | | | | | | | |
| Maturity Stage | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | |
| NO. AT STAGE | 2 | 5 | 6 | 89 | 1653 | 570 | 139 | 36 | 0 |
| % AT STAGE | 0.08 | 0.20 | 0.24 | 3.56 | 66.12 | 22.80 | 5.56 | 1.44 | 0.00 |
| ROE MATURITY (FEMALE) : | | | | | | | | | |
| SEX RATIO: | | | | | | | | | |
| MALE FEMALE IMMATURE TOTAL | | | | | | | | | |
| NO. | 45 | 1065 | 72 | 1182 | NO. | | 1307 | 1182 | 11 |
| % | 3.81 | 90.10 | 6.09 | 100.00 | % | | 52.28 | 47.28 | 0.44 |
| % SAMPLE WEIGHT | 0.66 | 25.20 | 0.00 | 25.87 | MEAN WEIGHT | | 86.65 | 98.98 | 92.30 |
| | | | | | % SAMP. WT. | | 49.08 | 50.70 | 0.22 |
| | | | | | | | | | 100.00 |

Table 13 (cont'd)

SECTION : 53 - PRINCIPLE CHANNEL
SAMPLE NUMBERS : 234,
SOURCE : TEST FISHERY
GEAR : HERRING SEINE
DATE : APR 2/2002

| SPECIMENS AT EACH AGE: | AGE | | | | | | | UNKNOWN | TOTAL |
|------------------------|------|--------|--------|--------|--------|------|--------|---------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | | |
| NO. AT AGE | 0 | 6 | 49 | 27 | 7 | 0 | 4 | 0 | 6 |
| % AT AGE | 0.00 | 6.38 | 52.13 | 28.72 | 7.45 | 0.00 | 4.26 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 156.50 | 163.71 | 178.30 | 180.29 | 0.00 | 177.50 | 192.00 | 0.00 |
| - STD. DEV. | 0.00 | 9.61 | 10.97 | 10.36 | 12.09 | 0.00 | 18.43 | 0.00 | 169.75 |
| WEIGHT - MEAN (gm) | 0.00 | 53.00 | 60.67 | 81.26 | 92.57 | 0.00 | 83.75 | 100.00 | 0.00 |
| - STD. DEV. | 0.00 | 10.64 | 13.48 | 15.12 | 29.48 | 0.00 | 31.77 | 0.00 | 69.61 |

H-TOBT MATURITY STAGES:

| NO. | AT STAGE |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 1 | 0 | 2 | 0 | 3 | 0 | 4 | 0 | 5 | 0 |
| 6 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 10 | 0 |
| 11 | 0 | 12 | 0 | 13 | 0 | 14 | 0 | 15 | 0 |
| 16 | 0 | 17 | 0 | 18 | 0 | 19 | 0 | 20 | 0 |
| 21 | 0 | 22 | 0 | 23 | 0 | 24 | 0 | 25 | 0 |
| 26 | 0 | 27 | 0 | 28 | 0 | 29 | 0 | 30 | 0 |
| 31 | 0 | 32 | 0 | 33 | 0 | 34 | 0 | 35 | 0 |
| 36 | 0 | 37 | 0 | 38 | 0 | 39 | 0 | 40 | 0 |
| 41 | 0 | 42 | 0 | 43 | 0 | 44 | 0 | 45 | 0 |
| 46 | 0 | 47 | 0 | 48 | 0 | 49 | 0 | 50 | 0 |
| 51 | 0 | 52 | 0 | 53 | 0 | 54 | 0 | 55 | 0 |
| 56 | 0 | 57 | 0 | 58 | 0 | 59 | 0 | 60 | 0 |
| 61 | 0 | 62 | 0 | 63 | 0 | 64 | 0 | 65 | 0 |
| 66 | 0 | 67 | 0 | 68 | 0 | 69 | 0 | 70 | 0 |
| 71 | 0 | 72 | 0 | 73 | 0 | 74 | 0 | 75 | 0 |
| 76 | 0 | 77 | 0 | 78 | 0 | 79 | 0 | 80 | 0 |
| 81 | 0 | 82 | 0 | 83 | 0 | 84 | 0 | 85 | 0 |
| 86 | 0 | 87 | 0 | 88 | 0 | 89 | 0 | 90 | 0 |
| 91 | 0 | 92 | 0 | 93 | 0 | 94 | 0 | 95 | 0 |
| 96 | 0 | 97 | 0 | 98 | 0 | 99 | 0 | 100 | 0 |

ROE Maturity (Female) : Sex Ratio :

| NO. | NO. | NO. | NO. |
|------|-------------|--------|--------|
| % | % | % | % |
| 2 | 55 | 57 | 57 |
| 3.51 | 96.49 | 0.00 | 100.00 |
| 0.43 | 24.63 | 0.00 | 25.07 |
| | | | |
| | MEAN WEIGHT | 43.00 | 57.00 |
| | % SAMP. WT. | 65.02 | 73.07 |
| | | 40.17 | 59.83 |
| | | 0.00 | 0.00 |
| | | 100.00 | 100.00 |

Table 13 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|
| AGE | | | | | | | | | |
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ |
| NO. AT AGE | 0 | 16 | 262 | 96 | 209 | 59 | 210 | 80 | 10 |
| % AT AGE | 0.00 | 1.69 | 27.75 | 10.17 | 22.14 | 6.25 | 22.25 | 8.47 | 1.06 |
| LENGTH - MEAN (mm) | 0.00 | 156.50 | 172.69 | 184.36 | 191.57 | 197.20 | 200.20 | 200.62 | 207.00 |
| - STD. DEV. | 0.00 | 6.91 | 10.65 | 10.70 | 10.32 | 10.43 | 10.30 | 11.11 | 13.30 |
| WEIGHT - MEAN (gm) | 0.00 | 49.38 | 71.17 | 90.21 | 101.25 | 112.27 | 117.31 | 122.00 | 126.70 |
| - STD. DEV. | 0.00 | 7.62 | 16.30 | 18.98 | 18.54 | 20.72 | 22.71 | 27.50 | 33.01 |

| HJORT MATURITY STAGES: | | | | | | | | | |
|------------------------|------|------|------|-------|-------|-------|------|------|---------|
| MATURITY STAGE | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 4 | 3 | 162 | 647 | 183 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.40 | 0.30 | 16.20 | 64.70 | 18.30 | 0.10 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE) : | | | | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|--------|----------|-------|--------|
| SEX RATIO: | | | | | | | | | |
| | IMMATURE | MATURE | SPENT | TOTAL | MALE | FEMALE | IMMATURE | TOTAL | |
| NO. | 96 | 354 | 1 | 451 | NO. | 548 | 451 | 1 | 1000 |
| % | 21.29 | 78.49 | 0.22 | 100.00 | % | 54.80 | 45.10 | 0.10 | 100.00 |
| % SAMPLE WEIGHT | 4.25 | 21.79 | 0.00 | 26.04 | MEAN WEIGHT | 91.90 | 103.78 | 45.00 | 97.21 |
| % SAMP. WT. | | | | | % SAMP. WT. | 51.80 | 48.15 | 0.05 | 100.00 |

Table I3 (cont'd)

SECTION: 72 - POWELL ANCHORAGE
 SAMPLE NUMBERS: 236, 237, 97, 230, 172, 103, 96, 235, 218, 199,
 229, 261, 94, 105,
 SOURCE: TEST FISHERY
 GEAR: HERRING SEINE
 DATE: MAR 13/2002 - MAR 26/2002

| SPECIMENS AT EACH AGE: | | AGE | | | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|-------|
| | | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 89 | 559 | 139 | 163 | 72 | 202 | 90 | 21 | 1 | 64 | 1400 | |
| % AT AGE | 0.00 | 6.66 | 41.84 | 10.40 | 12.20 | 5.39 | 15.12 | 6.74 | 1.57 | 0.07 | 0.00 | 100.00 | |
| LENGTH - MEAN(mm) | 0.00 | 154.82 | 166.25 | 178.58 | 194.26 | 199.85 | 205.10 | 208.44 | 209.48 | 225.00 | 184.69 | 181.59 | |
| - STD. DEV. | 0.00 | 9.74 | 11.46 | 11.97 | 11.13 | 11.88 | 12.56 | 10.42 | 13.85 | 0.00 | 23.18 | 21.60 | |
| WEIGHT - MEAN (gm) | 0.00 | 48.94 | 64.07 | 83.18 | 113.20 | 124.57 | 137.12 | 148.29 | 146.05 | 149.00 | 99.98 | 92.72 | |
| - STD. DEV. | 0.00 | 12.86 | 14.84 | 20.31 | 23.31 | 25.41 | 29.34 | 29.43 | 31.88 | 0.00 | 41.83 | 39.97 | |

| HJORT MATURITY STAGES: | | MATURITY STAGE | | | | | | | | | | |
|------------------------|------|----------------|------|-------|-------|-------|------|------|------|---------|------|--|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | |
| NO. AT STAGE | 6 | 37 | 0 | 162 | 927 | 267 | 1 | 0 | 0 | 1 | 0 | |
| % AT STAGE | 0.43 | 2.64 | 0.00 | 11.57 | 66.21 | 19.07 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | |

| ROE MATURITY (FEMALE) : | | SEX RATIO: | | | | | | | | | |
|-------------------------|-------|------------|--------|--------|-------|-------------|-------|--------|----------|--------|--|
| | | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL | |
| NO. | 122 | 566 | 1 | 689 | | NO. | 673 | 689 | 38 | 1400 | |
| % | 17.71 | 82.15 | 0.15 | 100.00 | | % | 48.07 | 49.21 | 2.71 | 100.00 | |
| % SAMPLE WEIGHT | 3.23 | 24.00 | 0.00 | 27.23 | | MEAN WEIGHT | 87.37 | 100.93 | 38.71 | 92.72 | |
| % SAMP. WT. | | | | | | % SAMP. WT. | 45.30 | 53.57 | 1.13 | 100.00 | |

Table 13 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ |
| NO. AT AGE | 0 | 116 | 541 | 99 | 132 | 54 | 112 | 62 | 16 |
| % AT AGE | 0.00 | 10.23 | 47.71 | 8.73 | 11.64 | 4.76 | 9.88 | 5.47 | 0.18 |
| LENGTH - MEAN (mm) | 0.00 | 155.10 | 165.70 | 179.49 | 194.32 | 199.37 | 207.43 | 210.97 | 226.00 |
| - STD. DEV. | 0.00 | 12.22 | 13.45 | 14.27 | 13.11 | 11.77 | 13.02 | 12.33 | 9.40 |
| WEIGHT - MEAN (gm) | 0.00 | 52.00 | 64.58 | 86.17 | 114.58 | 125.54 | 146.05 | 149.98 | 153.50 |
| - STD. DEV. | 0.00 | 17.67 | 19.80 | 22.03 | 26.94 | 27.73 | 29.15 | 29.56 | 20.72 |
| | | | | | | | | | |

| HJORT MATURITY STAGES: | | | | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|-------|-------|-------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 11 | 26 | 1 | 240 | 803 | 116 | 3 | 0 | 0 |
| % AT STAGE | 0.92 | 2.17 | 0.08 | 20.00 | 66.92 | 9.67 | 0.25 | 0.00 | 0.00 |
| ROE MATURITY (FEMALE) : | | | | | | | | | |
| | IMMATURE | MATURE | SPENT | TOTAL | | | | | |
| NO. | 182 | 423 | 1 | 606 | NO. | | | | |
| % | 30.03 | 69.80 | 0.17 | 100.00 | % | | | | |
| % SAMPLE WEIGHT | 5.02 | 20.57 | 0.00 | 25.59 | MEAN WEIGHT | | | | |
| | | | | | % SAMP. WT. | | | | |
| | | | | | 81.00 | 97.76 | 39.94 | 88.33 | |
| | | | | | | | | | |
| | | | | | | | | | |

Table 13 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ |
| NO. AT AGE | 0 | 9 | 134 | 78 | 173 | 37 | 228 | 88 | 11 |
| % AT AGE | 0.00 | 1.19 | 17.68 | 10.29 | 22.82 | 4.88 | 30.08 | 11.61 | 1.45 |
| LENGTH - MEAN (mm) | 0.00 | 159.33 | 172.91 | 185.74 | 195.97 | 198.89 | 201.57 | 203.73 | 208.55 |
| - STD. DEV. | 0.00 | 9.43 | 9.37 | 9.61 | 8.24 | 9.41 | 10.19 | 8.78 | 6.98 |
| WEIGHT - MEAN (gm) | 0.00 | 61.00 | 72.54 | 91.83 | 108.48 | 114.30 | 122.07 | 125.73 | 130.09 |
| - STD. DEV. | 0.00 | 13.54 | 16.40 | 17.51 | 20.97 | 22.53 | 20.90 | 24.35 | 0.00 |

| HJORT MATURITY STAGES: | | | | | | | | | |
|------------------------|------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 100 | 54.8 | 151 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 12.50 | 68.50 | 18.88 | 0.13 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE) : | | | | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|--------|--------|------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | | | | |
| NO. | 84 | 314 | 0 | 398 | NO. | 402 | 398 | 0 | 800 |
| % | 21.11 | 78.89 | 0.00 | 100.00 | % | 50.25 | 49.75 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 4.55 | 20.90 | 0.00 | 25.46 | MEAN WEIGHT | 100.09 | 112.26 | 0.00 | 106.15 |
| % SAMP. WT. | | | | | % SAMP. WT. | 47.38 | 52.62 | 0.00 | 100.00 |

Table 13 (cont'd)

| SECTION: | 78 - DON PENINSULA | | | | | | | | | | | |
|-------------------------------|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| SAMPLE NUMBERS: | 195, 139, 104, 116, 93, | | | | | | | | | | | |
| SOURCE: | TEST FISHERY | | | | | | | | | | | |
| GEAR: | HERRING SEINE | | | | | | | | | | | |
| DATE: | MAR 20/2002 - MAR 26/2002 | | | | | | | | | | | |
| SPECIMENS AT EACH AGE: | | | | | | | | | | | | |
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 87 | 205 | 43 | 43 | 19 | 48 | 17 | 3 | 1 | 34 | 500 |
| % AT AGE | 0.00 | 18.67 | 43.99 | 9.23 | 9.23 | 4.08 | 10.30 | 3.65 | 0.64 | 0.21 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 147.64 | 163.67 | 177.86 | 192.28 | 195.05 | 207.19 | 215.82 | 208.67 | 207.00 | 170.06 | 172.50 |
| - STD. DEV. | 0.00 | 10.72 | 12.93 | 12.45 | 12.06 | 15.11 | 11.08 | 7.99 | 7.64 | 0.00 | 36.19 | 24.65 |
| WEIGHT - MEAN (gm) | 0.00 | 39.52 | 59.20 | 80.28 | 105.65 | 111.74 | 136.42 | 158.47 | 146.67 | 151.00 | 79.82 | 76.48 |
| - STD. DEV. | 0.00 | 11.28 | 16.43 | 19.83 | 21.07 | 26.48 | 29.44 | 22.18 | 13.58 | 0.00 | 50.88 | 39.95 |

| | | | | | | | | | |
|------------------------|------|-------|------|-------|-------|-------|------|------|---------|
| HJORT MATURITY STAGES: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 5 | 67 | 1 | 64 | 308 | 55 | 0 | 0 | 0 |
| % AT STAGE | 1.00 | 13.40 | 0.20 | 12.80 | 61.60 | 11.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|-------|--------|----------|--------|
| ROE MATURITY (FEMALE) : | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 24 | 170 | 0 | 194 | NO. | 234 | 194 | 72 | 500 |
| % SAMPLE WEIGHT | 12.37 | 87.63 | 0.00 | 100.00 | % | 46.80 | 38.80 | 14.40 | 100.00 |
| % SAMPLE WEIGHT | 1.47 | 25.14 | 0.00 | 26.61 | MEAN WEIGHT | 75.36 | 93.47 | 34.33 | 76.48 |
| % SAMP. WT. | | | | | % SAMP. WT. | 46.11 | 47.42 | 6.46 | 100.00 |

Table 13 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 25 | 250 | 49 | 112 | 34 | 46 | 42 | 2 | 2 | 38 | 600 |
| % AT AGE | 0.00 | 4.45 | 44.48 | 8.72 | 19.93 | 6.05 | 8.19 | 7.47 | 0.36 | 0.00 | 100.00 | |
| LENGTH - MEAN (mm) | 0.00 | 149.80 | 164.55 | 175.88 | 183.83 | 189.56 | 192.37 | 195.12 | 190.50 | 183.50 | 180.92 | 175.34 |
| - STD. DEV. | 0.00 | 12.63 | 13.42 | 17.78 | 11.06 | 13.50 | 12.50 | 16.04 | 27.58 | 12.02 | 21.89 | 18.80 |
| WEIGHT - MEAN (gm) | 0.00 | 43.08 | 62.16 | 79.24 | 90.95 | 101.18 | 107.76 | 109.79 | 100.00 | 78.00 | 91.82 | 79.23 |
| - STD. DEV. | 0.00 | 16.35 | 17.93 | 24.49 | 19.19 | 27.27 | 26.00 | 30.23 | 59.40 | 18.38 | 36.26 | 29.52 |

| HJORT MATURITY STAGES: | | | | | | | | | |
|------------------------|------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1.0 | 12 | 11 | 185 | 327 | 54 | 1 | 0 | 0 |
| % AT STAGE | 1.67 | 2.00 | 1.83 | 30.83 | 54.50 | 9.00 | 0.17 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE) : | | | | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|-------|--------|----------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 127 | 140 | 0 | 267 | NO. | 315 | 267 | 18 | 600 |
| % | 47.57 | 52.43 | 0.00 | 100.00 | % | 52.50 | 44.50 | 3.00 | 100.00 |
| % SAMPLE WEIGHT | 9.26 | 15.84 | 0.00 | 25.10 | MEAN WEIGHT | 77.33 | 84.66 | 31.94 | 79.23 |
| % SAMP. WT. | | | | | % SAMP. WT. | 51.24 | 47.55 | 1.21 | 100.00 |

Table 13 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | AGE | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|--|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL | |
| NO. AT AGE | 0 | 5 | 90 | 11 | 38 | 14 | 14 | 18 | 2 | 0 | 8 | 200 | |
| % AT AGE | 0.00 | 2.60 | 46.88 | 5.73 | 19.79 | 7.29 | 7.29 | 9.38 | 1.04 | 0.00 | 0.00 | 100.00 | |
| LENGTH - MEAN (mm) | 0.00 | 144.80 | 169.62 | 175.27 | 182.87 | 182.43 | 183.29 | 185.00 | 181.00 | 0.00 | 175.87 | 175.43 | |
| - STD. DEV. | 0.00 | 19.20 | 12.09 | 7.42 | 11.65 | 10.83 | 13.19 | 12.61 | 5.66 | 0.00 | 15.92 | 14.43 | |
| WEIGHT - MEAN (gm) | 0.00 | 36.60 | 63.96 | 73.18 | 84.89 | 84.79 | 86.36 | 86.56 | 70.00 | 0.00 | 72.50 | 73.22 | |
| - STD. DEV. | 0.00 | 13.09 | 17.17 | 10.94 | 21.33 | 21.86 | 30.37 | 24.60 | 8.49 | 0.00 | 23.27 | 22.91 | |

| HJORT MATURITY STAGES: | | | | | | | MATURITY STAGE | | | | | | |
|------------------------|------|------|------|-------|-------|------|----------------|------|---------|--|--|--|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | | | |
| NO. AT STAGE | 2 | 5 | 1 | 67 | 114 | 11 | 0 | 0 | 0 | | | | |
| % AT STAGE | 1.00 | 2.50 | 0.50 | 33.50 | 57.00 | 5.50 | 0.00 | 0.00 | 0.00 | | | | |

| ROE MATURITY (FEMALE) : | | | | | | | SEX RATIO: | | | | | | |
|-------------------------|----------|--------|-------|--------|--|-------------|------------|----------|-------|--|--|--|--|
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL | | | | |
| NO. | 39 | 42 | 0 | 81 | | NO. | | | | | | | |
| % | 48.15 | 51.85 | 0.00 | 100.00 | | % | | | | | | | |
| % SAMPLE WEIGHT | 7.46 | 13.73 | 0.00 | 21.19 | | MEAN WEIGHT | | | | | | | |
| % SAMP. WT. | | | | | | % SAMP. WT. | | | | | | | |

Table 13 (cont'd)

| | | SECTION: 93 - RIVERS INLET HEAD | | | | | |
|------------------------|--|---------------------------------|--------|--------|--------|--------|--------|
| | | SAMPLE NUMBERS: 98, | | | | | |
| | | SOURCE: TEST FISHERY | | | | | |
| | | GEAR: HERRING SEINE | | | | | |
| | | DATE: MAR 14/2002 | | | | | |
| SPECIMENS AT EACH AGE: | | AGE | | | | | |
| NO. AT AGE | | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ |
| % AT AGE | | 0 | 8 | 61 | 4 | 3 | 5 |
| 0.00 | | 8.89 | 67.78 | 4.44 | 3.33 | 5.56 | 4.44 |
| LENGTH - MEAN (mm) | | 0.00 | 124.12 | 143.33 | 147.25 | 166.67 | 165.60 |
| - STD. DEV. | | 0.00 | 15.53 | 12.74 | 11.93 | 7.02 | 10.31 |
| WEIGHT - MEAN (gm) | | 0.00 | 23.88 | 37.70 | 41.50 | 54.67 | 61.80 |
| - STD. DEV. | | 0.00 | 11.42 | 15.38 | 10.54 | 4.51 | 9.91 |
| HJORT MATURITY STAGES: | | MATURITY STAGE | | | | | |
| NO. AT STAGE | | 1 | 2 | 3 | 4 | 5 | 6 |
| % AT STAGE | | 0 | 0 | 0 | 13 | 76 | 11 |
| 0.00 | | 0.00 | 0.00 | 13.00 | 76.00 | 11.00 | 0.00 |

| | | SEX RATIO: | | | | | | | |
|-----------------|--|------------|--------|-------|--------|-------------|--------|----------|--------|
| | | IMMATURE | MATURE | SPENT | TOTAL | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | | 7 | 33 | 0 | 40 | 60 | 40 | 0 | 100 |
| % | | 17.50 | 82.50 | 0.00 | 100.00 | 60.00 | 40.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | | 2.52 | 18.79 | 0.00 | 21.31 | MEAN WEIGHT | 38.27 | 44.70 | 40.84 |
| % SAMP. WT. | | | | | | % SAMP. WT. | 56.22 | 43.78 | 0.00 |
| | | | | | | | | | 100.00 |

Table 13 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | | AGE | | | | |
|-------------------------|----------|--------|--------|--------|-------------|--------|--------|--------|---------|----------------|---------|----------|--------|--|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL | | |
| NO. AT AGE | 0 | 6 | 51 | 12 | 20 | 35 | 25 | 26 | 8 | 2 | 15 | 200 | | |
| % AT AGE | 0.00 | 3.24 | 27.57 | 6.49 | 10.81 | 18.92 | 13.51 | 14.05 | 4.32 | 1.08 | 0.00 | 100.00 | | |
| LENGTH - MEAN (mm) | 0.00 | 146.50 | 164.12 | 172.17 | 178.70 | 176.40 | 180.84 | 179.85 | 183.75 | 168.50 | 171.47 | 173.20 | | |
| - STD. DEV. | 0.00 | 17.11 | 13.10 | 15.21 | 14.84 | 10.39 | 13.05 | 11.04 | 15.02 | 17.68 | 15.27 | 15.17 | | |
| WEIGHT - MEAN (gm) | 0.00 | 41.00 | 63.29 | 75.92 | 85.50 | 82.46 | 88.24 | 86.19 | 98.88 | 93.50 | 76.67 | 77.78 | | |
| - STD. DEV. | 0.00 | 14.25 | 15.97 | 18.35 | 25.15 | 17.99 | 21.07 | 16.07 | 27.62 | 26.16 | 20.73 | 22.32 | | |
| HJORT MATURITY STAGES: | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | MATURITY STAGE | | | | |
| NO. AT STAGE | 2 | 0 | 0 | 81 | 99 | 18 | 0 | 0 | 0 | 104 | 94 | 2 | 200 | |
| % AT STAGE | 1.00 | 0.00 | 0.00 | 40.50 | 49.50 | 9.00 | 0.00 | 0.00 | 0.00 | 52.00 | 47.00 | 1.00 | 100.00 | |
| ROE MATURITY (FEMALE) : | | | | | | | | | | | | | | |
| | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | | | | | MALE | FEMALE | IMMATURE | TOTAL | |
| NO. | 42 | 52 | 0 | 94 | NO. | | | | | 104 | 94 | 2 | 200 | |
| % | 44.68 | 55.32 | 0.00 | 100.00 | % | | | | | 52.00 | 47.00 | 1.00 | 100.00 | |
| % SAMPLE WEIGHT | 9.93 | 12.97 | 0.00 | 22.90 | MEAN WEIGHT | | | | | 77.52 | 79.17 | 26.00 | 77.78 | |
| % SAMP. WT. | | | | | % SAMP. WT. | | | | | 51.83 | 47.84 | 0.33 | 100.00 | |

Table 13 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | | AGE | | | | TOTAL | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|--------|-------|--|--|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | | | | | |
| NO. AT AGE | 0 | 269 | 1749 | 866 | 364 | 67 | 57 | 12 | 0 | 0 | 0 | 216 | 3600 | | | |
| % AT AGE | 0.00 | 7.95 | 51.68 | 25.59 | 10.76 | 1.98 | 1.68 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | | | |
| LENGTH - MEAN (mm) | 0.00 | 152.54 | 177.22 | 186.61 | 192.04 | 199.78 | 202.91 | 204.33 | 0.00 | 0.00 | 0.00 | 177.42 | 180.06 | | | |
| - STD. DEV. | 0.00 | 12.57 | 12.83 | 10.47 | 11.65 | 12.30 | 11.42 | 16.91 | 0.00 | 0.00 | 0.00 | 19.38 | 16.23 | | | |
| WEIGHT - MEAN (gm) | 0.00 | 48.09 | 77.56 | 95.05 | 106.66 | 122.85 | 130.39 | 133.42 | 0.00 | 0.00 | 0.00 | 81.56 | 84.62 | | | |
| - STD. DEV. | 0.00 | 14.13 | 18.25 | 18.53 | 21.48 | 25.76 | 20.99 | 32.71 | 0.00 | 0.00 | 0.00 | 29.92 | 25.49 | | | |

| HJORT MATURITY STAGES: | | | | | | | | | | MATURITY STAGE | | | | TOTAL | | |
|------------------------|------|------|------|-------|-------|-------|------|------|---------|----------------|--|--|--|-------|--|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | | | | | | |
| NO. AT STAGE | 17 | 160 | 16 | 710 | 2276 | 403 | 13 | 5 | 0 | | | | | | | |
| % AT STAGE | 0.47 | 4.44 | 0.44 | 19.72 | 63.22 | 11.19 | 0.36 | 0.14 | 0.00 | | | | | | | |

| ROE MATURITY (FEMALE) : | | | | | | | | | | SEX RATIO: | | | | TOTAL | | | |
|-------------------------|----------|--------|-------|--------|--|--|--|--|--|-------------|--------|----------|--------|--------|--|--|--|
| | IMMATURE | MATURE | SPENT | TOTAL | | | | | | MALE | FEMALE | IMMATURE | | | | | |
| NO. | 356 | 1319 | 7 | 1682 | | | | | | 1767 | 1682 | 151 | 3600 | | | | |
| % | 21.17 | 78.42 | 0.42 | 100.00 | | | | | | 49.08 | 46.72 | 4.19 | 100.00 | | | | |
| % SAMPLE WEIGHT | 3.29 | 22.83 | 0.01 | 26.13 | | | | | | MEAN WEIGHT | 82.11 | 91.20 | 40.63 | 84.62 | | | |
| | | | | | | | | | | % SAMP. WT. | 47.63 | 50.36 | 2.01 | 100.00 | | | |

Table 13 (cont'd)

SECTION: 143 - QUALICUM
 SAMPLE NUMBERS: 33, 210, 215, 8, 54, 6, 184, 55, 99, 211,
 26, 24, 23,
 SOURCE: TEST FISHERY
 GEAR: HERRING SEINE
 DATE: FEB 24/2002 - MAR 17/2002

| SPECIMENS AT EACH AGE: | | AGE | | | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|---------|-------|
| | | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 90 | 631 | 287 | 135 | 37 | 33 | 5 | 4 | 0 | 78 | 1300 | |
| % AT AGE | 0.00 | 7.36 | 51.64 | 23.49 | 11.05 | 3.03 | 2.70 | 0.41 | 0.33 | 0.00 | 0.00 | 100.00 | |
| LENGTH - MEAN (mm) | 0.00 | 156.91 | 178.94 | 187.97 | 195.50 | 205.92 | 203.76 | 220.00 | 215.25 | 0.00 | 180.53 | 182.89 | |
| - STD. DEV. | 0.00 | 13.58 | 10.74 | 10.14 | 11.10 | 10.37 | 10.48 | 10.34 | 11.00 | 0.00 | 17.53 | 15.49 | |
| WEIGHT - MEAN (gm) | 0.00 | 51.08 | 78.68 | 95.22 | 109.48 | 138.57 | 133.76 | 148.00 | 167.75 | 0.00 | 84.90 | 87.64 | |
| - STD. DEV. | 0.00 | 14.05 | 16.73 | 18.52 | 19.52 | 23.41 | 23.46 | 17.61 | 34.68 | 0.00 | 29.36 | 26.53 | |

| HJORT MATURITY STAGES: | | MATURITY STAGE | | | | | | | | | | |
|------------------------|------|----------------|------|-------|-------|------|------|------|------|---------|--|--|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | |
| NO. AT STAGE | 5 | 18 | 2 | 355 | 807 | 99 | 10 | 4 | 0 | | | |
| % AT STAGE | 0.38 | 1.38 | 0.15 | 27.31 | 62.08 | 7.62 | 0.77 | 0.31 | 0.00 | | | |

| ROE MATURITY (FEMALE): | | SEX RATIO: | | | | | | | | MALE | FEMALE | IMMATURE | TOTAL |
|------------------------|-------|------------|--------|--------|-------|-----|-----|-----|-----|-------|--------|----------|--------|
| | | IMMATURE | MATURE | SPENT | TOTAL | NO. | NO. | NO. | NO. | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 174 | 435 | 6 | 615 | | | | | | 662 | 615 | 23 | 1300 |
| % | 28.29 | 70.73 | 0.98 | 100.00 | | | | | | 50.92 | 47.31 | 1.77 | 100.00 |
| % SAMPLE WEIGHT | 5.56 | 19.49 | 0.00 | 25.05 | | | | | | 83.32 | 93.78 | 47.61 | 87.64 |
| % SAMP. WT. | | | | | | | | | | 48.42 | 50.62 | 0.96 | 100.00 |

Table 13 (cont'd)

| | | SECTION: 152 - POWELL RIVER | | | | | |
|------------------------|--|-----------------------------|--------|--------|------|------|----------------|
| SAMPLE NUMBERS: | | 9, | | | | | |
| SOURCE: | | TEST FISHERY | | | | | |
| GEAR: | | HERRING SEINE | | | | | |
| DATE: | | FEB 26/2002 | | | | | |
| SPECIMENS AT EACH AGE: | | 0+ | 1+ | 2+ | 3+ | 4+ | AGE |
| NO. AT AGE | | 54 | 25 | 9 | 0 | 0 | 6+ |
| % AT AGE | | 61.36 | 28.41 | 10.23 | 0.00 | 0.00 | 5+ |
| LENGTH - MEAN (mm) | | 104.19 | 135.72 | 137.78 | 0.00 | 0.00 | 7+ |
| - STD. DEV. | | 5.77 | 12.50 | 16.31 | 0.00 | 0.00 | 8+ |
| WEIGHT - MEAN (gm) | | 13.80 | 34.16 | 34.56 | 0.00 | 0.00 | 9+ |
| - STD. DEV. | | 2.54 | 9.01 | 13.32 | 0.00 | 0.00 | UNKNOWN |
| HJORT MATURITY STAGES: | | 1 | 2 | 3 | 4 | 5 | MATURITY STAGE |
| NO. AT STAGE | | 79 | 10 | 0 | 6 | 5 | 6 |
| % AT STAGE | | 79.00 | 10.00 | 0.00 | 6.00 | 5.00 | 7 |
| | | | | | 0.00 | 0.00 | 8 |
| | | | | | | 0.00 | UNKNOWN |

| | | ROE MATURITY (FEMALE) : | | | | | |
|-----------------|--|-------------------------|--------|-------|--------|-------------|--|
| | | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | |
| NO. | | 4 | 0 | 0 | 4 | NO. | |
| % | | 100.00 | 0.00 | 0.00 | 100.00 | % | |
| % SAMPLE WEIGHT | | 16.22 | 0.00 | 0.00 | 16.22 | MEAN WEIGHT | |
| % SAMP. WT. | | | | | | % SAMP. WT. | |

Table 13 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | |
|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ |
| NO. AT AGE | 1 | 65 | 301 | 118 | 45 | 7 | 9 | 2 | 1 |
| % AT AGE | 0.18 | 11.84 | 54.83 | 21.49 | 8.20 | 1.28 | 1.64 | 0.36 | 0.00 |
| LENGTH - MEAN (mm) | 109.00 | 153.91 | 175.71 | 184.14 | 193.20 | 197.43 | 192.44 | 214.00 | 222.00 |
| - STD. DEV. | 0.00 | 16.34 | 15.71 | 16.08 | 15.03 | 13.69 | 25.20 | 1.41 | 0.00 |
| WEIGHT - MEAN (gm) | 15.00 | 49.94 | 75.24 | 90.56 | 104.71 | 121.86 | 113.33 | 153.50 | 172.00 |
| - STD. DEV. | 0.00 | 16.95 | 19.15 | 24.13 | 21.66 | 26.62 | 39.68 | 2.12 | 0.00 |

| HJORT MATURITY STAGES: | | | | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|-------|-------|-------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 6 | 30 | 3 | 161 | 253 | 147 | 0 | 0 | 0 |
| % AT STAGE | 1.00 | 5.00 | 0.50 | 26.83 | 42.17 | 24.50 | 0.00 | 0.00 | 0.00 |
| ROE MATURITY (FEMALE) : | | | | | | | | | |
| | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | | | | |
| NO. | 105 | 183 | 0 | 288 | NO. | | | | |
| % | 36.46 | 63.54 | 0.00 | 100.00 | % | 280 | 288 | 32 | 600 |
| % SAMPLE WEIGHT | 6.66 | 16.04 | 0.00 | 22.70 | MEAN WEIGHT | 46.67 | 48.00 | 5.33 | 100.00 |
| | | | | | % SAMP. WT. | 45.82 | 51.57 | 38.13 | 78.06 |
| | | | | | | | | 2.60 | 100.00 |

Table 13 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ |
| NO. AT AGE | 0 | 17 | 101 | 45 | 7 | 3 |
| % AT AGE | 0.00 | 9.71 | 57.71 | 25.71 | 4.00 | 1.71 |
| LENGTH - MEAN (mm) | 0.00 | 166.06 | 179.76 | 190.36 | 186.29 | 197.00 |
| - STD. DEV. | 0.00 | 6.77 | 10.93 | 8.64 | 14.49 | 9.64 |
| WEIGHT - MEAN (gm) | 0.00 | 59.18 | 79.14 | 94.53 | 87.29 | 118.33 |
| - STD. DEV. | 0.00 | 7.27 | 16.31 | 14.89 | 18.74 | 13.20 |
| AGE | | | | | | |
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ |
| NO. AT AGE | 0 | 17 | 101 | 45 | 7 | 3 |
| % AT AGE | 0.00 | 9.71 | 57.71 | 25.71 | 4.00 | 1.71 |
| LENGTH - MEAN (mm) | 0.00 | 166.06 | 179.76 | 190.36 | 186.29 | 197.00 |
| - STD. DEV. | 0.00 | 6.77 | 10.93 | 8.64 | 14.49 | 9.64 |
| WEIGHT - MEAN (gm) | 0.00 | 59.18 | 79.14 | 94.53 | 87.29 | 118.33 |
| - STD. DEV. | 0.00 | 7.27 | 16.31 | 14.89 | 18.74 | 13.20 |
| AGE | | | | | | |
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ |
| NO. AT AGE | 0 | 17 | 101 | 45 | 7 | 3 |
| % AT AGE | 0.00 | 9.71 | 57.71 | 25.71 | 4.00 | 1.71 |
| LENGTH - MEAN (mm) | 0.00 | 166.06 | 179.76 | 190.36 | 186.29 | 197.00 |
| - STD. DEV. | 0.00 | 6.77 | 10.93 | 8.64 | 14.49 | 9.64 |
| WEIGHT - MEAN (gm) | 0.00 | 59.18 | 79.14 | 94.53 | 87.29 | 118.33 |
| - STD. DEV. | 0.00 | 7.27 | 16.31 | 14.89 | 18.74 | 13.20 |

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| HJORT MATURITY STAGES: | | | | | | |
|------------------------|-------|--------|----------|--------|-------------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| NO. AT STAGE | 0 | 4 | 1 | 111 | 77 | 7 |
| % AT STAGE | 0.00 | 2.00 | 0.50 | 55.50 | 38.50 | 3.50 |
| MATURITY STAGE | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 |
| NO. AT STAGE | 0 | 4 | 1 | 111 | 77 | 7 |
| % AT STAGE | 0.00 | 2.00 | 0.50 | 55.50 | 38.50 | 3.50 |
| SEX RATIO: | | | | | | |
| | MALE | FEMALE | IMMATURE | TOTAL | | |
| NO. | 65 | 36 | 0 | 101 | NO. | |
| % | 64.36 | 35.64 | 0.00 | 100.00 | % | |
| SAMPLE WEIGHT | 11.49 | 10.93 | 0.00 | 22.42 | MEAN WEIGHT | |
| % SAMP. WT. | | | | | % | |

Table 13 (cont'd)

| SAMPLE NUMBERS: | 65, 63, 60, 49, 58, 66, 61, 52, 43, 47, 59, 67, 62, 42, 57, 64, 68, 41, 46, 38, 37, | SECTION: 232 - MACOAH PASS | | | | | | | | | | | |
|------------------------|---|----------------------------|--------|--------|--------|--------|--------|--------|---------|-------------|--------|----------------|-------------|
| SOURCE: | TEST FISHERY | | | | | | | | | | | | |
| GEAR: | HERRING SEINE | | | | | | | | | | | | |
| DATE: | FEB 22/2002 - MAR 23/2002 | | | | | | | | | | | | |
| SPECIMENS AT EACH AGE: | | | | | | | | | | | | | |
| AGE | | | | | | | | | | | | | |
| | 0+ | 1+ | | | | | | | | | | | |
| | 2+ | 3+ | | | | | | | | | | | |
| | 4+ | 5+ | | | | | | | | | | | |
| | 6+ | 7+ | | | | | | | | | | | |
| | 8+ | 9+ | | | | | | | | | | | |
| | UNKNOWN | TOTAL | | | | | | | | | | | |
| NO. AT AGE | 0 | 146 | 1103 | 456 | 99 | 57 | 40 | 20 | 4 | 1 | 174 | 2100 | |
| % AT AGE | 0.00 | 7.58 | 57.27 | 23.68 | 5.14 | 2.96 | 2.08 | 1.04 | 0.21 | 0.05 | 0.00 | 100.00 | |
| LENGTH - MEAN (mm) | 0.00 | 166.81 | 180.34 | 188.77 | 198.12 | 209.40 | 215.37 | 220.35 | 226.25 | 244.00 | 183.02 | 184.24 | |
| - STD. DEV. | 0.00 | 9.10 | 9.60 | 10.98 | 10.82 | 11.01 | 10.11 | 7.39 | 8.50 | 0.00 | 15.96 | 14.43 | |
| WEIGHT - MEAN (gm) | 0.00 | 64.92 | 82.83 | 98.03 | 114.45 | 141.12 | 150.48 | 160.65 | 175.75 | 218.00 | 89.02 | 90.74 | |
| - STD. DEV. | 0.00 | 13.09 | 14.82 | 19.96 | 22.14 | 25.38 | 25.14 | 26.69 | 7.63 | 0.00 | 27.46 | 25.63 | |
| HJORT MATURITY STAGES: | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | | | |
| NO. AT STAGE | 2 | 7 | 14 | 325 | 1440 | 256 | 44 | 12 | 0 | | | | |
| % AT STAGE | 0.10 | 0.33 | 0.67 | 15.48 | 68.57 | 12.19 | 2.10 | 0.57 | 0.00 | | | | |
| ROE MATURITY (FEMALE): | | | | | | | | | | | | | |
| | IMMATURE | MATURE | SPENT | TOTAL | | | | | | MALE | FEMALE | IMMATURE TOTAL | |
| NO. | 202 | 809 | 7 | 1018 | | | | | | NO. | 1077 | 1018 | 5 2100 |
| % | 19.84 | 79.47 | 0.69 | 100.00 | | | | | | % | 51.29 | 48.48 | 0.24 100.00 |
| % SAMPLE WEIGHT | 3.35 | 22.09 | 0.00 | 25.43 | | | | | | MEAN WEIGHT | 85.27 | 96.69 | 58.80 90.74 |
| | | | | | | | | | | % SAMP. WT. | 48.19 | 51.65 | 0.15 100.00 |

Table 13 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|------|------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ |
| NO. AT AGE | 0 | 17 | 55 | 14 | 2 | 1 | 1 | 0 | 0 |
| % AT AGE | 0.00 | 18.89 | 61.11 | 15.56 | 2.22 | 1.11 | 1.11 | 0.00 | 0.00 |
| LENGTH - MEAN (mm) | 0.00 | 168.06 | 177.87 | 184.79 | 196.50 | 223.00 | 207.00 | 0.00 | 0.00 |
| - STD. DEV. | 0.00 | 6.84 | 9.24 | 7.83 | 10.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| WEIGHT - MEAN (gm) | 0.00 | 67.76 | 82.60 | 93.93 | 122.00 | 176.00 | 127.00 | 0.00 | 0.00 |
| - STD. DEV. | 0.00 | 9.55 | 15.88 | 16.14 | 15.56 | 0.00 | 0.00 | 0.00 | 0.00 |

| HJORT MATURITY STAGES: | | | | | | | | | |
|------------------------|------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 1 | 0 | 5 | 71 | 23 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 1.00 | 0.00 | 5.00 | 71.00 | 23.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE) : | | | | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|-------|-------|------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | | | | |
| NO. | 2 | 50 | 0 | 52 | NO. | | | | |
| % | 3.85 | 96.15 | 0.00 | 100.00 | 48 | 52 | 0 | 0 | 100 |
| % SAMPLE WEIGHT | 0.65 | 23.91 | 0.00 | 24.56 | 48.00 | 52.00 | 0.00 | 0.00 | 100.00 |
| | | | | | MEAN WEIGHT | 77.94 | 88.56 | 0.00 | 83.46 |
| | | | | | % SAMP. WT. | 44.82 | 55.18 | 0.00 | 100.00 |

Table 13 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ |
| NO. AT AGE | 0 | 76 | 215 | 99 | 22 | 9 | 25 | 1 | 0 |
| % AT AGE | 0.00 | 16.67 | 47.15 | 21.71 | 4.82 | 1.97 | 5.48 | 0.22 | 0.00 |
| LENGTH - MEAN (mm) | 0.00 | 159.03 | 176.32 | 185.21 | 198.95 | 208.00 | 217.33 | 223.12 | 238.00 |
| - STD. DEV. | 0.00 | 9.76 | 10.35 | 12.14 | 10.54 | 15.87 | 7.70 | 7.69 | 0.00 |
| WEIGHT - MEAN (gm) | 0.00 | 58.12 | 79.57 | 95.71 | 124.05 | 141.67 | 155.00 | 180.32 | 196.00 |
| - STD. DEV. | 0.00 | 11.97 | 15.69 | 20.79 | 27.14 | 31.17 | 20.24 | 20.27 | 0.00 |

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| HJORT MATURITY STAGES: | | | | | | | | | |
|------------------------|------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 1 | 2 | 52 | 340 | 102 | 3 | 0 | 0 |
| % AT STAGE | 0.00 | 0.20 | 0.40 | 10.40 | 68.00 | 20.40 | 0.60 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE) : | | | | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|--------|----------|------------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | MALE | FEMALE | IMMATURE | SEX RATIO: | TOTAL |
| NO. | 18 | 208 | 1 | 227 | NO. | 272 | 227 | | 500 |
| % | 7.93 | 91.63 | 0.44 | 100.00 | % | 54.40 | 45.40 | 0.20 | 100.00 |
| % SAMPLE WEIGHT | 1.07 | 26.04 | 0.00 | 27.11 | MEAN WEIGHT | 83.20 | 98.93 | 39.00 | 90.25 |
| % SAMP. WT. | | | | | % SAMP. WT. | 50.15 | 49.76 | 0.09 | 100.00 |

Table 13 (cont'd)

| | | SECTION: 245 - VARGAS ISLAND | | | | | |
|-------------------------------|--------|------------------------------|--------|------|------|------|------|
| | | SAMPLE NUMBERS: 260, | | | | | |
| | | SOURCE: TEST FISHERY | | | | | |
| | | GEAR: HERRING SEINE | | | | | |
| | | DATE: MAR 21/2002 | | | | | |
| SPECIMENS AT EACH AGE: | | 0+ | 1+ | 2+ | 3+ | 4+ | AGE |
| NO. AT AGE | 39 | 19 | 4 | 0 | 0 | 0 | 0 |
| % AT AGE | 62.90 | 30.65 | 6.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| LENGTH - MEAN (mm) | 120.10 | 136.42 | 148.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| - STD. DEV. | 8.76 | 12.92 | 15.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| WEIGHT - MEAN (gm) | 21.00 | 33.89 | 51.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - STD. DEV. | 5.02 | 9.73 | 17.96 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | MATURITY STAGE | | | | | |
|--------------|-------|----------------|------|------|------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| NO. AT STAGE | 90 | 0 | 4 | 2 | 4 | 0 | 0 |
| % AT STAGE | 90.00 | 0.00 | 4.00 | 2.00 | 4.00 | 0.00 | 0.00 |

| | | SEX RATIO: | | | | | |
|-----------------|-------|------------|--------|--------|-------|-------|--------|
| | | IMMATURE | MATURE | SPENT | TOTAL | | |
| NO. | 4 | 1 | 0 | 5 | | | |
| % | 80.00 | 20.00 | 0.00 | 100.00 | | | |
| % SAMPLE WEIGHT | 0.00 | 8.82 | 0.00 | 8.82 | | | |
| MEAN WEIGHT | | | | | 48.00 | 47.60 | 22.36 |
| % SAMP. WT. | | | | | | 9.64 | 9.56 |
| | | | | | | 80.80 | 100.00 |
| | | | | | | | |

Table 13 (cont'd)

| SECTION: | | 251 - OTHER AREA 25 | | | |
|------------------------|-------|--------------------------|--------|--|--|
| SAMPLE NUMBERS: | | 205, 141, | | | |
| SOURCE: | | TEST FISHERY | | | |
| GEAR: | | HERRING SEINE | | | |
| DATE: | | MAR 6/2002 - MAR 10/2002 | | | |
| SPECIMENS AT EACH AGE: | | | | | |
| AGE | | | | | |
| 0+ | 1+ | 2+ | 3+ | | |
| NO. AT AGE | 52 | 6 | 26 | | |
| % AT AGE | 35.37 | 4.08 | 25.17 | | |
| LENGTH - MEAN (mm) | 98.87 | 161.83 | 181.19 | | |
| - STD. DEV. | 5.55 | 29.57 | 11.53 | | |
| WEIGHT - MEAN (gm) | 10.23 | 61.17 | 89.32 | | |
| - STD. DEV. | 1.80 | 27.80 | 17.92 | | |
| NO. AT AGE | 52 | 6 | 26 | | |
| % AT AGE | 35.37 | 4.08 | 25.17 | | |
| LENGTH - MEAN (mm) | 98.87 | 161.83 | 181.19 | | |
| - STD. DEV. | 5.55 | 29.57 | 11.53 | | |
| WEIGHT - MEAN (gm) | 10.23 | 61.17 | 89.32 | | |
| - STD. DEV. | 1.80 | 27.80 | 17.92 | | |

| HJORT MATURITY STAGES: | | MATURITY STAGE | | | | | | SEX RATIO: | | |
|------------------------|-------|----------------|------|------|-------|------|------|------------|------|---------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 99 | 0 | 1 | 6 | 79 | 14 | 0 | 1 | 0 | |
| % AT STAGE | 49.50 | 0.00 | 0.50 | 3.00 | 39.50 | 7.00 | 0.00 | 0.50 | 0.00 | |

| ROE MATURITY (FEMALE) : | | IMMATURE | | | MATURE | | | SPENT | | TOTAL | | SEX RATIO: | | |
|-------------------------|-------|----------|--------|-------|--------|-------------|---|-------|--------|----------|-------|------------|-------|--|
| NO. | % | IMMATURE | MATURE | SPENT | TOTAL | NO. | % | MALE | FEMALE | IMMATURE | TOTAL | NO. | % | |
| 1 | 42 | 0 | 43 | | | NO. | | | | | | 58 | 43 | |
| 2.33 | 97.67 | 0.00 | 100.00 | | | % | | | | | | 29.00 | 49.50 | |
| 0.44 | 30.85 | 0.00 | 31.30 | | | MEAN WEIGHT | | | | | | | | |
| | | | | | | % SAMP. WT. | | | | | | | | |
| | | | | | | % SAMP. WT. | | | | | | | | |

Table 13 (cont'd)

| | | AGE | | | | | | | | | | | |
|------------------------|--------------------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| SPECIMENS AT EACH AGE: | | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | SECTION: 252 - NOOTKA SOUND | 0 | 13 | 110 | 40 | 17 | 4 | 5 | 1 | 0 | 0 | 10 | 200 |
| % AT AGE | SAMPLE NUMBERS: 167, 269, | 0.00 | 6.84 | 57.89 | 21.05 | 8.95 | 2.11 | 2.63 | 0.53 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | SOURCE: TEST FISHERY | 0.00 | 162.92 | 178.51 | 189.37 | 203.12 | 207.00 | 218.00 | 225.00 | 0.00 | 0.00 | 180.10 | 183.63 |
| - STD. DEV. | GEAR: HERRING SEINE | 0.00 | 10.31 | 9.26 | 10.46 | 10.37 | 2.58 | 4.80 | 0.00 | 0.00 | 0.00 | 8.33 | 14.79 |
| WEIGHT - MEAN (gm) | DATE: MAR 8/2002 - MAR 18/2002 | 0.00 | 63.46 | 86.56 | 105.00 | 135.35 | 139.75 | 166.00 | 184.00 | 0.00 | 0.00 | 85.10 | 96.36 |
| - STD. DEV. | | 0.00 | 10.38 | 14.85 | 19.79 | 23.55 | 28.28 | 13.27 | 0.00 | 0.00 | 0.00 | 15.15 | 27.35 |

| | | MATURITY STAGE | | | | | | | | | | | |
|------------------------|--|----------------|------|------|------|-------|-------|------|------|---------|------|--|--|
| HJORT MATURITY STAGES: | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | | |
| NO. AT STAGE | | 0 | 0 | 0 | 4 | 144 | 52 | 0 | 0 | 0 | 0 | | |
| % AT STAGE | | 0.00 | 0.00 | 0.00 | 2.00 | 72.00 | 26.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |

| | | SEX RATIO: | | | | | | | | |
|-------------------------|--|------------|--------|-------|--------|-------------|--------|----------|--------|--------|
| ROE MATURITY (FEMALE) : | | IMMATURE | MATURE | SPENT | TOTAL | MALE | FEMALE | IMMATURE | TOTAL | |
| NO. | | 0 | 89 | 0 | 89 | 111 | 89 | 0 | 200 | |
| % | | 0.00 | 100.00 | 0.00 | 100.00 | 55.50 | 44.50 | 0.00 | 100.00 | |
| % SAMPLE WEIGHT | | 0.00 | 27.40 | 0.00 | 27.40 | MEAN WEIGHT | 91.29 | 102.69 | 0.00 | 96.36 |
| % SAMP. WT. | | | | | | % SAMP. WT. | 52.58 | 47.42 | 0.00 | 100.00 |

Table 13 (cont'd)

| | | | | | | | | |
|-------------------------------|---|--------|--------|--------|--------|--------|--------|-----------|
| SECTION: | 253 - ESPERANZA INLET | | | | | | | |
| SAMPLE NUMBERS: | 170, 173, 263, 241, 171, 271, 267, 272, 165, 204, 197, 258, 264, 270, 192, 146, 206, 159, 168, 147, 233, 145, 189, 268, | | | | | | | |
| SOURCE: | TEST FISHERY | | | | | | | |
| GEAR: | HERRING SEINE | | | | | | | |
| DATE: | FEB 26/2002 - MAR 22/2002 | | | | | | | |
| <u>SPECIMENS AT EACH AGE:</u> | | | | | | | | |
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ |
| NO. AT AGE | 0 | 91 | 1138 | 501 | 218 | 66 | 95 | 82 |
| % AT AGE | 0.00 | 4.14 | 51.75 | 22.78 | 9.91 | 3.00 | 4.32 | 3.73 |
| LENGTH - MEAN (mm) | 0.00 | 163.60 | 180.57 | 192.99 | 202.34 | 208.39 | 215.08 | 218.79 |
| - STD. DEV. | 0.00 | 14.97 | 9.86 | 10.85 | 10.08 | 9.29 | 11.88 | 10.85 |
| WEIGHT - MEAN (gm) | 0.00 | 64.24 | 85.62 | 109.47 | 129.16 | 146.67 | 155.91 | 169.49 |
| - STD. DEV. | 0.00 | 18.88 | 16.59 | 21.44 | 22.50 | 25.02 | 30.86 | 28.15 |
| <u>HJORT MATURITY STAGES:</u> | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 UNKNOWN |
| NO. AT STAGE | 0 | 1 | 6 | 199 | 1833 | 353 | 6 | 0 |
| % AT STAGE | 0.00 | 0.04 | 0.25 | 8.30 | 76.44 | 14.72 | 0.25 | 0.00 |

| | | | | |
|-----------------|------|--------|----------|--------|
| SEX RATIO: | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 108 | 1101 | 1 | 1210 |
| % | 8.93 | 90.99 | 0.08 | 100.00 |
| % SAMPLE WEIGHT | 1.64 | 26.95 | 0.00 | 28.58 |
| MEAN WEIGHT | | | 95.86 | 110.17 |
| % SAMP. WT. | | | 46.07 | 53.93 |
| | | | 0.00 | 100.00 |

Table 13 (cont'd)

| SECTION: | 272 - BROOKS BAY | | | | | | | | | | | |
|------------------------|-------------------------|--------|--------|--------|--------|--------|------|--------|------|------|---------|--------|
| SAMPLE NUMBERS: | 14, 20, | | | | | | | | | | | |
| SOURCE: | TEST FISHERY | | | | | | | | | | | |
| GEAR: | HERRING SEINE | | | | | | | | | | | |
| DATE: | MAR 2/2002 - MAR 8/2002 | | | | | | | | | | | |
| SPECIMENS AT EACH AGE: | | | | | | | | | | | | |
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 20 | 114 | 34 | 19 | 1 | 0 | 2 | 0 | 0 | 10 | 200 |
| % AT AGE | 0.00 | 10.53 | 60.00 | 17.89 | 10.00 | 0.53 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 174.30 | 179.69 | 182.91 | 199.89 | 172.00 | 0.00 | 215.50 | 0.00 | 0.00 | 182.50 | 182.08 |
| - STD. DEV. | 0.00 | 8.69 | 11.52 | 11.80 | 14.32 | 0.00 | 0.00 | 6.36 | 0.00 | 0.00 | 19.17 | 13.88 |
| WEIGHT - MEAN (gm) | 0.00 | 81.10 | 90.47 | 97.26 | 126.16 | 93.00 | 0.00 | 145.50 | 0.00 | 0.00 | 93.80 | 94.81 |
| - STD. DEV. | 0.00 | 17.51 | 21.93 | 18.51 | 26.55 | 0.00 | 0.00 | 50.20 | 0.00 | 0.00 | 38.46 | 25.55 |

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| | | | | | | | | |
|------------------------|------|----------------|------|-------|-------|------|------|---------|
| HJORT MATURITY STAGES: | | MATURITY STAGE | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 1 | 5 | 55 | 132 | 7 | 0 | 0 |
| % AT STAGE | 0.00 | 0.50 | 2.50 | 27.50 | 66.00 | 3.50 | 0.00 | 0.00 |

| | | | | | | | | | | |
|-------------------------|-------|------------|--------|--------|-------|-------------|-------|--------|----------|--------|
| ROE MATURITY (FEMALE) : | | SEX RATIO: | | | | | | | | |
| | | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 20 | 100 | 0 | 120 | | NO. | 79 | 120 | 1 | 200 |
| % | 16.67 | 83.33 | 0.00 | 100.00 | | % | 39.50 | 60.00 | 0.50 | 100.00 |
| % SAMPLE WEIGHT | 3.27 | 23.32 | 0.00 | 26.60 | | MEAN WEIGHT | 85.92 | 100.80 | 78.00 | 94.81 |
| | | | | | | % SAMP. WT. | 35.80 | 63.79 | 0.41 | 100.00 |

Table 13 (cont'd)

| | | SECTION: 273 - FORWARD INLET | | | |
|----------------------------|-------|------------------------------|--------|--------|--------|
| SAMPLE NUMBERS: | | 12, 5, 11, | | | |
| SOURCE: | | TEST FISHERY | | | |
| GEAR: | | HERRING SEINE | | | |
| DATE: | | FEB 28/2002 - MAR 8/2002 | | | |
| SPECIMENS AT EACH AGE: | | AGE | | | |
| NO. AT AGE | | 0+ | 1+ | 2+ | 3+ |
| 0.00 | 0 | 15 | 179 | 39 | 28 |
| 0.00 | 5.42 | 64.62 | 14.08 | 10.11 | 0.72 |
| LENGTH - MEAN (mm) | | 178.00 | 181.87 | 186.49 | 195.32 |
| 0.00 | 0.00 | 18.38 | 12.51 | 11.36 | 13.48 |
| WEIGHT - MEAN (gm) | | 88.93 | 93.06 | 100.33 | 120.86 |
| 0.00 | 0.00 | 20.96 | 21.98 | 27.10 | 22.63 |
| - STD. DEV. | | 34.01 | 34.01 | 20.96 | 21.98 |
| - STD. DEV. | | | | | |
| HJORT MATURITY STAGES: | | | | | |
| NO. AT STAGE | | 1 | 2 | 3 | 4 |
| 0.00 | 0 | 2 | 0 | 0 | 25 |
| 0.00 | 0.00 | 0.67 | 0.00 | 8.33 | 80.33 |
| % AT STAGE | | | | | |
| | | | | | |
| MATURITY STAGE | | | | | |
| NO. AT STAGE | | 5 | 6 | 7 | 8 |
| 0.00 | 0 | 241 | 32 | 0 | 0 |
| 0.00 | 0.00 | 80.33 | 10.67 | 0.00 | 0.00 |
| % AT STAGE | | | | | |
| | | | | | |
| SEX RATIO: | | | | | |
| ROE MATURITY (FEMALE) : | | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | | 1.2 | 155 | 0 | 167 |
| 7.19 | 92.81 | 0.00 | 100.00 | | |
| 1.39 | 25.12 | 0.00 | 26.51 | | |
| % SAMPLE WEIGHT | | | | | |
| MALE FEMALE IMMATURE TOTAL | | | | | |
| NO. | | 131 | 167 | 2 | 300 |
| % | | 43.67 | 55.67 | 0.67 | 100.00 |
| MEAN WEIGHT | | | | | |
| MEAN WEIGHT | | 89.40 | 105.54 | 73.50 | 98.28 |
| % SAMP. WT. | | 39.72 | 59.78 | 0.50 | 100.00 |

Table I4. Test fishing sample summaries by statistical area.

| | | | | | | | | | | |
|-------------------------|--|--------|--------|--------|-------------|--------|--------|--------|---------|--------|
| AREA: | 2W - WEST COAST Q.C.I. | | | | | | | | | |
| SAMPLE NUMBERS: | 122, 136, 129, 130, 131, 137, 144, 132, 138, 133, 135, 128, 127, | | | | | | | | | |
| SOURCE: | TEST FISHERY | | | | | | | | | |
| GEAR: | HERRING SEINE | | | | | | | | | |
| DATE: | MAR 17/2002 - MAR 30/2002 | | | | | | | | | |
| SPECIMENS AT EACH AGE: | | | | | | | | | | |
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ |
| NO. AT AGE | 0 | 448 | 280 | 53 | 237 | 104 | 73 | 30 | 16 | 3 |
| % AT AGE | 0.00 | 36.01 | 22.51 | 4.26 | 19.05 | 8.36 | 5.87 | 2.41 | 1.29 | 0.24 |
| LENGTH - MEAN(mm) | 0.00 | 163.98 | 191.02 | 199.92 | 219.44 | 227.17 | 228.52 | 230.27 | 226.75 | 217.33 |
| - STD. DEV. | 0.00 | 8.25 | 11.82 | 16.99 | 10.75 | 12.25 | 10.68 | 12.69 | 8.17 | 27.61 |
| WEIGHT - MEAN(gm) | 0.00 | 62.24 | 106.22 | 124.13 | 173.62 | 196.76 | 203.67 | 203.43 | 204.12 | 205.33 |
| - STD. DEV. | 0.00 | 11.03 | 21.99 | 32.96 | 29.55 | 29.83 | 30.97 | 40.14 | 32.10 | 67.68 |
| HJORT MATURITY STAGES: | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | |
| NO. AT STAGE | 4 | 23 | 4 | 89 | 877 | 300 | 2 | 0 | 1 | 0 |
| % AT STAGE | 0.31 | 1.77 | 0.31 | 6.85 | 67.51 | 23.09 | 0.15 | 0.00 | 0.00 | |
| ROE MATURITY (FEMALE) : | | | | | | | | | | |
| | IMMATURE | MATURE | SPENT | TOTAL | | | | | | |
| NO. | 50 | 567 | 0 | 617 | NO. | 662 | 617 | 20 | 1299 | |
| % | 8.10 | 91.90 | 0.00 | 100.00 | % | 50.96 | 47.50 | 1.54 | 100.00 | |
| % SAMPLE WEIGHT | 0.83 | 27.89 | 0.00 | 28.72 | MEAN WEIGHT | 108.72 | 135.37 | 47.65 | 120.44 | |
| | | | | | % SAMP. WT. | 46.01 | 53.39 | 0.61 | 100.00 | |

Table 14 (cont'd)

| | | | | | | | | | | |
|------------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|----------------------|
| AREA: | 2E - EAST COAST Q.C.I. | | | | | | | | | |
| SAMPLE NUMBERS: | 134, 158, 149, 150, 242, 148, 177, 152, 123, 125, 163, 151, 181, 155, 176, 153, 266, 124, | | | | | | | | | |
| SOURCE: | TEST FISHERY | | | | | | | | | |
| GEAR: | HERRING SEINE | | | | | | | | | |
| DATE: | FEB 28/2002 - MAR 20/2002 | | | | | | | | | |
| SPECIMENS AT EACH AGE: | | | | | | | | | | |
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ UNKNOWN TOTAL |
| NO. AT AGE | 0 | 575 | 399 | 344 | 158 | 34 | 164 | 17 | 4 | 1 104 1800 |
| % AT AGE | 0.00 | 33.90 | 23.53 | 20.28 | 9.32 | 2.00 | 9.67 | 1.00 | 0.24 | 0.06 0.00 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 159.29 | 173.93 | 188.98 | 197.79 | 205.50 | 208.49 | 213.18 | 213.25 | 217.00 179.88 178.80 |
| - STD. DEV. | 0.00 | 8.08 | 10.85 | 10.78 | 10.85 | 10.62 | 9.30 | 7.75 | 12.37 | 0.00 21.14 20.06 |
| WEIGHT - MEAN(gm) | 0.00 | 53.49 | 74.17 | 98.33 | 115.37 | 127.68 | 137.28 | 147.06 | 145.00 | 141.00 86.27 84.14 |
| - STD. DEV. | 0.00 | 10.31 | 16.54 | 18.80 | 19.86 | 21.87 | 21.71 | 16.17 | 27.09 | 0.00 34.96 33.30 |

| | | | | | | | | | | |
|------------------------|------|------|------|------|-------|-------|------|------|---------|---|
| HJORT MATURITY STAGES: | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | |
| NO. AT STAGE | 1 | 5 | 9 | 165 | 1228 | 355 | 35 | 2 | 1 | 0 |
| % AT STAGE | 0.06 | 0.28 | 0.50 | 9.17 | 68.22 | 19.72 | 1.94 | 0.11 | 0.00 | |

| | | | | | | | | | | |
|------------------------|----------|--------|-------|--------|-------------|-------|-------|-------|--------|--|
| ROE MATURITY (FEMALE): | | | | | | | | | | |
| | IMMATURE | MATURE | SPENT | TOTAL | | | | | | |
| NO. | 75 | 750 | 8 | 833 | NO. | 960 | 833 | 7 | 1800 | |
| % | 9.00 | 90.04 | 0.96 | 100.00 | % | 53.33 | 46.28 | 0.39 | 100.00 | |
| % SAMPLE WEIGHT | 1.31 | 24.32 | 0.00 | 25.63 | MEAN WEIGHT | 79.27 | 90.19 | 32.14 | 84.14 | |
| | | | | | % SAMP. WT. | 50.25 | 49.60 | 0.15 | 100.00 | |

Table 14 (cont'd)

| | |
|-----------------|--|
| AREA: | 4 - SKEENA |
| SAMPLE NUMBERS: | 346, 353, 201, 232, 351, 352, 209, 335, 348, 345, 341, 349, 330, 217, 231, 355, 212, 207, |
| SOURCE: | TEST FISHERY |
| GEAR: | HERRING SEINE |
| DATE: | MAR 13/2002 - APR 8/2002 |

| SPECIMENS AT EACH AGE: | | AGE | | | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|-------|
| | | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 18 | 333 | 802 | 284 | 63 | 115 | 51 | 40 | 5 | 89 | 1800 | |
| % AT AGE | 0.00 | 1.05 | 19.46 | 46.87 | 16.60 | 3.68 | 6.72 | 2.98 | 2.34 | 0.29 | 0.00 | 100.00 | |
| LENGTH - MEAN (mm) | 0.00 | 149.56 | 167.20 | 180.10 | 191.64 | 202.52 | 205.00 | 210.06 | 214.18 | 210.60 | 180.26 | 183.30 | |
| - STD. DEV. | 0.00 | 7.14 | 8.52 | 9.92 | 11.84 | 11.82 | 12.03 | 12.87 | 12.85 | 17.77 | 18.80 | 16.79 | |
| WEIGHT - MEAN (gm) | 0.00 | 42.50 | 60.99 | 78.58 | 97.98 | 116.79 | 122.17 | 136.29 | 139.15 | 146.40 | 81.91 | 85.48 | |
| - STD. DEV. | 0.00 | 9.56 | 12.02 | 15.90 | 22.76 | 26.57 | 28.24 | 30.04 | 29.03 | 35.63 | 29.30 | 28.78 | |

| HJORT MATURITY STAGES: | | MATURITY STAGE | | | | | | | | | | |
|------------------------|------|----------------|------|-------|-------|-------|------|------|------|---------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | |
| NO. AT STAGE | 3 | 11 | 3 | 237 | 997 | 404 | 145 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.17 | 0.61 | 0.17 | 13.17 | 55.39 | 22.44 | 8.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE) : | | SEX RATIO: | | | | | | | | | | | |
|-------------------------|-------|------------|--------|--------|-------|------|--------|----------|-------|-------|-------|-------------|-------------|
| | | IMMATURE | MATURE | SPENT | TOTAL | MALE | FEMALE | IMMATURE | TOTAL | NO. | % | MEAN WEIGHT | % SAMP. WT. |
| NO. | 131 | 682 | 67 | 880 | | 906 | 880 | 14 | 1800 | 50.33 | 48.89 | 0.78 | 100.00 |
| % | 14.89 | 77.50 | 7.61 | 100.00 | | | | | | | | | |
| % SAMPLE WEIGHT | 2.56 | 21.62 | 0.00 | 24.18 | | | | | | | | | |

Table 14 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | | AGE | | | | | | | | | | | | | | | |
|-------------------------|--|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|--|-------|-------|-------|--------|----|--|---------|--|-------|--|
| | | 0+ | | 1+ | | 2+ | | 3+ | | 4+ | | 5+ | | 6+ | | 7+ | | 8+ | | 9+ | | UNKNOWN | | TOTAL | |
| NO. AT AGE | | 0 | 176 | 514 | 802 | 462 | 98 | 276 | 88 | 36 | 7 | 141 | 2600 | | | | | | | | | | | | |
| % AT AGE | | 0.00 | 7.16 | 20.90 | 32.61 | 18.79 | 3.99 | 11.22 | 3.58 | 1.46 | 0.28 | 0.00 | 100.00 | | | | | | | | | | | | |
| LENGTH - MEAN (mm) | | 0.00 | 152.96 | 169.96 | 182.94 | 193.46 | 202.47 | 205.56 | 206.95 | 213.47 | 218.86 | 183.77 | 184.73 | | | | | | | | | | | | |
| - STD. DEV. | | 0.00 | 9.92 | 10.04 | 9.85 | 9.99 | 8.91 | 10.33 | 7.77 | 9.15 | 9.84 | 17.65 | 17.99 | | | | | | | | | | | | |
| WEIGHT - MEAN (gm) | | 0.00 | 47.93 | 67.39 | 86.37 | 104.13 | 118.37 | 126.49 | 131.89 | 145.31 | 152.86 | 91.03 | 91.42 | | | | | | | | | | | | |
| - STD. DEV. | | 0.00 | 10.94 | 13.64 | 15.84 | 19.25 | 17.94 | 23.26 | 19.42 | 26.92 | 17.19 | 28.77 | 29.45 | | | | | | | | | | | | |
| HJORT MATURITY STAGES: | | | | | | | | | | | | | | | | | | | | | | | | | |
| NO. AT STAGE | | 2 | 5 | 6 | 91 | 1745 | 576 | 139 | 36 | 0 | | | | | | | | | | | | | | | |
| % AT STAGE | | 0.08 | 0.19 | 0.23 | 3.50 | 67.12 | 22.15 | 5.35 | 1.38 | 0.00 | | | | | | | | | | | | | | | |
| ROE MATURITY (FEMALE) : | | | | | | | | | | | | | | | | | | | | | | | | | |
| NO. | | 47 | 1120 | 72 | 1239 | | | | | | | | | NO. | | 1350 | 1239 | 11 | 2600 | | | | | | |
| % | | 3.79 | 90.40 | 5.81 | 100.00 | | | | | | | | | % | | 51.92 | 47.65 | 0.42 | 100.00 | | | | | | |
| % SAMPLE WEIGHT | | 0.66 | 25.18 | 0.00 | 25.84 | | | | | | | | | MEAN WEIGHT | | 85.96 | 97.79 | 45.27 | 91.42 | | | | | | |
| | | | | | | | | | | | | | | % SAMP. WT. | | 48.82 | 50.97 | 0.21 | 100.00 | | | | | | |

Table 14 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ |
| NO. AT AGE | 0 | 16 | 262 | 96 | 209 | 59 | 210 | 80 | 10 |
| % AT AGE | 0.00 | 1.69 | 27.75 | 10.17 | 22.14 | 6.25 | 22.25 | 8.47 | 0.21 |
| LENGTH - MEAN (mm) | 0.00 | 156.50 | 172.69 | 184.36 | 191.57 | 197.20 | 200.20 | 207.00 | 192.00 |
| - STD. DEV. | 0.00 | 6.91 | 10.65 | 10.70 | 10.32 | 10.43 | 10.30 | 11.11 | 13.30 |
| WEIGHT - MEAN (gm) | 0.00 | 49.38 | 71.17 | 90.21 | 101.25 | 112.27 | 117.31 | 122.00 | 126.70 |
| - STD. DEV. | 0.00 | 7.62 | 16.30 | 18.98 | 18.54 | 20.72 | 22.71 | 27.50 | 33.01 |

| HJORT MATURITY STAGES: | | | | | | | | | |
|------------------------|------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 4 | 3 | 162 | 647 | 183 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.40 | 0.30 | 16.20 | 64.70 | 18.30 | 0.10 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE) : | | | | | | | | | |
|-------------------------|----------|--------|-------|--------|-------------|-------|--------|------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | | | | |
| NO. | 96 | 354 | 1 | 451 | NO. | | | | |
| % | 21.29 | 78.49 | 0.22 | 100.00 | % | 54.80 | 45.10 | 1 | 1000 |
| % SAMPLE WEIGHT | 4.25 | 21.79 | 0.00 | 26.04 | MEAN WEIGHT | 91.90 | 103.78 | 0.10 | 100.00 |
| % SAMP. WT. | | | | | % SAMP. WT. | 51.80 | 48.15 | 0.05 | 97.21 |
| | | | | | | | | | 100.00 |

Table 14 (cont'd)

AREA: 7 - BELLA BELLA
 SAMPLE NUMBERS: 103, 96, 179, 114, 193, 235, 113, 218, 102, 186,
 106, 199, 229, 223, 139, 261, 185, 94, 169, 195,
 142, 109, 105, 117, 116, 108, 104, 126, 92, 112,
 172, 93, 110, 230, 115, 236, 237, 97, 238,
 SOURCE: TEST FISHERY
 GEAR: HERRING SEINE
 DATE: MAR 6/2002 - MAR 28/2002

| SPECIMENS AT EACH AGE: | | AGE | | | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|-------|
| | | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 301 | 1439 | 359 | 511 | 182 | 590 | 257 | 51 | 4 | 206 | 3900 | |
| % AT AGE | 0.00 | 8.15 | 38.96 | 9.72 | 13.83 | 4.93 | 15.97 | 6.96 | 1.38 | 0.11 | 0.00 | 100.00 | |
| LENGTH - MEAN (mm) | 0.00 | 152.99 | 166.29 | 180.30 | 194.69 | 199.01 | 204.35 | 207.93 | 209.49 | 221.00 | 181.61 | 181.73 | |
| - STD. DEV. | 0.00 | 11.52 | 12.49 | 12.55 | 10.93 | 11.76 | 11.89 | 10.80 | 10.76 | 21.71 | 26.63 | 22.24 | |
| WEIGHT - MEAN (gm) | 0.00 | 47.76 | 64.36 | 85.54 | 111.32 | 121.43 | 132.94 | 141.65 | 144.98 | 162.50 | 94.23 | 92.04 | |
| - STD. DEV. | 0.00 | 15.57 | 17.27 | 20.25 | 22.54 | 25.78 | 28.36 | 28.75 | 27.09 | 58.95 | 44.09 | 39.22 | |

| HJORT MATURITY STAGES: | | MATURITY STAGE | | | | | | | | | | |
|------------------------|------|----------------|------|-------|-------|-------|------|------|------|---------|--|--|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | |
| NO. AT STAGE | 22 | 130 | 2 | 566 | 2586 | 589 | 5 | 0 | 0 | 0 | | |
| % AT STAGE | 0.56 | 3.33 | 0.05 | 14.51 | 66.31 | 15.10 | 0.13 | 0.00 | 0.00 | 0.00 | | |

| ROE MATURITY (FEMALE) : | | SEX RATIO: | | | | MALE | FEMALE | IMMATURE | TOTAL | | |
|-------------------------|-------|------------|--------|--------|-------|-------|--------|----------|--------|--|--|
| | | IMMATURE | MATURE | SPENT | TOTAL | | | | | | |
| NO. | 412 | 1473 | 2 | 1887 | | | | | | | |
| % | 21.83 | 78.06 | 0.11 | 100.00 | | | | | | | |
| % SAMPLE WEIGHT | 3.92 | 22.33 | 0.00 | 26.25 | | | | | | | |
| MEAN WEIGHT | | | | | | 86.69 | 101.53 | 36.79 | 92.04 | | |
| % SAMP. WT. | | | | | | 45.16 | 53.37 | 1.47 | 100.00 | | |

Table 14 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ |
| NO. AT AGE | 0 | 25 | 250 | 49 | 112 | 34 | 46 | 42 | 2 |
| % AT AGE | 0.00 | 4.45 | 44.48 | 8.72 | 19.93 | 6.05 | 8.19 | 7.47 | 0.36 |
| LENGTH - MEAN (mm) | 0.00 | 149.80 | 164.55 | 175.88 | 183.83 | 189.56 | 192.37 | 195.12 | 190.50 |
| - STD. DEV. | 0.00 | 12.63 | 13.42 | 17.78 | 11.06 | 13.50 | 12.50 | 16.04 | 27.58 |
| WEIGHT - MEAN (gm) | 0.00 | 43.08 | 62.16 | 79.24 | 90.95 | 101.18 | 107.76 | 109.79 | 100.00 |
| - STD. DEV. | 0.00 | 16.35 | 17.93 | 24.49 | 19.19 | 27.27 | 26.00 | 30.23 | 59.40 |

| HJORT MATURITY STAGES: | | | | | | | | | |
|------------------------|------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 10 | 12 | 11 | 185 | 327 | 54 | 1 | 0 | 0 |
| % AT STAGE | 1.67 | 2.00 | 1.83 | 30.83 | 54.50 | 9.00 | 0.17 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): | | | | | | | | | |
|------------------------|----------|--------|-------|--------|-------------|-------|-------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | | | | |
| NO. | 127 | 140 | 0 | 267 | NO. | 315 | 267 | 18 | 600 |
| % | 47.57 | 52.43 | 0.00 | 100.00 | % | 52.50 | 44.50 | 3.00 | 100.00 |
| % SAMPLE WEIGHT | 9.26 | 15.84 | 0.00 | 25.10 | MEAN WEIGHT | 77.33 | 84.66 | 31.94 | 79.23 |
| % SAMP. WT. | | | | | % SAMP. WT. | 51.24 | 47.55 | 1.21 | 100.00 |

Table 14 (cont'd)

| | | SPECIMENS AT EACH AGE: | | | | | | | | AGE | | | |
|--------------------|--|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | | 0 | 13 | 151 | 15 | 41 | 19 | 18 | 22 | 3 | 0 | 18 | 300 |
| % AT AGE | | 0.00 | 4.61 | 53.55 | 5.32 | 14.54 | 6.74 | 6.38 | 7.80 | 1.06 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | | 0.00 | 132.08 | 159.00 | 167.80 | 181.68 | 178.00 | 181.00 | 181.36 | 179.33 | 0.00 | 154.83 | 165.49 |
| - STD. DEV. | | 0.00 | 19.32 | 17.87 | 15.31 | 12.09 | 12.89 | 13.80 | 14.48 | 4.93 | 0.00 | 23.91 | 20.78 |
| WEIGHT - MEAN (gm) | | 0.00 | 28.77 | 53.35 | 64.73 | 82.68 | 78.74 | 84.33 | 81.59 | 71.67 | 0.00 | 50.72 | 62.43 |
| - STD. DEV. | | 0.00 | 13.22 | 20.90 | 17.88 | 22.03 | 21.80 | 28.19 | 25.06 | 6.66 | 0.00 | 25.92 | 26.30 |

| | | HJORT MATURITY STAGES: | | | | | | | | MATURITY STAGE | | | |
|--------------|--|------------------------|------|------|-------|-------|------|------|------|----------------|------|------|--|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | | |
| NO. AT STAGE | | 2 | 5 | 1 | 80 | 190 | 22 | 0 | 0 | 0 | 0 | 0 | |
| % AT STAGE | | 0.67 | 1.67 | 0.33 | 26.67 | 63.33 | 7.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | ROE MATURITY (FEMALE) : | | | | SEX RATIO: | | | | | | | |
|-----------------|--|-------------------------|--------|-------|--------|-------------|--------|----------|-------|-------|--------|----------|--------|
| | | IMMATURE | MATURE | SPENT | TOTAL | MALE | FEMALE | IMMATURE | TOTAL | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | | 46 | 75 | 0 | 121 | NO. | | | | 175 | 121 | 4 | 300 |
| % | | 38.02 | 61.98 | 0.00 | 100.00 | % | | | | 58.33 | 40.33 | 1.33 | 100.00 |
| % SAMPLE WEIGHT | | 6.37 | 14.85 | 0.00 | 21.22 | MEAN WEIGHT | | | | 59.93 | 66.83 | 38.25 | 62.43 |
| % SAMP. WT. | | | | | | % SAMP. WT. | | | | 56.00 | 43.18 | 0.82 | 100.00 |

Table 14 (cont'd)

| SPECIMENS AT EACH AGE: | | AGE | | | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|-------|
| | | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 6 | 51 | 12 | 20 | 35 | 25 | 26 | 8 | 2 | 15 | 200 | |
| % AT AGE | 0.00 | 3.24 | 27.57 | 6.49 | 10.81 | 18.92 | 13.51 | 14.05 | 4.32 | 1.08 | 0.00 | 100.00 | |
| LENGTH - MEAN (mm) | 0.00 | 146.50 | 164.12 | 172.17 | 178.70 | 176.40 | 180.84 | 179.85 | 183.75 | 168.50 | 171.47 | 173.20 | |
| - STD. DEV. | 0.00 | 17.11 | 13.10 | 15.21 | 14.84 | 10.39 | 13.05 | 11.04 | 15.02 | 17.68 | 15.27 | 15.17 | |
| WEIGHT - MEAN (gm) | 0.00 | 41.00 | 63.29 | 75.92 | 85.50 | 82.46 | 88.24 | 86.19 | 98.88 | 93.50 | 76.67 | 77.78 | |
| - STD. DEV. | 0.00 | 14.25 | 15.97 | 18.35 | 25.15 | 17.99 | 21.07 | 16.07 | 27.62 | 26.16 | 20.73 | 22.32 | |

| HJORT MATURITY STAGES: | | MATURITY STAGE | | | | | | | | | | |
|------------------------|------|----------------|------|-------|-------|------|------|------|------|---------|--|--|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | |
| NO. AT STAGE | 2 | 0 | 0 | 81 | 99 | 18 | 0 | 0 | 0 | 0 | | |
| % AT STAGE | 1.00 | 0.00 | 0.00 | 40.50 | 49.50 | 9.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |

| ROE MATURITY (FEMALE) : | | SEX RATIO: | | | | | | | | | | |
|-------------------------|-------|------------|--------|--------|--------|-------------|-------|--------|----------|--------|--|--|
| | | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL | | |
| NO. | 42 | 52 | 0 | 94 | 140 | NO. | 104 | 94 | 2 | 200 | | |
| % | 44.68 | 55.32 | 0.00 | 100.00 | 100.00 | % | 52.00 | 47.00 | 1.00 | 100.00 | | |
| % SAMPLE WEIGHT | 9.93 | 12.97 | 0.00 | 22.90 | 22.90 | MEAN WEIGHT | 77.52 | 79.17 | 26.00 | 77.78 | | |
| % SAMP. WT. | | | | | | % SAMP. WT. | 51.83 | 47.84 | 0.33 | 100.00 | | |

Table 14 (cont'd)

| | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|--|--------|--------|-------------|-------------|--------|--------|---------|--------|---------|--------|--|--|--|--|--|--|--|--|--|--|
| AREA: | 14 - COMOX | | | | | | | | | | | | | | | | | | | | |
| SAMPLE NUMBERS: | 23, 48, 21, 3, 225, 161, 51, 226, 24, 178, 4, 213, 16, 26, 44, 219, 99, 211, 156, 183, 194, 50, 187, 180, 55, 2, 56, 13, 182, 175, 184, 30, 54, 6, 39, 19, 8, 18, 31, 7, 53, 17, 45, 1, 10, 215, 210, 221, 33, | | | | | | | | | | | | | | | | | | | | |
| SOURCE: | TEST FISHERY | | | | | | | | | | | | | | | | | | | | |
| GEAR: | HERRING SEINE | | | | | | | | | | | | | | | | | | | | |
| DATE: | FEB 22/2002 - MAR 20/2002 | | | | | | | | | | | | | | | | | | | | |
| SPECIMENS AT EACH AGE: | | | | | | | | | | | | | | | | | | | | | |
| AGE | | | | | | | | | | | | | | | | | | | | | |
| 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL | | | | | | | | | | |
| NO. AT AGE | 0 | 359 | 2380 | 1153 | 499 | 104 | 90 | 17 | 4 | 0 | 294 | | | | | | | | | | |
| % AT AGE | 0.00 | 7.79 | 51.67 | 25.03 | 10.83 | 2.26 | 1.95 | 0.37 | 0.09 | 0.00 | 4900 | | | | | | | | | | |
| LENGTH - MEAN (mm) | 0.00 | 153.63 | 177.68 | 186.94 | 192.97 | 201.96 | 203.22 | 208.94 | 215.25 | 0.00 | 100.00 | | | | | | | | | | |
| - STD. DEV. | 0.00 | 12.95 | 12.33 | 10.40 | 11.60 | 11.97 | 11.03 | 16.66 | 11.00 | 0.00 | 18.93 | | | | | | | | | | |
| WEIGHT - MEAN (gm) | 0.00 | 48.84 | 77.86 | 95.09 | 107.43 | 128.44 | 131.62 | 137.71 | 167.75 | 0.00 | 85.42 | | | | | | | | | | |
| - STD. DEV. | 0.00 | 14.15 | 17.86 | 18.52 | 20.98 | 25.96 | 21.86 | 29.33 | 34.68 | 0.00 | 25.80 | | | | | | | | | | |
| HJORT MATURITY STAGES: | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | | | | | | | | | | | | |
| NO. AT STAGE | 22 | 178 | 18 | 1065 | 3083 | 502 | 23 | 9 | 0 | | | | | | | | | | | | |
| % AT STAGE | 0.45 | 3.63 | 0.37 | 21.73 | 62.92 | 10.24 | 0.47 | 0.18 | 0.00 | | | | | | | | | | | | |
| ROE MATURITY (FEMALE) : | | | | | | | | | | | | | | | | | | | | | |
| IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | | | | | | | | | | | | | | | | | |
| NO. | | | | NO. | | | | | | | | | | | | | | | | | |
| % | 53.0 | 1754 | 13 | 2297 | 2429 | 2297 | 174 | 174 | 174 | 174 | 4900 | | | | | | | | | | |
| % SAMPLE WEIGHT | 23.07 | 76.36 | 0.57 | 100.00 | 49.57 | 46.88 | 3.55 | 3.55 | 3.55 | 3.55 | 100.00 | | | | | | | | | | |
| | 3.91 | 21.92 | 0.01 | 25.84 | MEAN WEIGHT | 82.44 | 91.89 | 41.55 | 41.55 | 41.55 | 85.42 | | | | | | | | | | |
| | | | | % SAMP. WT. | 47.84 | 50.43 | 1.73 | 1.73 | 1.73 | 1.73 | 100.00 | | | | | | | | | | |

Table 14 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | AGE | | | | | | |
|------------------------|--------|--------|--------|------|------|------|------|------|------|------|---------|--------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL | |
| NO. AT AGE | 54 | 25 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 100 |
| % AT AGE | 61.36 | 28.41 | 10.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 104.19 | 135.72 | 137.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 119.67 | 116.95 |
| - STD. DEV. | 5.77 | 12.50 | 16.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.20 | 18.22 |
| WEIGHT - MEAN (gm) | 13.80 | 34.16 | 34.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.17 | 21.76 |
| - STD. DEV. | 2.54 | 9.01 | 13.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.14 | 11.71 |

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| HJORT MATURITY STAGES : | | | | | | | MATURITY STAGE | | | | | | |
|-------------------------|-------|-------|------|------|------|------|----------------|------|---------|--|--|--|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | | | |
| NO. AT STAGE | 79 | 10 | 0 | 6 | 5 | 0 | 0 | 0 | 0 | | | | |
| % AT STAGE | 79.00 | 10.00 | 0.00 | 6.00 | 5.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |

| ROE MATURITY (FEMALE) : | | | | | | | SEX RATIO: | | | | | | |
|-------------------------|----------|--------|-------|--------|--|-------------|------------|----------|--------|--------|--|--|--|
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL | | | | |
| NO. | 4 | 0 | 0 | 4 | | 7 | 4 | 89 | 100 | | | | |
| % | 100.00 | 0.00 | 0.00 | 100.00 | | 7.00 | 4.00 | 89.00 | 100.00 | | | | |
| % SAMPLE WEIGHT | 16.22 | 0.00 | 0.00 | 16.22 | | MEAN WEIGHT | 36.71 | 46.25 | 19.48 | 21.76 | | | |
| % SAMP. WT. | | | | | | % SAMP. WT. | 11.81 | 8.50 | 79.69 | 100.00 | | | |

Table 14 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | | | | |
|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL |
| NO. AT AGE | 1 | 65 | 301 | 118 | 45 | 7 | 9 | 2 | 1 | 0 | 51 | 600 |
| % AT AGE | 0.18 | 11.84 | 54.83 | 21.49 | 8.20 | 1.28 | 1.64 | 0.36 | 0.18 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 109.00 | 153.91 | 175.71 | 184.14 | 193.20 | 197.43 | 192.44 | 214.00 | 222.00 | 0.00 | 160.78 | 175.65 |
| - STD. DEV. | 0.00 | 16.34 | 15.71 | 16.08 | 15.03 | 13.69 | 25.20 | 1.41 | 0.00 | 0.00 | 23.32 | 20.21 |
| WEIGHT - MEAN (gm) | 15.00 | 49.94 | 75.24 | 90.56 | 104.71 | 121.86 | 113.33 | 153.50 | 172.00 | 0.00 | 62.25 | 78.06 |
| - STD. DEV. | 0.00 | 16.95 | 19.15 | 24.13 | 21.66 | 26.62 | 39.68 | 2.12 | 0.00 | 0.00 | 29.53 | 27.21 |

| HJORT MATURITY STAGES: | | | | | | | | | |
|------------------------|------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 6 | 30 | 3 | 161 | 253 | 147 | 0 | 0 | 0 |
| % AT STAGE | 1.00 | 5.00 | 0.50 | 26.83 | 42.17 | 24.50 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): | | | | | | | | | |
|------------------------|----------|--------|-------|--------|-------------|-------|-------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | | | | |
| NO. | 105 | 183 | 0 | 288 | NO. | | | | |
| % SAMPLE WEIGHT | 36.46 | 63.54 | 0.00 | 100.00 | % | 280 | 288 | 32 | 600 |
| | 6.66 | 16.04 | 0.00 | 22.70 | | 46.67 | 48.00 | 5.33 | 100.00 |
| | | | | | MEAN WEIGHT | 76.65 | 83.86 | 38.13 | 78.06 |
| | | | | | % SAMP. WT. | 45.82 | 51.57 | 2.60 | 100.00 |

Table 14 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|------|------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ |
| NO. AT AGE | 0 | 17 | 101 | 45 | 7 | 3 | 2 | 0 | 0 |
| % AT AGE | 0.00 | 9.71 | 57.71 | 25.71 | 4.00 | 1.71 | 1.14 | 0.00 | 0.00 |
| LENGTH - MEAN (mm) | 0.00 | 166.06 | 179.76 | 190.36 | 186.29 | 197.00 | 219.00 | 0.00 | 0.00 |
| - STD. DEV. | 0.00 | 6.77 | 10.93 | 8.64 | 14.49 | 9.64 | 5.66 | 0.00 | 0.00 |
| WEIGHT - MEAN (gm) | 0.00 | 59.18 | 79.14 | 94.53 | 87.29 | 118.33 | 156.00 | 0.00 | 0.00 |
| - STD. DEV. | 0.00 | 7.27 | 16.31 | 14.89 | 18.74 | 13.20 | 21.21 | 0.00 | 0.00 |

| HUJORT MATURITY STAGES: | | | | | | | | | |
|-------------------------|------|------|-------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 4 | 1 | 111 | 77 | 7 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 2.00 | .0.50 | 55.50 | 38.50 | 3.50 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): | | | | | | | | | |
|------------------------|----------|--------|-------|--------|-------------|-------|-------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | | | | |
| NO. | 65 | 36 | 0 | 101 | NO. | 95 | 101 | 4 | 200 |
| % | 64.36 | 35.64 | 0.00 | 100.00 | % | 47.50 | 50.50 | 2.00 | 100.00 |
| % SAMPLE WEIGHT | 11.49 | 10.93 | 0.00 | 22.42 | MEAN WEIGHT | 80.49 | 85.31 | 64.75 | 82.61 |
| % SAMP. WT. | | | | | % SAMP. WT. | 46.28 | 52.15 | 1.57 | 100.00 |

Table 14 (cont'd)

| | | | | | | | | |
|------------------------|---|--------------------|--------|--------|--------|--------|--------|--------|
| | AREA: | 23 - BARKLEY SOUND | | | | | | |
| SAMPLE NUMBERS: | 47, 59, 67, 62, 42, 57, 63, 60, 65, 58, 66, 61, 52, 43, 49, 64, 68, 41, 40, 37, 46, 38, | | | | | | | |
| SOURCE: | TEST FISHERY | | | | | | | |
| GEAR: | HERRING SEINE | | | | | | | |
| DATE: | FEB 22/2002 - MAR 23/2002 | | | | | | | |
| SPECIMENS AT EACH AGE: | | | | | | | | |
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ |
| NO. AT AGE | 0 | 163 | 1158 | 470 | 101 | 58 | 41 | 20 |
| % AT AGE | 0.00 | 8.09 | 57.44 | 23.31 | 5.01 | 2.88 | 2.03 | 0.99 |
| LENGTH - MEAN (mm) | 0.00 | 166.94 | 180.22 | 188.65 | 198.09 | 209.64 | 215.17 | 220.35 |
| - STD. DEV. | 0.00 | 8.89 | 9.59 | 10.92 | 10.76 | 11.06 | 10.06 | 7.39 |
| WEIGHT - MEAN (gm) | 0.00 | 65.21 | 82.82 | 97.91 | 114.60 | 141.72 | 149.90 | 160.65 |
| - STD. DEV. | 0.00 | 12.77 | 14.86 | 19.86 | 22.00 | 25.57 | 25.09 | 26.69 |
| | | | | | | | | |

| | | | | | | | | | |
|--------------|------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 2 | 8 | 14 | 330 | 1511 | 279 | 44 | 12 | 1 |
| % AT STAGE | 0.09 | 0.36 | 0.64 | 15.00 | 68.68 | 12.68 | 2.00 | 0.55 | 0.00 |
| | | | | | | | | | |

| | | | | | | | | | |
|-----------------|----------|--------|-------|--------|-------------|--|--|--|----------------------------|
| | IMMATURE | MATURE | SPENT | TOTAL | | | | | SEX RATIO: |
| NO. | 204 | 859 | 7 | 1070 | NO. | | | | MALE FEMALE IMMATURE TOTAL |
| % | 19.07 | 80.28 | 0.65 | 100.00 | % | | | | |
| % SAMPLE WEIGHT | 3.23 | 22.17 | 0.00 | 25.39 | MEAN WEIGHT | | | | |
| | | | | | % SAMP. WT. | | | | |
| | | | | | | | | | |

Table 14 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | | AGE | | | | | |
|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|--|--|--|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL | | | |
| NO. AT AGE | 39 | 95 | 219 | 99 | 22 | 9 | 25 | 1 | 0 | 0 | 82 | 600 | | | |
| % AT AGE | 7.53 | 18.34 | 42.28 | 19.11 | 4.25 | 1.74 | 4.83 | 0.19 | 0.00 | 0.00 | 100.00 | | | | |
| LENGTH - MEAN (mm) | 120.10 | 154.51 | 175.80 | 185.21 | 198.95 | 208.00 | 217.33 | 223.12 | 238.00 | 0.00 | 153.11 | 171.29 | | | |
| - STD. DEV. | 8.76 | 13.80 | 11.08 | 12.14 | 10.54 | 15.87 | 7.70 | 7.69 | 0.00 | 0.00 | 34.91 | 27.90 | | | |
| WEIGHT - MEAN (gm) | 21.00 | 53.27 | 79.05 | 95.71 | 124.05 | 141.67 | 155.00 | 180.32 | 196.00 | 0.00 | 59.10 | 79.36 | | | |
| - STD. DEV. | 5.02 | 15.08 | 16.15 | 20.79 | 27.14 | 31.17 | 20.24 | 20.27 | 0.00 | 0.00 | 48.41 | 40.94 | | | |

| HJORT MATURITY STAGES: | | | | | | | | | | MATURITY STAGE | | | | | |
|------------------------|-------|------|------|------|-------|-------|------|------|---------|----------------|--|--|--|--|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | | | | | |
| NO. AT STAGE | 90 | 1 | 6 | 54 | 344 | 102 | 3 | 0 | 0 | 0 | | | | | |
| % AT STAGE | 15.00 | 0.17 | 1.00 | 9.00 | 57.33 | 17.00 | 0.50 | 0.00 | 0.00 | 0 | | | | | |

| ROE MATURITY (FEMALE): | | | | | | | | | | SEX RATIO: | | | | | |
|------------------------|----------|--------|-------|--------|-------------|--|--|--|--|------------|--------|----------|--------|--|--|
| | IMMATURE | MATURE | SPENT | TOTAL | | | | | | MALE | FEMALE | IMMATURE | TOTAL | | |
| NO. | 22 | 209 | 1 | 232 | NO. | | | | | 277 | 232 | 91 | 600 | | |
| % | 9.48 | 90.09 | 0.43 | 100.00 | % | | | | | 46.17 | 38.67 | 15.17 | 100.00 | | |
| % SAMPLE WEIGHT | 1.06 | 25.86 | 0.00 | 26.92 | MEAN WEIGHT | | | | | 82.56 | 97.82 | 22.54 | 79.36 | | |
| % SAMP. WT. | | | | | % SAMP. WT. | | | | | 48.03 | 47.66 | 4.31 | 100.00 | | |

Table 14 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | | AGE | | | | | | | |
|------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|------|--|--|--|--|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ | 9+ | UNKNOWN | TOTAL | | | | | |
| NO. AT AGE | 52 | 110 | 1285 | 567 | 248 | 73 | 106 | 86 | 9 | 0 | 0 | 262 | 2798 | | | | |
| % AT AGE | 2.05 | 4.34 | 50.67 | 22.36 | 9.78 | 2.88 | 4.18 | 3.39 | 0.35 | 0.00 | 0.00 | 100.00 | | | | | |
| LENGTH - MEAN (mm) | 98.87 | 163.43 | 180.41 | 192.61 | 202.29 | 208.14 | 215.50 | 218.73 | 227.67 | 0.00 | 172.04 | 185.24 | | | | | |
| - STD. DEV. | 5.55 | 15.40 | 9.87 | 10.96 | 9.97 | 8.90 | 11.57 | 10.69 | 6.76 | 0.00 | 39.35 | 23.51 | | | | | |
| WEIGHT - MEAN (gm) | 10.23 | 63.98 | 85.80 | 109.07 | 129.22 | 146.04 | 157.38 | 169.72 | 204.33 | 0.00 | 86.61 | 99.42 | | | | | |
| - STD. DEV. | 1.80 | 18.50 | 16.49 | 21.47 | 22.33 | 24.67 | 30.73 | 27.70 | 22.57 | 0.00 | 49.97 | 36.76 | | | | | |

| HJORT MATURITY STAGES: | | | | | | | | | | MATURITY STAGE | | | | | | | |
|------------------------|------|------|------|------|-------|-------|------|------|---------|----------------|--|--|--|--|--|--|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | | | | | | | | |
| NO. AT STAGE | 99 | 1 | 7 | 209 | 2056 | 419 | 6 | 1 | 0 | | | | | | | | |
| % AT STAGE | 3.54 | 0.04 | 0.25 | 7.47 | 73.48 | 14.97 | 0.21 | 0.04 | 0.00 | | | | | | | | |

| ROE MATURITY (FEMALE) : | | | | | | SEX RATIO: | | | | | | | | | | | |
|-------------------------|----------|--------|-------|--------|--|------------|--------|----------|-------|-------------|-------|--------|------|--------|--|--|--|
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL | | | | | | | | |
| NO. | 109 | 1232 | 1 | 1342 | | | | | | NO. | 1357 | 1342 | 99 | 2798 | | | |
| % | 8.12 | 91.80 | 0.07 | 100.00 | | | | | | % | 48.50 | 47.96 | 3.54 | 100.00 | | | |
| % SAMPLE WEIGHT | 1.49 | 27.12 | 0.00 | 28.61 | | | | | | MEAN WEIGHT | 95.33 | 110.17 | 9.93 | 99.42 | | | |
| | | | | | | | | | | % SAMP. WT. | 46.50 | 53.15 | 0.35 | 100.00 | | | |

Table 14 (cont'd)

| SPECIMENS AT EACH AGE: | | | | | | | | | |
|------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 0+ | 1+ | 2+ | 3+ | 4+ | 5+ | 6+ | 7+ | 8+ |
| NO. AT AGE | 0 | 35 | 293 | 73 | 47 | 3 | 11 | 4 | 1 |
| % AT AGE | 0.00 | 7.49 | 62.74 | 15.63 | 10.06 | 0.64 | 2.36 | 0.86 | 0.21 |
| LENGTH - MEAN (mm) | 0.00 | 175.89 | 181.02 | 184.82 | 197.17 | 186.67 | 194.00 | 211.75 | 209.00 |
| - STD. DEV. | 0.00 | 13.59 | 12.16 | 11.63 | 13.86 | 16.17 | 28.06 | 11.32 | 0.00 |
| WEIGHT - MEAN (gm) | 0.00 | 84.46 | 92.05 | 98.90 | 123.00 | 96.33 | 119.18 | 145.00 | 165.00 |
| - STD. DEV. | 0.00 | 25.75 | 21.34 | 20.35 | 26.72 | 16.26 | 47.78 | 45.22 | 0.00 |

| HJORT MATURITY STAGES: | | | | | | | | | |
|------------------------|------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 3 | 5 | 80 | 373 | 39 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.60 | 1.00 | 16.00 | 74.60 | 7.80 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): | | | | | | | | | |
|------------------------|----------|--------|-------|--------|-------------|-------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: | | | | |
| NO. | 32 | 255 | 0 | 287 | NO. | | | | |
| % SAMPLE WEIGHT | 11.15 | 88.85 | 0.00 | 100.00 | % | 210 | 287 | 3 | 500 |
| | 2.16 | 24.39 | 0.00 | 26.55 | | 42.00 | 57.40 | 0.60 | 100.00 |
| MEAN WEIGHT | | | | | MEAN WEIGHT | 88.10 | 103.56 | 75.00 | 96.89 |
| % SAMP. WT. | | | | | % SAMP. WT. | 38.19 | 61.35 | 0.46 | 100.00 |

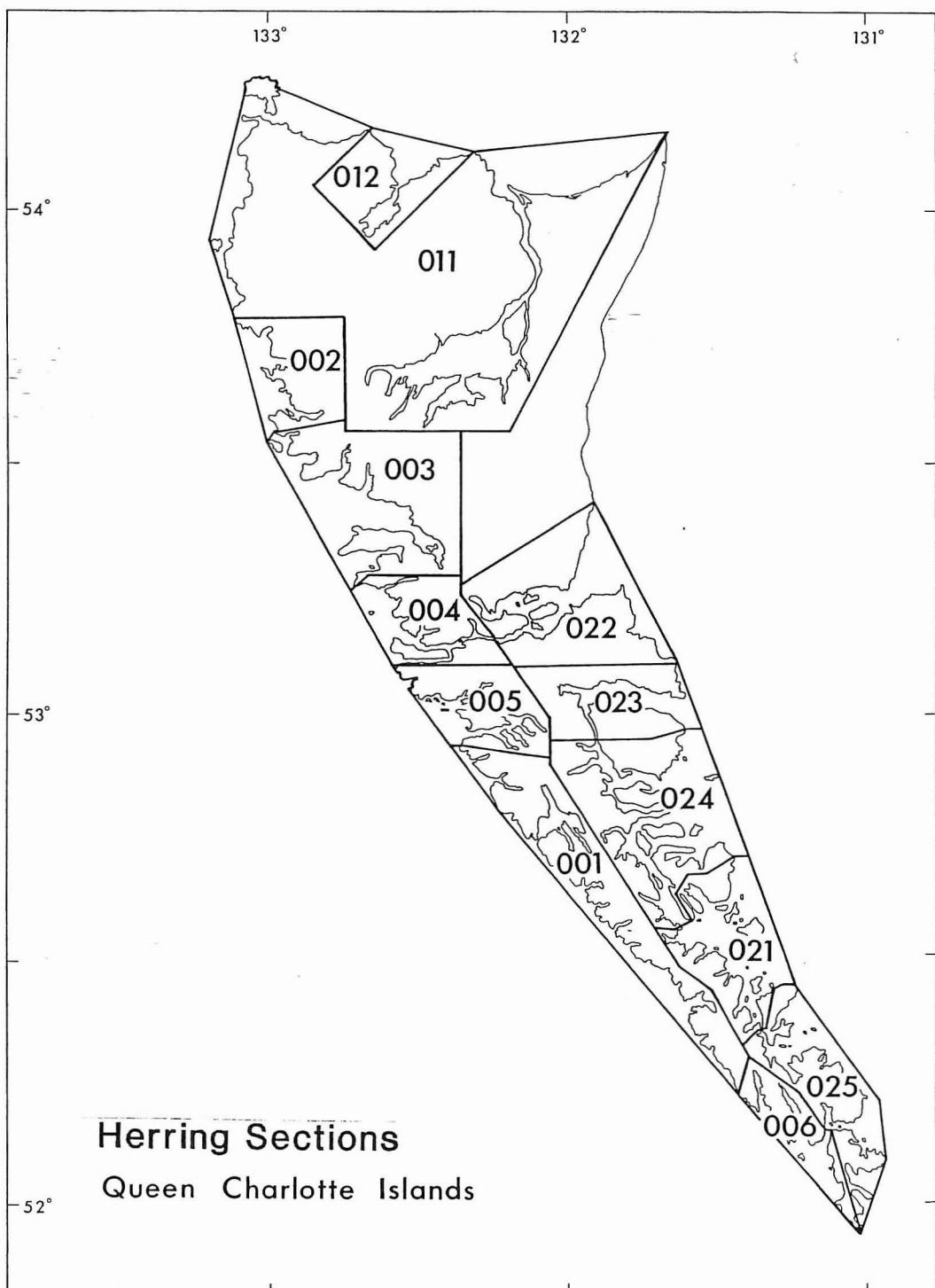


Fig. 1. Herring sections in the Queen Charlotte Islands region.

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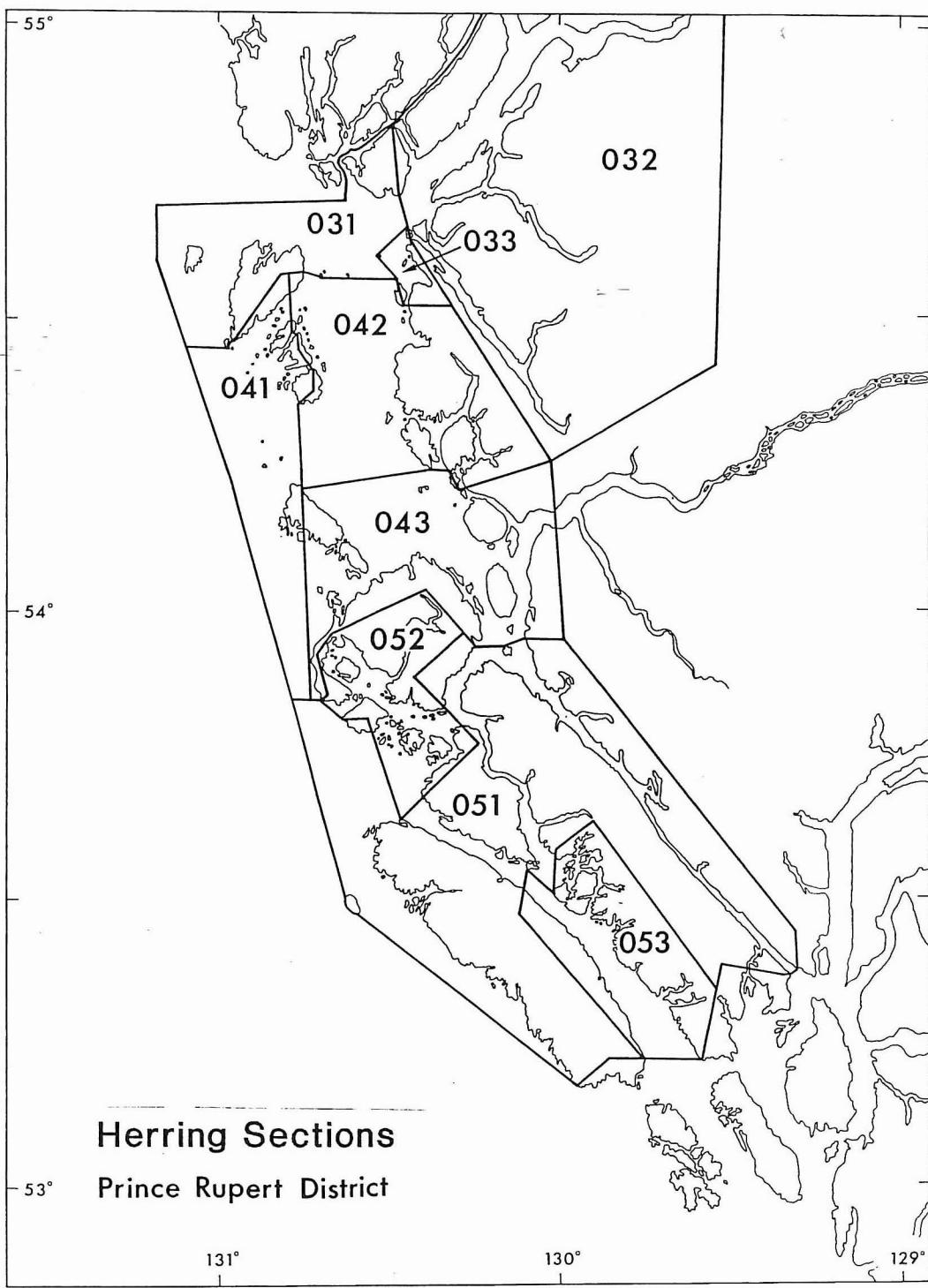


Fig. 2. Herring sections in the Prince Rupert District region.

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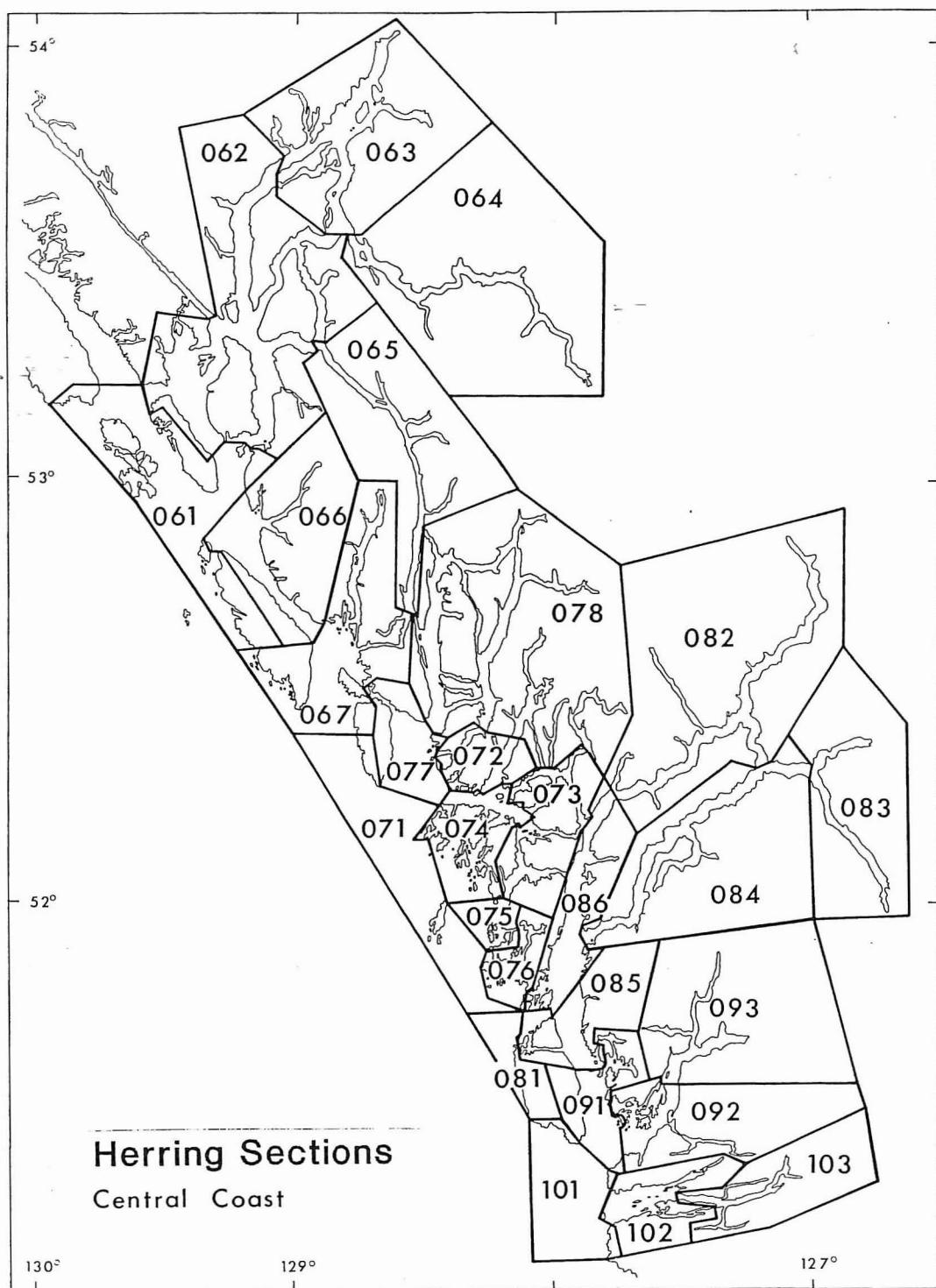


Fig. 3. Herring sections in the Central Coast region.

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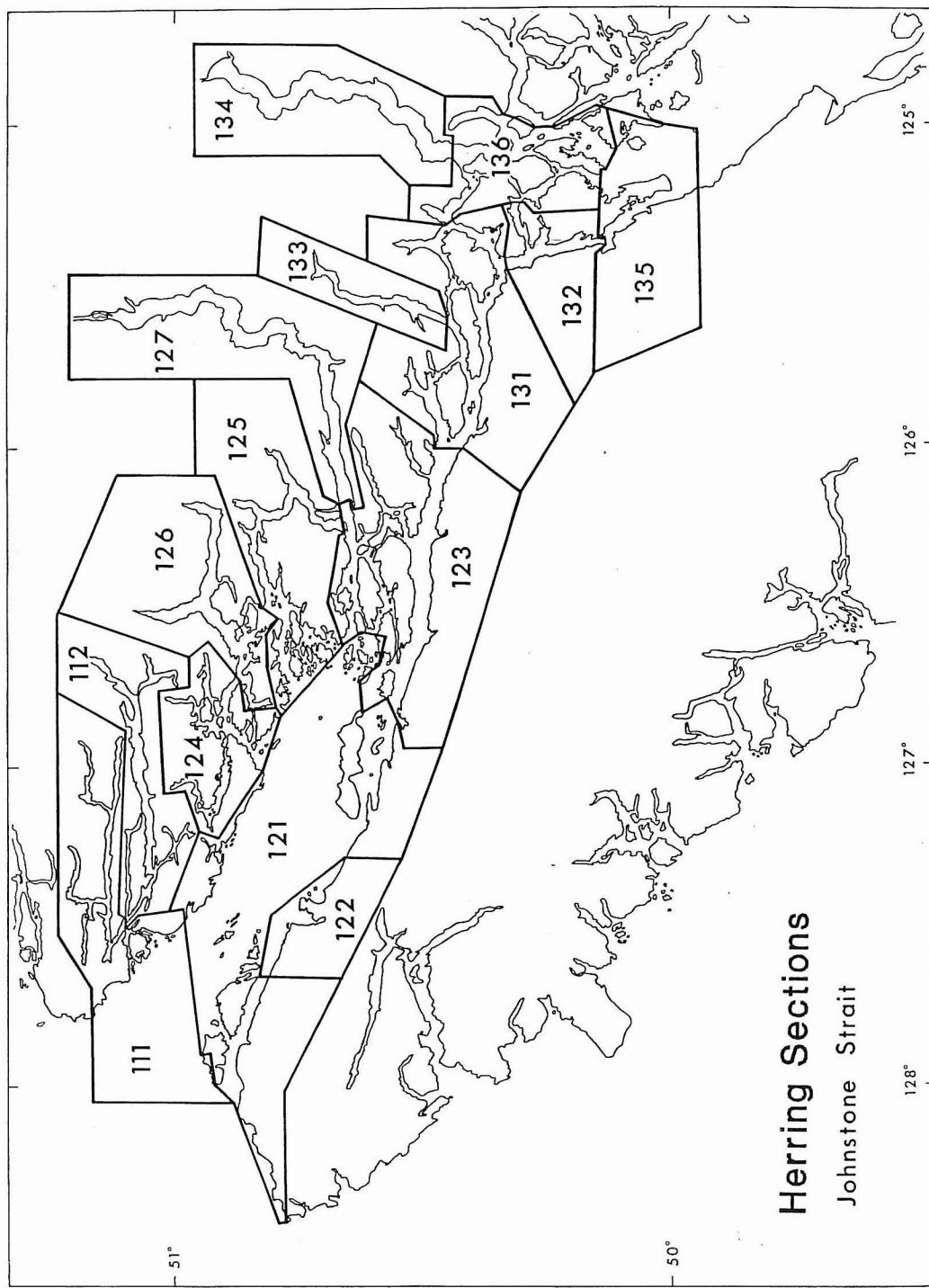


Fig. 4. Herring sections in the Johnstone Strait region.

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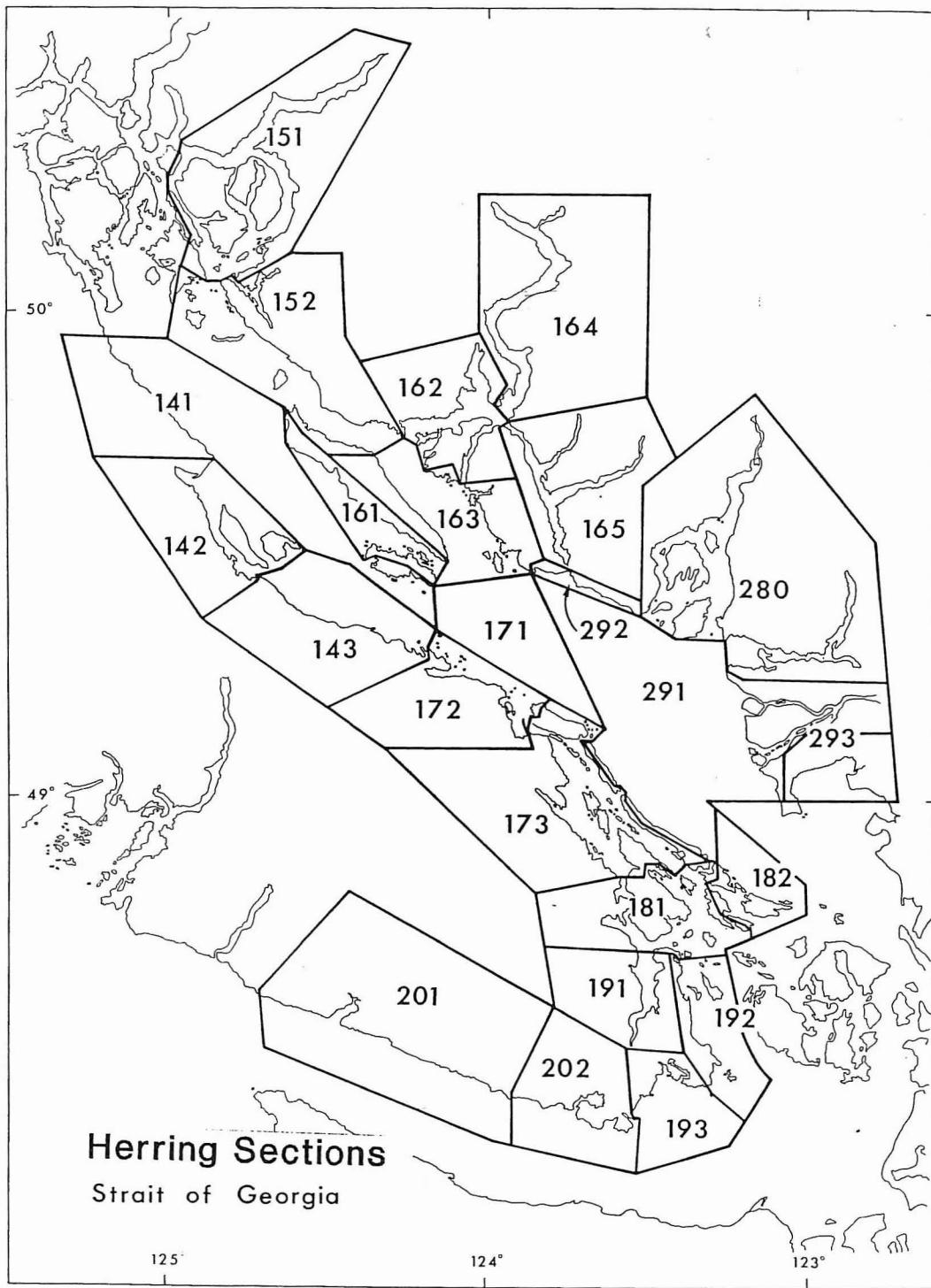


Fig. 5. Herring sections in the Strait of Georgia region.

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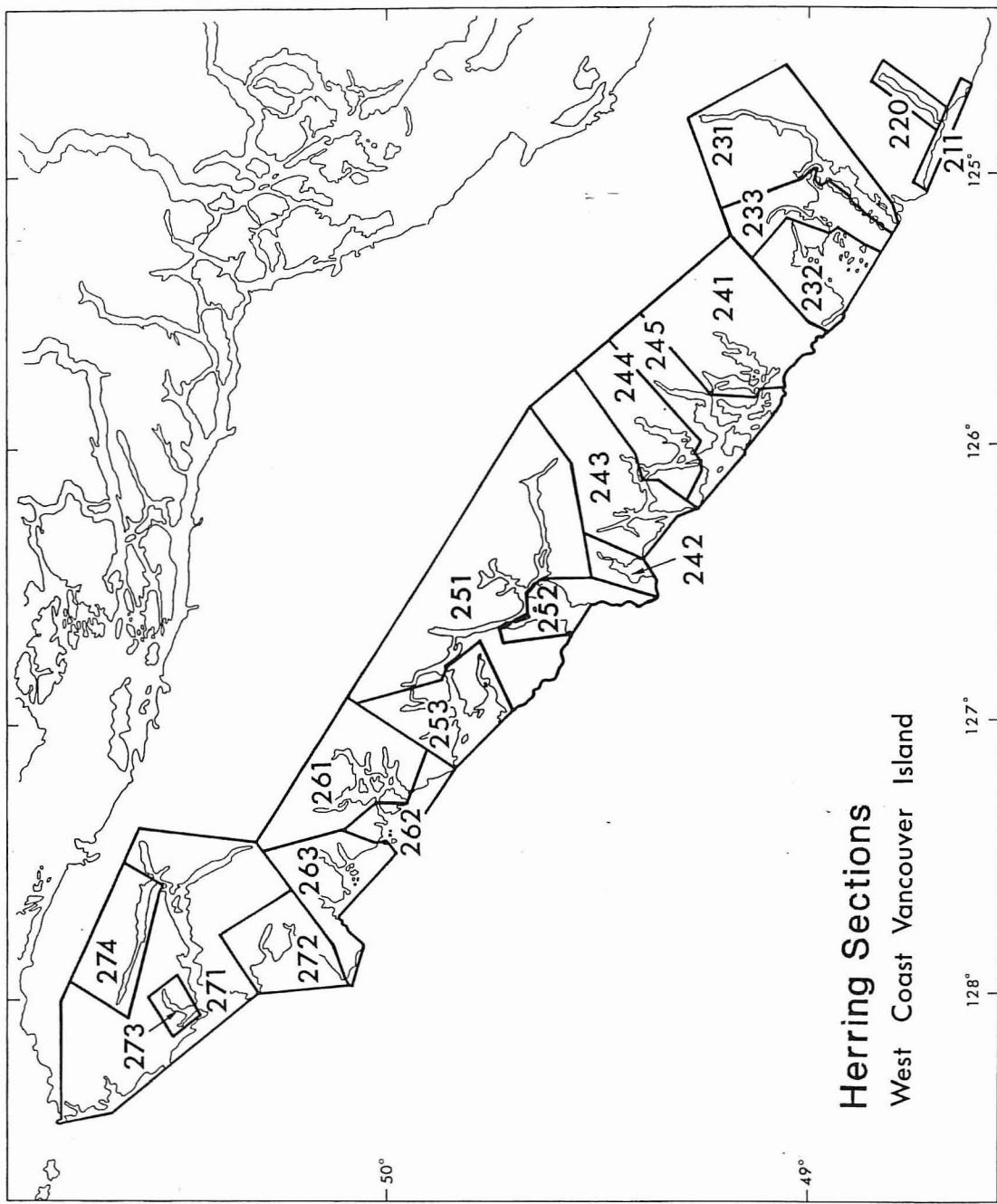


Fig. 6. Herring sections in the West Coast Vancouver Island region.

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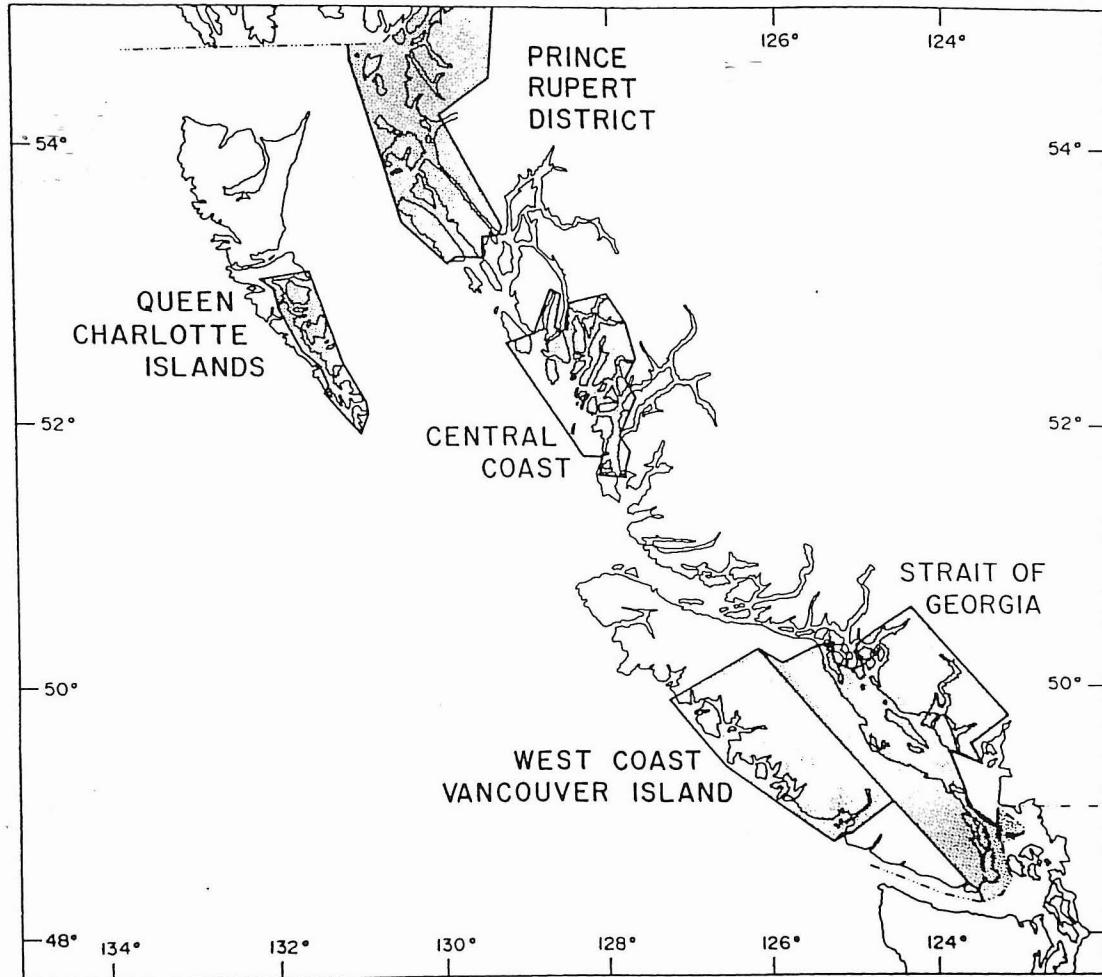


Fig. 7. Herring stock assessment regions in British Columbia.