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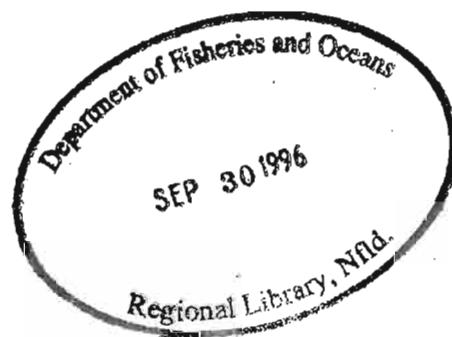
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SUMMARY OF BRITISH COLUMBIA HERRING SAMPLING DATA FOR THE 1994-95 SEASON

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Nanaimo, British Columbia
V9R 5K6



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**Canadian Data Report of
Fisheries and Aquatic Science 996**



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ABSTRACT

Hamer, L., and J. Schweigert. 1996. Summary of British Columbia herring sampling data for the 1994-95 season. Can. Data Rep. Fish. Aquat. Sci. 996: 97p.

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 1994-95 season. Tables are given for two geographical groupings: statistical areas and sections.

Key words: herring samples, age composition, geographical groupings.

RÉSUMÉ

Hamer, L., and J. Schweigert. 1996. Summary of British Columbia herring sampling data for the 1994-95 season. Can. Data Rep. Fish. Aquat. Sci. 996: 97p.

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 harengs échantillonnés en 1994-1995, 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.

Mots-clés: harengs échantillonnées, répartition par age, regroupements géographiques

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 1994-95 herring season which extends from July 1, 1994 to June 30, 1995. This report summarizes biological characteristics by different gear and source types, as well as different types of geographic aggregation. The smallest level of aggregation are herring sections (Figs. 1 - 6), which are subdivisions of Statistical Areas. Stock assessments are conducted by "regions" (Fig. 7).

Individual fish records since the 1950-51 season are maintained on computer files. These files provide a 45-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 pre-spawning herring aggregations. Test fishing operations are set to ensure that the vessels are available before and during the main spawning 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 represents the entire catch in time, gear distribution, and space.

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. 12 vessels in the fall 1994 fishery). Consequently, each vessel participating in this fishery is expected to provide a biological sample.

As well as commercial and test fishing samples, small numbers of miscellaneous "research" samples are collected by Department of Fisheries and

Oceans (DFO) vessels, and occasionally by chartered commercial vessels throughout the year.

All 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 sample information is entered directly into a computer (using a data entry program) as the fish are processed. The data are screened by computer for relationships between age, length, and weight which are outside the normal range for the coast as a whole (mean +/- 2 standard deviations). Anomalies are listed, and the associated data checked for possible errors in recording or coding. Gonad length and weight relationships were determined, and values outside of a range of 3 standard deviations from the mean were deleted.

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, which is the convention for many other fish species.

A revised system of aging 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 an 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 1994/95 season 102 roe fishery samples, 224 test fishing samples, 14 food fishery samples, 10 research samples, 8 spawn-on-kelp samples, and 20 miscellaneous samples were processed, bringing the total number for the season to 378 (Table 3). Thirteen seine vessels and five gillnet vessels were chartered to help manage the 1995 roe herring fisheries through hydro-acoustic surveys, test fishing, and spawn surveys. (Details on the distribution of effort, and number of samples collected are provided in Table 4.) Food fishery samples were taken from areas 13 and 17. Research samples were collected by the W.E.Ricker during a study of herring year-class strength and production off the west coast of Vancouver Island.

Age compositions for samples from the test fishery, and the seine and gillnet roe fisheries are summarized by section in Table 3. Additionally, age compositions are summarized by section, for the period of 1991 to 1995 in Table 6.

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
1995 age compositions	Table 5
1991 - 1995 age compositions	Table 6
Roe herring fishery summaries	Table 7
Data summaries	Tables 8 - 13.

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

Karen Charles, Darlene Gillespie, Sue Janz, Joanne Rankin, and Diana Little of the P.B.S. Fish Ageing Unit determined the ages. J.O.Thomas and Associates Ltd. collected the roe fishery samples, and Tideview Services processed all samples.

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. MS 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 Pre-fishery charter
59 Herring trawl	6 Food
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 1994-95 season.

Area	Sect	Location	Sample						No. of Fish		
			Number	Year	Month	Day	Gear	Source	Pre Sampled	Aged	
17	172	MAUDE ISLAND	1	94	11	6	29	6	0	100	97
17	172	MAUDE ISLAND	2	94	11	13	29	6	0	100	93
17	172	MAUDE ISLAND	3	94	11	17	29	6	0	100	92
17	172	MAUDE ISLAND	4	94	11	20	29	6	0	100	90
17	172	MAUDE ISLAND	5	94	11	14	29	6	0	85	74
17	172	ENTRANCE ISLAND	6	94	11	13	29	6	0	100	96
17	172	MAUDE ISLAND	7	94	11	15	29	6	0	100	92
17	172	NANOOSE BAY	8	94	11	28	29	6	0	100	95
17	172	MAUDE ISLAND	9	94	11	23	29	6	0	100	71
17	172	MAUDE ISLAND	10	94	11	15	29	6	0	100	95
17	172	MAUDE ISLAND	11	94	11	23	29	6	0	63	49
23	231	TREVOR CHAN.	12	94	8	11	59	2	0	100	10
23	239	EDGE 100 FATHOM +	13	94	8	9	59	3	0	100	57
13	132	DEEPWATER BAY	14	94	12	1	29	6	0	100	94
23	239	FORTY MILE BANK	15	94	8	10	59	3	0	100	91
23	239	FORTY MILE BANK	16	94	8	10	59	3	0	100	91
23	239	S.W. CORNER +	17	94	8	4	59	3	0	100	92
17	172	NANOOSE BAY	18	94	11	25	29	6	0	100	92
23	231	TREVOR CHAN.	19	94	8	11	59	2	0	100	65
21	219	SWIFTSURE BANK	20	94	8	5	59	3	0	100	67
23	239	S.W. CORNER +	21	94	8	4	59	3	0	100	90
23	239	EDGE 100 FATHOM +	22	94	8	6	59	3	0	100	88
23	239	FIRING RANGE	23	94	8	11	59	3	0	100	6
23	232	FORBES ISLAND	1	95	2	27	29	5	0	100	97
27	272	MCDUGAL ISLAND	2	95	2	26	29	5	0	100	95
14	142	SHINGLE SPIT	3	95	2	22	29	5	0	100	94
23	232	FORBES ISLAND	4	95	2	27	29	5	0	100	93
14	142	LONGBEAK POINT	5	95	2	27	29	5	0	100	94
14	142	SHIP POINT	6	95	2	23	29	5	0	100	98
27	273	FORWARD INLET	7	95	3	7	29	5	0	100	95
14	142	SEAL ISLETS	8	95	3	9	29	5	0	100	90
23	232	STOPPER ISLANDS	9	95	3	4	29	5	0	100	89
23	232	MACOAH PASSAGE	10	95	2	27	29	5	0	96	87
23	232	SNOWDEN ISLAND	11	95	2	28	29	5	0	100	97
23	232	CHROW ISLANDS	12	95	2	25	29	5	0	100	91
24	243	SYDNEY INLET	13	95	2	25	29	5	0	100	93
24	243	SYDNEY INLET	14	95	2	24	29	4	0	100	90
23	232	FORBES ISLAND	15	95	2	27	29	5	0	100	95
14	142	COMOX BAR	16	95	3	2	29	5	0	100	97
23	232	OTTAWAY ISLET	17	95	2	28	29	5	0	100	97
23	232	AMPHITRITE POINT	18	95	3	2	29	5	0	100	94
23	232	CHROW ISLANDS	19	95	2	20	29	5	0	100	92
24	243	SYDNEY INLET	20	95	2	21	29	5	0	93	84
27	272	MCDUGAL ISLAND	21	95	3	2	29	5	0	100	92
24	249	FLORENCIA BAY	22	95	2	26	29	5	0	100	94
23	232	HERMIT ISLET	23	95	3	6	29	5	0	100	94
14	142	DENMAN POINT	24	95	3	4	29	5	0	100	94
27	272	KLASKISH INLET	25	95	3	1	29	5	0	100	93
14	142	METCALF BAY	26	95	3	1	29	5	0	100	94
14	142	SEAL ISLETS	27	95	3	5	29	5	0	100	98
23	232	DAVID ISLAND	28	95	3	3	29	5	0	100	94
14	142	SEAL ISLETS	29	95	3	3	29	5	0	100	91
14	142	BAYNES SOUND	30	95	2	25	29	5	0	100	97
14	142	FILLONGLEY PARK	31	95	2	28	29	5	0	100	92
23	232	CHROW ISLANDS	32	95	3	7	29	5	0	100	93
27	273	FORWARD INLET	33	95	2	27	29	5	0	100	99
27	272	MCDUGAL ISLAND	34	95	3	9	29	5	0	100	86

Table 3 (cont'd).

Area	Sect	Location	Sample						No. of Fish		
			Number	Year	Month	Day	Gear	Source	Pre	Sampled	Aged
17	172	JACK POINT	35	95	2	26	29	5	0	100	91
23	232	MACOAH PASSAGE	36	95	3	5	29	5	0	100	95
14	142	DENMAN POINT	37	95	3	4	29	5	0	100	95
14	142	LAMBERT CHANNEL	38	95	3	2	29	5	0	100	97
14	142	BAYNES SOUND	39	95	3	2	29	5	0	100	95
17	172	MAUDE ISLAND	40	95	2	25	29	5	0	100	93
27	271	GILLAM ISLANDS	41	95	2	25	29	5	0	100	99
23	232	MACOAH PASSAGE	42	95	3	10	29	5	0	100	92
14	142	SEAL ISLETS	43	95	3	1	29	5	0	100	98
14	142	SHIP POINT	44	95	2	26	29	5	0	100	90
14	142	BOYLE POINT	45	95	3	1	29	5	0	100	98
14	142	BAYNES SOUND	46	95	2	26	29	5	0	100	97
14	142	BAYNES SOUND	47	95	3	1	29	5	0	100	94
27	272	MCDUGAL ISLAND	48	95	3	6	29	5	0	100	95
14	142	BAYNES SOUND	49	95	2	25	29	5	0	100	92
23	232	SHEARS ISLANDS	50	95	3	12	29	5	0	100	90
14	142	BAYNES SOUND	51	95	3	4	29	5	0	100	98
17	173	PYLADES CHANNEL	52	95	3	14	29	5	0	100	77
27	273	GREENWOOD POINT	53	95	3	9	29	5	0	100	94
23	232	FORBES ISLAND	54	95	3	11	29	5	0	100	91
27	272	KLASKISH INLET	55	95	3	8	29	5	0	100	92
23	232	LYALL POINT	56	95	3	9	29	5	0	100	93
14	142	BAYNES SOUND	57	95	2	28	29	5	0	100	100
14	142	DENMAN POINT	58	95	3	4	29	5	0	100	95
27	273	MATTHEWS ISLAND	59	95	3	10	29	5	0	100	96
14	142	BAYNES SOUND	60	95	3	3	29	5	0	100	94
23	232	BEG ISLANDS	61	95	2	26	29	5	0	100	94
24	243	SYDNEY INLET	62	95	2	20	29	4	0	100	95
14	142	SANDY ISLAND	63	95	3	2	29	5	0	100	91
14	142	WHITE SPIT	64	95	3	8	29	5	0	100	92
23	232	DAVID ISLAND	65	95	3	3	29	5	0	100	90
7	74	SEAFORTH CHANNEL	66	95	3	7	29	5	0	100	99
23	232	FORBES ISLAND	67	95	2	22	29	5	0	100	92
23	232	SHEARS ISLANDS	68	95	3	5	29	5	0	100	90
14	142	GARTLEY POINT	69	95	3	5	29	5	0	100	89
14	142	SEAL ISLETS	70	95	2	23	29	5	0	100	96
14	142	UNION POINT	71	95	3	10	29	5	0	100	95
23	232	FORBES ISLAND	72	95	2	23	29	5	0	100	90
17	173	NORTHUMBERLAND CH.	73	95	1	9	29	6	0	100	96
24	243	SYDNEY INLET	74	95	2	21	29	5	0	93	88
13	132	DEEPWATER BAY	75	95	2	24	29	5	0	100	93
17	172	JACK POINT	76	95	3	8	29	5	0	100	96
14	142	BAYNES SOUND	77	95	2	28	29	5	0	100	96
14	142	LONGBEAK POINT	78	95	2	26	29	5	0	100	95
23	232	FORBES ISLAND	79	95	3	2	29	5	0	100	95
14	142	SHINGLE SPIT	80	95	2	24	29	5	0	100	97
6	67	JAMIESON POINT	81	95	3	9	29	5	0	100	96
6	67	JAMIESON POINT	82	95	3	7	29	5	0	100	94
7	72	LAKE ISLAND	83	95	3	21	29	5	0	100	92
7	74	THOMPSON BAY	84	95	3	4	29	5	0	100	92
7	74	SEAFORTH CHANNEL	85	95	3	22	29	5	0	100	96
6	67	JAMIESON POINT	86	95	2	28	29	5	0	100	96
6	67	JAMIESON POINT	87	95	3	16	29	5	0	100	97
6	67	JAMIESON POINT	88	95	3	19	29	4	0	100	94
6	67	KITASU BAY	89	95	3	15	29	5	0	100	95
6	67	JAMIESON POINT	90	95	3	11	29	5	0	100	96

Table 3 (cont'd).

Area	Sect	Location	Sample						No. of Fish		
			Number	Year	Month	Day	Gear	Source	Pre Sampled	Aged	
6	67	PARSONS ANCHORAGE	91	95	3	19	29	4	0	100	93
7	74	DUNDIVAN INLET	92	95	3	5	29	5	0	100	96
6	67	PARSONS ANCHORAGE	93	95	3	16	29	4	0	100	91
6	67	JAMIESON POINT	94	95	3	13	29	5	0	100	95
7	72	BERRY INLET	95	95	3	21	29	5	0	100	96
7	72	FOOTE ISLETS	96	95	3	20	29	5	0	100	94
7	74	CLARIE ISLAND	97	95	3	23	29	5	0	100	93
6	67	MARVIN ISLANDS	98	95	3	1	29	5	0	100	97
6	67	MARVIN ISLANDS	99	95	3	1	29	5	0	100	97
7	74	DUNDIVAN INLET	100	95	3	3	29	5	0	100	91
14	143	NORTHWEST BAY	101	95	3	12	19	0	0	100	86
23	232	STOPPER ISLANDS	102	95	3	4	29	5	0	100	89
14	142	SANDY ISLAND	103	95	3	12	19	0	0	100	87
14	142	KOMAS BLUFF	104	95	3	12	19	0	0	100	88
23	232	MAYNE BAY	105	95	3	3	29	0	0	100	85
14	142	KOMAS BLUFF	106	95	3	12	19	0	0	100	80
14	142	REPULSE POINT	107	95	3	12	19	0	0	100	76
23	232	STOPPER ISLANDS	108	95	3	3	29	0	0	100	84
23	232	DAVID CHANNEL	109	95	3	3	29	0	0	100	93
14	142	LONGBEAK POINT	110	95	3	12	19	0	0	100	79
14	142	KOMAS BLUFF	111	95	3	12	19	0	0	100	83
23	232	STOPPER ISLANDS	112	95	3	3	29	0	0	100	83
7	78	NEEKAS INLET	113	95	3	23	29	0	0	100	89
23	232	STOPPER ISLANDS	114	95	3	3	29	0	0	100	85
14	143	NORTHWEST BAY	115	95	3	12	19	0	0	100	84
23	232	STOPPER ISLANDS	116	95	3	3	29	0	0	100	84
14	142	METCALF BAY	117	95	3	12	19	0	0	100	90
7	72	MOSQUITO BAY	118	95	3	23	29	0	0	100	94
23	232	STOPPER ISLANDS	119	95	3	3	29	0	0	100	88
14	143	NORTHWEST BAY	120	95	3	12	19	0	0	100	89
27	273	MATTHEWS ISLAND	121	95	3	2	29	5	0	100	99
14	142	BAYNES SOUND	122	95	2	26	29	5	0	100	97
14	142	BAYNES SOUND	123	95	2	27	29	5	0	100	97
6	67	KITASU BAY	124	95	3	17	29	5	0	100	95
7	78	NEEKAS INLET	125	95	3	21	29	5	0	100	97
14	142	BAYNES SOUND	126	95	2	28	29	5	0	100	96
7	74	HOUGHTON ISLANDS	127	95	3	12	29	5	0	100	99
7	74	CLARIE ISLAND	128	95	3	25	29	5	0	100	96
6	67	PARSONS ANCHORAGE	129	95	3	14	29	5	0	100	95
14	142	DENMAN ISLAND (EAST)	130	95	3	7	29	5	0	100	94
7	72	BERRY INLET	131	95	3	7	29	5	0	100	98
7	74	CLARIE ISLAND	132	95	3	25	29	5	0	100	92
7	74	DUNDIVAN INLET	133	95	3	11	29	5	0	100	96
7	74	JOANNA ROCK	134	95	3	17	29	5	0	100	95
7	74	QUINOOT POINT	135	95	3	24	29	5	0	100	95
7	74	WASKESIU PASS	136	95	3	10	29	5	0	100	87
7	72	SPILLER LAGOON	137	95	3	22	29	5	0	100	95
7	74	JOANNA ROCK	138	95	3	11	29	5	0	73	9
7	72	SPILLER CHANNEL	139	95	3	27	29	5	0	100	96
7	72	SPILLER CHANNEL	140	95	3	21	29	5	0	100	97
7	76	SPIDER ANCHORAGE	141	95	3	14	29	5	0	100	96
7	72	SPILLER CHANNEL	142	95	3	18	29	5	0	100	98
7	77	EAST HIGGINS PASS	143	95	3	19	29	4	0	100	86
7	74	CLARIE ISLAND	144	95	3	24	29	5	0	100	90
7	74	DUNDIVAN INLET	145	95	3	14	29	5	0	100	93
7	74	DUNDIVAN INLET	146	95	3	8	29	5	0	100	91

Table 3 (cont'd).

Area	Sect	Location	Sample						No. of Fish		
			Number	Year	Month	Day	Gear	Source	Pre	Sampled	Aged
6	67	JAMIESON POINT	147	95	3	17	29	5	0	100	98
7	72	SPILLER CHANNEL	148	95	3	21	29	5	0	100	98
7	74	JOANNA ROCK	149	95	3	22	29	5	0	100	98
7	77	EAST HIGGINS PASS	150	95	3	15	29	5	0	100	97
7	74	JOANNA ROCK	151	95	3	14	29	5	0	100	94
7	72	MOSQUITO BAY	152	95	3	20	29	5	0	100	95
25	253	ROSA HARBOUR	153	95	3	12	29	5	0	100	96
7	72	MOSS PASSAGE	154	95	3	19	29	5	0	100	96
7	74	THOMPSON BAY	155	95	3	9	29	5	0	100	96
7	74	WASKESIU PASS	156	95	3	13	29	5	0	100	98
7	77	EAST HIGGINS PASS	157	95	3	13	29	5	0	100	94
7	74	IDOL POINT	158	95	3	16	29	5	0	100	91
7	74	CLARIE ISLAND	159	95	3	24	29	5	0	100	96
7	74	CLARIE ISLAND	160	95	3	17	29	5	0	100	99
23	232	TOQUART BAY	161	95	3	1	29	5	0	100	93
14	142	COMOX HARBOUR	162	95	2	28	29	5	0	100	98
27	273	FORWARD INLET	163	95	3	5	29	5	0	100	100
14	142	FORD COVE	164	95	3	6	29	5	0	100	94
23	232	FORBES ISLAND	165	95	2	28	29	5	0	100	97
25	253	HARBOUR ISLAND	166	95	2	28	29	5	0	100	96
14	142	SANDY ISLAND	167	95	2	28	29	5	0	100	94
25	252	SAN RAFAEL POINT	168	95	2	28	29	5	0	100	97
14	142	NORRIS ROCKS	169	95	2	20	29	5	0	100	95
17	173	NORTHUMBERLAND CH.	170	95	2	24	29	5	0	100	95
25	253	ROSA HARBOUR	171	95	3	3	29	4	0	100	98
25	253	ROSA HARBOUR	172	95	3	8	29	5	0	100	95
14	142	UNION BAY	173	95	3	3	29	5	0	100	90
23	232	AMPHITRITE POINT	174	95	3	2	29	5	0	100	95
14	143	NORTHWEST BAY	175	95	3	7	29	5	0	100	95
14	142	LONGBEAK POINT	176	95	3	5	29	5	0	100	100
14	142	HENRY BAY	177	95	3	2	29	5	0	100	93
27	273	HUNT ISLETS	178	95	3	5	29	5	0	100	98
23	232	MACOAH PASSAGE	179	95	3	4	29	5	0	100	93
7	74	JOASSA CHANNEL	180	95	3	25	29	5	0	100	57
7	74	LITTLE THOMPSON BAY	181	95	3	19	29	5	0	100	93
8	85	KWAKSHUA CHANNEL	182	95	3	8	29	5	0	100	93
7	74	JOASSA CHANNEL	183	95	3	17	29	5	0	100	87
14	142	BAYNES SOUND	184	95	2	26	29	5	0	100	89
7	74	LITTLE THOMPSON BAY	185	95	3	21	29	5	0	100	96
7	72	SPILLER CHANNEL	186	95	3	20	29	5	0	100	94
8	85	KWAKSHUA CHANNEL	187	95	3	15	29	5	0	100	99
6	67	PARSONS ANCHORAGE	188	95	3	10	29	5	0	100	98
7	74	CLARIE ISLAND	189	95	3	23	29	5	0	100	91
7	74	CLARIE ISLAND	190	95	3	21	29	5	0	100	97
7	74	DUNDIVAN INLET	191	95	2	27	29	5	0	100	99
7	74	JOASSA CHANNEL	192	95	3	18	29	5	0	100	95
27	273	WINTER HARBOUR	193	95	3	9	29	5	0	100	95
25	253	ESPERANZA INLET	194	95	2	26	29	4	0	100	97
7	74	WASKESIU PASS	195	95	3	16	29	5	0	100	98
10	102	TAKUSH HARBOUR	196	95	3	28	29	5	0	100	91
6	67	PARSONS ANCHORAGE	197	95	3	17	29	5	0	100	98
7	74	CLARIE ISLAND	198	95	3	20	29	5	0	100	97
8	85	KEITH ANCHORAGE	199	95	3	26	29	5	0	100	95
7	74	BODDY PASSAGE/NARROWS	200	95	3	21	29	5	0	100	99
23	232	STOPPER ISLANDS	201	95	3	3	29	0	0	100	69
14	142	UNION BAY	202	95	3	5	29	0	0	100	89
7	72	MOSQUITO BAY	203	95	3	23	29	0	0	100	88
14	142	SANDY ISLAND	204	95	3	4	29	0	0	100	90

Table 3 (cont'd).

Area	Sect	Location	Sample						No. of Fish		
			Number	Year	Month	Day	Gear	Source	Pre	Sampled	Aged
14	142	SANDY ISLAND	205	95	3	4	29	0	0	100	84
23	232	STOPPER ISLANDS	206	95	3	3	29	0	0	100	90
14	142	SANDY ISLAND	207	95	3	4	29	0	0	100	89
14	142	METCALF BAY	208	95	3	12	19	0	0	100	85
6	67	PARSONS ANCHORAGE	209	95	3	17	29	5	0	100	95
23	232	DAVID CHANNEL	210	95	3	3	29	0	0	100	95
6	67	KITASU BAY	211	95	3	18	29	0	0	100	92
23	232	SHEARS ISLANDS	212	95	3	3	29	0	0	100	89
14	142	SANDY ISLAND	213	95	3	4	29	0	0	100	78
23	232	SHEARS ISLANDS	214	95	3	3	29	0	0	100	86
23	232	STOPPER ISLANDS	215	95	3	4	29	0	0	100	87
23	232	MACOAH PASSAGE	216	95	3	4	29	5	0	100	89
14	142	SANDY ISLAND	217	95	3	4	29	0	0	100	88
14	142	UNION POINT	218	95	3	5	29	0	0	100	77
7	74	IDOL POINT	219	95	3	19	29	5	0	100	98
7	72	FOOTE ISLETS	220	95	3	19	29	5	0	100	94
4	42	BOAT PASS	221	95	3	27	19	0	0	100	89
6	67	KITASU BAY	222	95	3	18	29	0	0	100	79
7	78	MATHIESON CHANNEL	223	95	3	29	19	0	0	100	89
4	42	PEARL HARBOUR	224	95	3	27	19	0	0	100	85
14	142	SANDY ISLAND	225	95	3	4	29	0	0	100	91
7	72	CECILIA ISLAND	226	95	3	29	19	0	0	100	83
7	72	MOSQUITO BAY	227	95	3	22	29	0	0	100	88
6	67	MARVIN ISLANDS	228	95	3	22	19	0	0	100	90
4	42	BIG BAY	229	95	3	27	19	0	0	100	64
6	67	MARVIN ISLANDS	230	95	3	22	19	0	0	100	91
4	42	BURNT CLIFF ISLAND	231	95	3	27	19	0	0	100	92
7	72	MOSQUITO BAY	232	95	3	23	29	0	0	100	90
6	67	MARVIN ISLANDS	233	95	3	18	29	0	0	100	94
4	42	SLIPPERY ROCK	234	95	3	27	19	0	0	100	87
6	67	MARVIN ISLANDS	235	95	3	22	19	0	0	100	75
7	72	MOSQUITO BAY	236	95	3	23	29	0	0	100	96
6	67	MARVIN ISLANDS	237	95	3	22	19	0	0	100	87
6	67	MARVIN ISLANDS	238	95	3	18	29	0	0	100	87
4	42	SOUTH ISLAND	239	95	3	27	19	0	0	100	90
7	72	SPILLER LAGOON	240	95	3	23	29	0	0	100	91
5	52	COQUITLAM ISLAND	241	95	4	4	29	0	0	100	94
7	72	WATCH ISLAND	242	95	3	29	19	0	0	100	84
5	52	KITKATLA INLET	243	95	4	4	29	0	0	100	91
6	67	MARVIN ISLANDS	244	95	3	22	19	0	0	100	78
5	52	GURD ISLAND	245	95	4	4	29	0	0	100	87
4	42	TREE BLUFF	246	95	3	27	19	0	0	100	82
4	42	BURNT CLIFF ISLAND	247	95	3	27	19	0	0	100	89
6	67	MARVIN ISLANDS	248	95	3	22	19	0	0	100	76
7	72	MOSQUITO BAY	249	95	3	22	29	0	0	100	93
6	67	KITASU BAY	250	95	3	18	29	0	0	100	88
7	72	MOSS PASSAGE	251	95	3	29	19	0	0	100	75
5	52	KITKATLA INLET	252	95	4	4	29	0	0	100	91
14	142	COMOX BAR	253	95	3	4	29	0	0	100	79
7	72	MOSS PASSAGE	254	95	3	29	19	0	0	100	59
6	67	WILBY POINT	255	95	3	22	19	0	0	100	79
7	72	SPILLER CHANNEL	256	95	3	22	29	0	0	100	95
7	72	MOSQUITO BAY	257	95	3	22	29	0	0	100	86
6	67	KITASU BAY	258	95	3	18	29	0	0	100	89
7	72	WATCH ISLAND	259	95	3	29	19	0	0	100	86
7	72	WATCH ISLAND	260	95	3	29	19	0	0	100	85
7	72	FOOTE ISLETS	261	95	3	22	29	0	0	100	91

Table 3 (cont'd).

Area	Sect	Location	Sample						No. of Fish		
			Number	Year	Month	Day	Gear	Source	Pre	Sampled	Aged
14	142	GOOSE SPIT	262	95	3	4	29	0	0	100	85
5	52	GURD ISLAND	263	95	4	4	29	0	0	100	90
7	72	SPILLER LAGOON	264	95	3	23	29	0	0	100	94
7	72	WATCH ISLAND	265	95	3	29	19	0	0	100	79
5	52	ROBERT ISLAND	266	95	4	4	29	0	0	100	93
6	67	KITASU BAY	267	95	3	18	29	0	0	100	80
6	67	PARSONS ANCHORAGE	268	95	3	18	29	0	0	100	80
6	67	KITASU BAY	269	95	3	18	29	0	0	100	70
7	72	MOSQUITO BAY	270	95	3	23	29	0	0	100	88
5	52	ROBERT ISLAND	271	95	4	4	29	0	0	100	76
4	42	GORDON POINT	272	95	3	27	19	0	0	100	87
4	42	GORDON POINT	273	95	3	27	19	0	0	100	83
5	52	KITKATLA INLET	274	95	4	4	29	0	0	100	81
6	67	KITASU BAY	275	95	3	18	29	0	0	100	96
5	52	KITKATLA INLET	276	95	4	4	29	0	0	100	89
7	72	SPILLER CHANNEL	277	95	3	22	29	0	0	100	64
7	72	FOOTE ISLETS	278	95	3	21	29	0	0	100	91
5	52	KITKATLA INLET	279	95	4	4	29	0	0	100	86
7	72	SPILLER LAGOON	280	95	3	23	29	0	0	100	92
7	72	SHINGLE ROCK	281	95	3	22	29	0	0	100	95
6	67	MARVIN ISLANDS	282	95	3	18	29	0	0	100	86
7	74	CREE POINT	283	95	3	29	19	0	0	100	72
5	52	NESS ISLANDS	284	95	4	1	29	5	0	100	92
8	86	WARRIOR COVE	285	95	3	27	29	5	0	100	53
5	52	GURD ISLAND	286	95	4	4	29	0	0	100	91
5	52	ROBERT ISLAND	287	95	3	23	29	5	0	100	97
5	52	ROBERT ISLAND	288	95	4	5	29	0	0	100	93
7	74	THOMPSON BAY	289	95	3	29	19	0	0	100	68
7	78	NEEKAS INLET	290	95	3	22	29	0	0	100	94
5	52	NESS ISLANDS	291	95	4	1	29	5	0	100	95
3	33	MASKELYNE ISLAND	292	95	3	19	29	5	0	100	98
5	52	WILLIS BAY	293	95	3	28	29	5	0	100	92
5	52	KITKATLA INLET	294	95	4	2	29	5	0	100	95
4	42	PEARL HARBOUR	295	95	3	24	29	5	0	100	99
5	52	ROBERT ISLAND	296	95	3	26	29	5	0	100	97
5	52	ROBERT ISLAND	297	95	3	28	29	5	0	100	96
5	52	WILLIS BAY	298	95	3	26	29	5	0	100	90
5	52	NESS ISLANDS	299	95	4	2	29	5	0	100	95
5	52	NESS ISLANDS	300	95	4	1	29	5	0	100	99
5	52	COQUITLAM ISLAND	301	95	4	2	29	5	0	100	96
4	42	SOUTH ISLAND	302	95	3	23	29	5	0	100	96
4	42	GORDON POINT	303	95	3	14	29	5	0	100	97
5	52	COQUITLAM ISLAND	304	95	4	3	29	5	0	100	94
3	33	HOOK POINT	305	95	3	22	29	5	0	100	98
5	52	NESS ISLANDS	306	95	4	1	29	5	0	100	96
3	33	BIRNIE ISLAND	307	95	3	15	29	5	0	100	94
5	52	GURD ISLAND	308	95	4	2	29	5	0	100	95
3	33	CUNNINGHAM PASS	309	95	3	25	29	5	0	100	95
5	52	GURD INLET	310	95	3	28	29	5	0	100	95
5	52	WILLIS BAY	311	95	3	20	29	5	0	100	98
4	42	SHATTOCK POINT	312	95	3	24	29	5	0	100	93
5	52	WILLIS BAY	313	95	3	24	29	5	0	100	92
4	42	GORDON POINT	314	95	3	16	29	5	0	100	94
5	52	ROBERT ISLAND	315	95	3	22	29	5	0	100	97
5	52	ROBERT ISLAND	316	95	3	27	29	5	0	100	97
5	52	GURD ISLAND	317	95	3	31	29	5	0	100	94
5	52	WILLIS BAY	318	95	4	4	29	5	0	100	98

Table 3 (cont'd).

Area	Sect	Location	Sample						No. of Fish		
			Number	Year	Month	Day	Gear	Source	Pre Sampled	Aged	
2	21	HUXLEY ISLAND	319	95	3	27	29	5	0	100	99
2	22	SMITH POINT	320	95	3	15	29	5	0	100	99
2	24	TRAYNOR CREEK	321	95	4	5	29	5	0	100	89
14	142	SANDY ISLAND	322	95	2	21	29	5	0	100	94
5	52	ROBERT ISLAND	323	95	3	28	29	5	0	100	99
14	142	BAYNES SOUND	324	95	2	21	29	5	0	100	93
25	253	ROSA HARBOUR	325	95	3	2	29	5	0	100	94
23	232	FORBES ISLAND	326	95	3	1	29	5	0	100	96
5	52	COQUITLAM ISLAND	327	95	3	31	29	5	0	100	92
2	25	HUSTON INLET	328	95	3	7	29	5	0	100	98
14	142	UNION POINT	329	95	3	3	29	5	0	100	94
2	21	HUXLEY ISLAND	330	95	3	15	29	5	0	100	97
2	24	KILMINGTON POINT	331	95	4	1	29	5	0	100	90
5	52	NESS ISLANDS	332	95	4	2	29	5	0	100	90
5	52	ROBERT ISLAND	333	95	4	3	29	5	0	100	93
2	24	TRAYNOR CREEK	334	95	3	28	29	5	0	100	98
5	52	KITKATLA INLET	335	95	3	29	29	5	0	100	96
23	232	ST. INES ISLAND	336	95	3	17	70	4	0	100	93
25	252	FRIENDLY COVE	337	95	3	24	70	4	0	100	92
23	232	SPILLING ISLET	338	95	3	17	70	4	0	100	92
25	253	NUCHATLITZ VILLAGE	339	95	3	22	70	4	0	100	97
23	232	MACOAH PASSAGE	340	95	3	17	70	4	0	100	93
23	232	LARKIN ISLAND	341	95	3	16	70	4	0	100	91
25	252	SANTA GERTRUDIS COVE	342	95	3	25	70	4	0	100	96
23	232	MACOAH PASSAGE	343	95	3	17	70	4	0	100	97
23	232	ST. INES ISLAND	344	95	3	17	70	4	0	100	96
25	252	FRIENDLY COVE	345	95	3	24	70	4	0	100	96
23	232	ST. INES ISLAND	346	95	3	17	70	4	0	100	91
23	232	MACOAH PASSAGE	347	95	3	17	70	4	0	100	92
23	232	ST. INES ISLAND	348	95	3	17	70	4	0	100	90
23	232	MACOAH PASSAGE	349	95	3	17	70	4	0	100	88
23	232	SPILLING ISLET	350	95	3	17	70	4	0	100	95
23	232	STOPPER ISLANDS	351	95	3	16	70	4	0	100	94
23	232	MAGGIE RIVER	352	95	3	17	70	4	0	100	93
23	232	MAGGIE RIVER	353	95	3	17	70	4	0	100	94
23	232	MACOAH PASSAGE	354	95	3	17	70	4	0	100	98
25	252	FRIENDLY COVE	355	95	3	24	70	4	0	100	96

Table 4. 1995 test fishing vessels, areas and dates of operation, and number of samples processed.

REGION	VESSEL	STAT AREAS	DATES	# SAMPLES PROCESSED
QCI	BERNICE C	2E	MAR 8 - APR 6	7
	*ROYAL PURSUIT (dive survey)	2E	MAR 22 - APR 20	
QCI TOTAL				7
PRD	VAMPY I	3, 4, 5	MAR 14 - APR 12	22
	VIKING PRIDE	3, 4, 5	MAR 22 - APR 5	13
	*NORTHERN OASIS	3, 4, 5		
PRD TOTAL				35
CENT	KYNOC	7, 8, 10	MAR 15 - MAR 29	16
	PACIFIC SKYE	7	MAR 7 - APR 1	21
	ROYAL MARINER	6, 7, 8	MAR 7 - APR 1	14
	ROYAL VIKING	6, 7	FEB 27 - MAR 24	22
	*ANSARE II	6, 7		
	*OCEAN EXPLORER	6, 7		
CENT TOTAL				73
GULF	ANGELA LYNN	13, 14, 17	FEB 20 - MAR 17	19
	KYNOC	14, 17	FEB 24 - MAR 10	16
	PRODIGY	14, 17	FEB 24 - MAR 21	6
	ROYAL PURSUIT	14	FEB 24 - MAR 10	13
	*BOLD CONTENDER	14		
	*KORNAT	14		
GULF TOTAL				54
WCVI	ANTE B	23, 24	FEB 20 - MAR 17	25
	*OCEAN HORIZON (dive survey)	23, 24	FEB 24 - MAR 30	7
	*PROSPECT POINT (dive survey)	23, 25	FEB 24 - MAR 30	8
	VIKING PRIDE	27	FEB 24 - MAR 10	15
WCVI TOTAL				55
TOTAL				224

* Gillnet Test or dive survey Vessel - no samples collected.

Table 5. Percent at age for 1995 seine roe samples, gillnet roe samples, and test fishing samples.

SECTION	SOURCE GEAR	PERCENT AT AGE										NUMBER AGED
		0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	
21 JUAN PEREZ SOUND	5 29	0	40	21	1	3	24	7	3	2	1	196
24 SELWYN INLET	5 29	0	9	12	3	4	39	11	11	8	3	277
25 SKINCUTTLE INLET	5 29	0	14	22	2	7	43	5	3	2	2	197
33 PORT SIMPSON	5 29	0	0	23	13	22	15	22	2	1	1	385
42 AREA 4 NORTH	0 19	0	0	0	1	17	35	39	4	2	2	848
42 AREA 4 NORTH	5 29	0	1	27	12	15	18	25	3	0	1	479
52 KITKATLA INLET	0 29	0	2	8	5	10	54	16	3	2	1	1062
52 KITKATLA INLET	5 29	0	5	15	6	10	48	13	2	1	1	2470
67 LAREDO SOUND	0 19	0	0	1	7	8	66	11	2	3	3	576
67 LAREDO SOUND	0 29	0	0	4	19	9	55	6	2	4	1	941
67 LAREDO SOUND	5 29	0	1	9	24	8	47	5	2	2	2	1442
72 POWELL ANCHORAGE	0 19	0	0	0	11	8	64	10	2	2	4	551
72 POWELL ANCHORAGE	0 29	0	0	3	21	11	51	7	3	2	2	1436
72 POWELL ANCHORAGE	5 29	0	1	5	26	9	48	6	2	2	2	1243
74 THOMPSON BAY	0 19	0	0	0	10	8	65	10	2	2	3	140
74 THOMPSON BAY	5 29	0	2	7	23	10	46	7	2	2	2	3289
76 KILDIDT SOUND	5 29	0	2	18	26	15	31	7	0	1	0	96
77 MILBANKE SOUND	5 29	0	0	7	24	7	49	6	3	3	2	191
78 DON PENINSULA	0 29	0	0	2	19	11	50	8	4	3	3	272
78 DON PENINSULA	5 29	0	1	4	24	4	54	6	0	4	3	97
85 KWAKSHUA CHANNEL	5 29	0	2	9	32	9	33	7	2	1	5	287
86 FITZHUGH SOUND	5 29	98	2	0	0	0	0	0	0	0	0	53
102 TAKUSH HARBOUR	5 29	0	9	20	33	4	20	8	1	2	3	91
132 DEEPWATER BAY	5 29	0	28	46	19	2	4	0	0	0	0	93
142 BAYNES SOUND	0 19	0	0	2	28	38	24	5	2	0	0	668
142 BAYNES SOUND	0 29	0	5	18	39	21	11	3	1	0	0	850
142 BAYNES SOUND	5 29	0	8	22	36	18	11	3	1	0	0	4451
143 QUALICUM	0 19	0	0	3	22	33	31	7	3	1	0	259
143 QUALICUM	5 29	0	11	24	37	14	12	1	2	0	0	95
172 NANOOSE BAY	5 29	0	53	28	16	2	0	0	0	0	0	280
173 YELLOW POINT	5 29	0	36	23	22	9	7	1	1	1	1	172
232 MACOAH PASS	0 29	0	1	13	24	19	26	7	6	3	1	1118
232 MACOAH PASS	5 29	0	1	14	20	20	28	8	5	4	1	2877
243 SYDNEY INLET	5 29	0	1	5	29	22	26	8	6	4	0	265
249 OFFSHORE AREA 24	5 29	0	0	18	19	22	19	7	6	4	3	94
252 NOOTKA SOUND	5 29	0	1	18	45	19	14	2	1	0	0	97
253 ESPERANZA INLET	5 29	0	1	12	45	24	15	1	1	1	0	381
271 OTHER AREA 27	5 29	0	0	5	34	25	27	2	1	2	3	99
272 BROOKS BAY	5 29	0	3	6	42	20	23	3	1	2	0	553
273 FORWARD INLET	5 29	0	1	7	31	27	25	5	2	1	0	776

Table 6. Age compositions for seine samples by section, 1991 - 1995.

Section	Season	Percent at Age										Sample Size
		0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	
1 TASU SOUND	912	0	4	42	14	5	2	24	8	1	0	96
2 PORT LOUIS	901	0	0	23	2	3	60	9	1	0	0	1121
2	912	0	82	7	1	1	0	9	0	0	0	181
2	923	0	2	25	16	18	3	5	28	3	0	661
3 RENNELL SOUND	901	0	1	6	1	2	69	20	1	0	0	1795
3	912	0	1	6	13	1	3	61	12	1	1	1830
3	923	0	1	10	11	12	2	4	52	7	1	1020
3	934	0	5	12	44	15	10	2	6	5	1	188
4 CARTWRIGHT SOUND	923	0	1	10	13	17	3	4	38	11	2	92
5 ENGLEFIELD BAY	901	0	1	11	3	4	68	10	0	1	1	372
5	912	0	0	29	9	1	2	52	7	0	0	97
5	923	0	0	11	24	14	1	6	39	4	1	893
6 LOUSCOONE INLET	901	0	5	3	13	6	68	4	0	0	0	278
6	912	0	1	30	4	8	4	49	2	0	0	1609
6	923	0	0	12	27	7	9	6	36	2	0	289
21 JUAN PEREZ SOUND	901	0	6	4	11	33	34	4	2	5	2	2448
21	912	0	0	57	4	7	14	13	1	1	2	863
21	923	0	0	1	66	3	5	14	9	1	0	294
21	934	0	4	3	2	61	10	6	10	3	1	186
21	945	0	40	21	1	3	24	7	3	2	1	196
23 CUMSHEWA INLET	912	0	0	19	6	13	41	11	5	1	3	281
23	923	0	1	3	15	4	16	48	7	4	2	187
24 SELWYN INLET	901	0	4	5	16	29	33	4	2	5	4	189
24	912	0	1	38	8	11	23	14	3	1	2	380
24	923	0	4	3	46	6	14	17	9	0	1	187
24	934	0	5	5	6	41	13	14	11	3	1	746
24	945	0	9	12	3	4	39	11	11	8	3	277
25 SKINCUTTLE INLET	901	0	15	4	7	18	47	4	2	2	2	472
25	912	0	0	74	6	2	12	4	1	1	0	95
25	923	0	0	3	67	4	5	10	10	1	0	2755
25	934	0	9	2	5	60	5	5	10	3	1	287
25	945	0	14	22	2	7	43	5	3	2	2	197
32 PORTLAND INLET	901	0	43	52	1	2	1	2	1	0	0	181
33 PORT SIMPSON	901	0	0	33	8	17	18	17	3	1	3	758
33	912	0	1	25	62	3	5	3	1	0	0	475
33	923	0	0	15	23	48	3	5	4	1	0	765
33	934	0	2	11	25	29	26	3	2	1	0	664
33	945	0	0	23	13	22	15	22	2	1	1	385
42 AREA 4 NORTH	901	0	1	41	11	17	17	11	2	0	0	549
42	912	0	1	25	53	6	5	5	4	0	0	861
42	923	0	0	21	26	39	4	4	3	2	0	751
42	934	0	1	9	23	26	34	2	3	2	0	772
42	945	0	1	27	12	15	18	25	3	0	1	479
43 AREA 4 SOUTH	901	0	1	59	12	7	7	10	1	2	0	188
51 OTHER AREA S	934	0	0	7	10	53	22	3	4	0	0	90
52 KITKATLA INLET	901	0	1	52	10	11	16	7	1	1	1	2529
52	912	0	0	47	29	6	5	8	4	1	1	2929
52	923	0	0	6	56	22	4	4	5	2	0	2511
52	934	0	0	3	10	55	20	5	4	1	1	4933
52	945	0	4	13	5	10	50	14	2	1	1	3532
67 LAREDO SOUND	901	0	11	19	7	4	50	6	2	0	0	845
67	912	0	0	52	14	3	4	23	3	1	1	1763
67	923	0	2	5	63	12	2	3	12	1	1	1151
67	934	0	1	25	7	49	8	2	3	4	0	672
67	945	0	1	7	22	9	50	6	2	3	2	2383
72 POWELL ANCHORAGE	901	0	2	17	7	6	56	7	3	2	1	2528
72	912	0	1	63	10	2	3	18	1	1	1	1308
72	923	0	3	7	63	10	2	3	10	1	0	3230
72	934	0	1	19	7	56	8	2	3	3	0	2120
72	945	0	1	4	23	10	50	7	2	2	2	2679
73 BELLA BELLA	901	0	3	17	7	7	55	7	3	1	0	278

Table 6 (cont'd)

Section	Season	Percent at Age										Sample Size
		0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	
74 THOMPSON BAY	901	0	4	24	7	7	48	5	4	1	0	456
74	912	0	1	61	10	3	3	19	2	1	1	2140
74	923	0	5	6	66	8	2	2	9	1	1	3329
74	934	0	1	22	10	52	7	2	2	4	0	3130
74	945	0	2	7	23	10	46	7	2	2	2	3289
76 KILDIDT SOUND	945	0	2	18	26	15	31	7	0	1	0	96
77 MILBANKE SOUND	901	0	1	21	6	7	59	5	1	1	0	664
77	912	0	1	55	11	3	7	22	2	0	0	1145
77	923	0	3	6	60	11	2	3	14	1	0	385
77	934	0	0	22	12	51	6	3	3	2	0	269
77	945	0	0	7	24	7	49	6	3	3	2	191
78 DON PENINSULA	901	0	2	18	6	6	56	7	2	2	1	2340
78	912	0	2	63	15	3	2	13	2	0	0	275
78	923	0	2	7	57	10	3	3	15	1	1	474
78	934	0	2	18	8	56	8	2	2	3	1	743
78	945	0	0	4	21	9	49	9	2	3	4	280
85 KWAKSHUA CHANNEL	901	0	4	51	7	9	26	2	0	1	0	91
85	912	0	15	63	11	3	2	5	1	0	0	633
85	923	0	2	16	58	14	2	2	5	1	0	189
85	934	0	1	33	10	39	9	2	2	3	1	193
85	945	0	2	9	32	9	33	7	2	1	5	287
86 FITZHUGH SOUND	945	98	2	0	0	0	0	0	0	0	0	53
102 TAKUSH HARBOUR	912	0	5	57	21	5	5	7	0	0	0	97
102	923	0	0	4	34	21	9	9	21	2	0	91
102	934	0	3	39	10	29	10	2	2	5	1	178
102	945	0	9	20	33	4	20	8	1	2	3	91
132 DEEPWATER BAY	923	0	11	43	38	2	1	2	2	0	0	92
132	945	0	15	35	29	13	7	1	1	0	1	187
133 LOUGHBOROUGH INLET	923	99	1	0	0	0	0	0	0	0	0	85
134 BUTE INLET	901	0	56	19	2	3	19	2	0	0	0	63
142 BAYNES SOUND	901	0	4	21	45	10	16	2	1	0	0	3667
142	912	0	3	54	15	17	4	5	1	0	0	2808
142	923	0	11	39	33	8	6	1	2	0	0	3433
142	934	0	4	43	27	19	4	3	1	0	0	4763
142	945	0	8	21	37	18	11	3	1	0	0	5301
143 QUALICUM	901	0	26	25	30	7	9	3	1	0	0	181
143	912	0	8	63	12	11	3	4	0	0	0	456
143	923	0	19	36	30	7	7	1	1	0	0	372
143	934	0	2	33	32	21	4	5	2	0	0	273
143	945	0	11	24	37	14	12	1	2	0	0	95
152 POWELL RIVER	901	0	8	44	35	5	8	0	0	0	0	91
152	912	0	0	52	14	24	2	7	0	1	0	386
152	923	1	77	17	4	0	0	0	0	0	0	93
172 NANOOSE BAY	901	0	44	23	23	3	5	1	0	0	0	366
172	912	0	8	69	10	10	1	2	0	0	1	187
172	934	0	3	40	28	16	6	4	2	0	0	282
172	945	0	28	28	32	8	3	1	0	0	0	1316
173 YELLOW POINT	901	0	34	21	27	5	10	2	1	0	0	902
173	912	7	8	50	11	15	3	5	1	0	0	1288
173	923	0	27	34	26	5	5	1	1	0	0	1373
173	934	0	14	41	22	15	5	3	1	0	0	651
173	945	0	50	21	16	6	4	1	0	1	0	268
181 SWANSON CHANNEL	901	0	17	21	32	7	19	1	4	0	0	257
181	923	0	17	41	27	5	6	1	3	0	0	266
232 MACOAH PASS	901	0	5	15	23	11	39	3	4	1	0	3631
232	912	0	2	44	11	15	7	19	2	1	0	4110
232	923	0	3	26	40	7	8	5	9	1	1	4705
232	934	0	4	18	22	32	9	6	7	2	0	3367
232	945	0	1	14	21	20	27	7	5	3	1	3995
233 IMPERIAL EAGLE CH	912	0	0	31	14	23	7	22	2	1	1	180
242 HESQUIAT HARBOUR	912	0	0	30	11	16	9	30	0	3	0	119

Table 6 (cont'd)

Section	Season	Percent at Age										Sample Size
		0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	
243 SYDNEY INLET	901	0	8	15	21	11	37	4	3	1	0	792
243	912	0	1	37	12	13	7	24	3	3	0	363
243	923	0	16	33	39	6	4	0	1	0	0	93
243	934	0	2	20	24	34	7	4	6	1	0	745
243	945	0	1	5	29	22	26	8	6	4	0	265
244 MILLER CHANNEL	912	0	4	37	14	16	8	18	2	1	0	159
244	934	0	1	16	21	35	12	6	5	3	0	832
245 VARGAS ISLAND	901	0	2	25	24	12	35	1	1	0	0	84
245	912	0	1	40	11	19	7	19	2	1	0	178
245	934	0	1	15	28	31	12	7	5	1	0	286
249 OFFSHORE AREA 24	945	0	0	18	19	22	19	7	6	4	3	94
252 NOOTKA SOUND	901	0	10	30	19	10	26	3	3	1	0	2084
252	912	0	3	81	7	4	1	3	0	0	0	382
252	923	0	6	33	51	5	3	0	2	0	0	264
252	945	0	1	18	45	19	14	2	1	0	0	97
253 ESPERANZA INLET	901	0	5	35	17	11	22	3	6	1	0	720
253	912	0	2	81	9	4	2	1	0	0	0	488
253	923	0	5	42	43	4	2	2	1	0	0	368
253	934	0	3	48	30	17	2	1	0	0	0	771
253	945	0	1	12	45	24	15	2	1	1	1	381
259 OFFSHORE AREA 25	934	0	5	39	38	18	0	0	0	0	0	97
261 OTHER AREA 26	912	0	9	78	7	1	0	1	0	2	2	94
261	923	0	82	11	4	1	0	0	1	0	0	79
263 CHECLESET BAY	912	0	2	57	8	6	4	18	3	1	1	97
271 OTHER AREA 27	945	0	0	5	34	25	27	2	1	2	3	99
272 BROOKS BAY	901	0	1	29	10	12	31	4	8	4	0	185
272	912	0	1	67	13	4	3	7	1	2	1	844
272	923	0	14	32	37	6	1	2	7	0	1	273
272	934	0	3	33	20	33	6	2	3	1	0	186
272	945	0	3	6	42	20	23	3	1	2	0	553
273 FORWARD INLET	901	1	17	50	8	9	14	1	2	0	0	184
273	912	0	7	78	8	2	2	2	0	0	0	566
273	923	0	7	34	45	5	1	1	4	1	0	270
273	934	0	1	31	26	30	5	2	3	1	0	759
273	945	0	1	7	31	27	25	5	2	1	0	776
291 OTHER AREA 29	923	0	6	38	29	5	14	2	5	0	0	95

Table 7. 1995 Roe Herring Fishery / Catch Information.

GEAR	NO	TARGET	HAILS	AREA/DATE & HOURS OF FISHERY
<u>GEORGIA STRAIT</u>				
GN	410	9113	9112	-AREA 14: -1 TO -15 NORTHERN GEORGIA STRAIT MAR 12 09:00 TO 18:00 (DURATION 09:00)
DOUBLE LICENCED				
SN	53	4006	*3155	-AREA 14: -11 UPPER BAYNES SOUND MAR 4 11:46 TO 18:15 (DURATION 06:29)
			*1054	-AREA 14: -11 UPPER BAYNES SOUND MAR 5 10:31 TO 10:39 (DURATION 00:08)

*TTL 4209				
<u>WEST COAST VANCOUVER ISLAND</u>				
SN	23	1394	**1629	-AREA 23: -9 & -10 POOL FISHERY WEST BARKLEY SOUND AREA MAR 3 15:30 TO 04-MAR 16:20 (DURATION 24:50) (**LANDED WEIGHT)

<u>CENTRAL COAST</u>				
GN	159	1000	1038	-AREA 7: PTN -3, PTN -9, PTN -12, PTN -13, PTN -21, & S/A -22 BELLA BELLA AREA MAR 29 10:00H TO 14:15 H (DURATION 04:15H)
GN	84	484	543	-AREA 6: -16, & PTN -18 KITASU BAY AREA MAR 22 11:00 TO 14:15 (DURATION 03:15)
SN	14	2000	2398	-AREA 6: PTN -18 KITASU BAY AREA MAR 18 10:05 TO 13:57 (DURATION 03:52)
DOUBLE LICENCED				
SN	58	5928	*3686	-AREA 7: -13 & PTN -14 SPILLER CHANNEL AREA MAR 22 10:06 TO 16:00 (DURATION 05:54)
DOUBLE LICENCED				
			*1483	-AREA 7: PTN -13 & PTN -14 SPILLER CHANNEL AREA MAR 23 11:46 TO 11:51 (DURATION 00:05)
			*839	-AREA 7: PTN -13 & PTN -14 SPILLER CHANNEL AREA MAR 23 15:15 TO 16:40 (DURATION 01:25)

*TTL 6008				

NORTH COAST

GN 206 1527 1522 -AREA 3: -2, -4, -5, &
AREA 4: -5, PTN -6, -7, -8, & -14
BIG BAY AREA
MAR 27 08:00 TO 10:45
(DURATION 02:45)

SN 19 1000 *744 -AREA 5: -4 & PTN -8
KITKATLA INLET
APR 4 08:30 TO 19:22
(DURATION 10:52)
*53 -AREA 5: PTN -4 & -8
KITKATLA INLET
APR 5 08:30 TO 13:44
(DURATION 05:14)

*TTL 797

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	TARGET	CATCH	
TOTAL	26452	27256	ALL AREAS (TONS)

=====

TTL GN:	12215	(44.8%)
TTL SN:	15041	(55.2%)

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Table 8. Trawl research sample summaries by section

SECTION: 219 - OFFSHORE AREA 21
 SAMPLE NUMBERS: 20
 SOURCE: RESEARCH - OFFSHORE
 GEAR: HERRING TRAWL
 DATE: AUG 5/94

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	55	8	3	1	0	0	0	0	0	33	100
% AT AGE	0.00	82.09	11.94	4.48	1.49	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN (mm)	0.00	130.73	143.88	164.00	200.00	0.00	0.00	0.00	0.00	0.00	130.00	133.23
- STD. DEV.	0.00	7.42	12.56	6.56	0.00	0.00	0.00	0.00	0.00	0.00	10.94	13.06
WEIGHT - MEAN (gm)	0.00	34.42	50.75	64.33	132.00	0.00	0.00	0.00	0.00	0.00	32.42	36.94
- STD. DEV.	0.00	6.46	13.58	13.05	0.00	0.00	0.00	0.00	0.00	0.00	10.16	14.57

I 22

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	23	51	17	0	0	0	0	0	9	
% AT STAGE	23.00	51.00	17.00	0.00	0.00	0.00	0.00	0.00	9.00	

I 22

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
NO.	31	0	0	31	NO.			36	31	33	100
%	100.00	0.00	0.00	100.00	%			36.00	31.00	33.00	100.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00	MEAN WEIGHT			41.81	38.71	29.97	36.94
					% SAMP. WT.			40.74	32.49	26.77	100.00

Table 8 (cont'd) Trawl research sample summaries by section

SECTION: 231 - TREVOR CHANNEL
 SAMPLE NUMBERS: 12, 19
 SOURCE: RESEARCH - INSHORE
 GEAR: HERRING TRAWL
 DATE: AUG 11/94

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	63	2	2	0	1	2	0	3	2	125	200
% AT AGE	0.00	84.00	2.67	2.67	0.00	1.33	2.67	0.00	4.00	2.67	0.00	100.00
LENGTH - MEAN (mm)	0.00	142.86	177.00	198.50	0.00	219.00	244.50	0.00	243.00	249.00	97.88	119.61
- STD. DEV.	0.00	7.84	11.31	16.26	0.00	0.00	7.78	0.00	18.25	12.73	42.41	48.11
WEIGHT - MEAN (gm)	0.00	43.16	92.00	116.00	0.00	168.00	218.50	0.00	219.33	225.50	21.98	37.99
- STD. DEV.	0.00	8.21	8.49	32.53	0.00	0.00	0.71	0.00	31.07	19.09	38.76	49.96

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HJORT MATURITY STAGES:

	MATURITY STAGE								UNKNOWN	
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	104	84	11	1	0	0	0	0	0	
% AT STAGE	52.00	42.00	5.50	0.50	0.00	0.00	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
	NO.	%	%	%		NO.	%	NO.	%	NO.	%
NO.	48	0	0	48		NO.	39	48	113	200	
%	100.00	0.00	0.00	100.00		%	19.50	24.00	56.50	100.00	
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00		MEAN WEIGHT	85.54	59.65	12.37	37.99	
						% SAMP. WT.	43.91	37.69	18.40	100.00	

Table 8 (cont'd) Trawl research sample summaries by section

SECTION: 239 - OFFSHORE AREA 23
 SAMPLE NUMBERS: 17, 16, 21, 15, 22, 13, 23
 SOURCE: RESEARCH - OFFSHORE
 GEAR: HERRING TRAWL
 DATE: AUG 4/94 - AUG 11/94

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	2	14	176	149	51	71	24	20	8	0	185	700
% AT AGE	0.39	2.72	34.17	28.93	9.90	13.79	4.66	3.88	1.55	0.00	0.00	100.00
LENGTH - MEAN (mm)	83.00	156.21	174.78	186.22	201.78	210.49	219.13	221.75	234.25	0.00	107.23	167.86
- STD. DEV.	2.83	7.76	8.27	9.59	12.34	11.48	10.67	6.08	10.77	0.00	54.42	49.19
WEIGHT - MEAN (gm)	8.00	57.00	83.70	99.65	127.86	146.96	163.71	169.80	197.50	0.00	35.62	89.78
- STD. DEV.	1.41	10.41	10.89	16.27	20.87	23.96	26.91	14.82	17.80	0.00	52.01	52.06

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HJORT MATURITY STAGES:

	MATURITY STAGE								UNKNOWN	
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	132	379	184	1	0	0	0	0	4	
% AT STAGE	18.86	54.14	26.29	0.14	0.00	0.00	0.00	0.00	0.57	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
NO.	289	0	0	289	NO.		247	289	164	700	
%	100.00	0.00	0.00	100.00	%		35.29	41.29	23.43	100.00	
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00	MEAN WEIGHT		113.85	109.06	19.55	89.78	
					% SAMP. WT.		44.75	50.15	5.10	100.00	

Table 9. Food fishery sample summaries by section

SECTION: 132 - DEEPWATER BAY

SAMPLE NUMBERS: 14

SOURCE: FOOD FISHERY

GEAR: HERRING SEINE

DATE: DEC 1/94

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	2	22	36	22	9	1	1	0	1	6	100
% AT AGE	0.00	2.13	23.40	38.30	23.40	9.57	1.06	1.06	0.00	1.06	0.00	100.00
LENGTH - MEAN (mm)	0.00	151.50	176.77	185.94	194.68	196.67	195.00	201.00	0.00	228.00	185.33	186.75
- STD. DEV.	0.00	20.51	10.09	9.79	10.60	7.73	0.00	0.00	0.00	0.00	25.10	14.51
WEIGHT - MEAN (gm)	0.00	48.50	82.00	97.22	110.86	120.67	115.00	119.00	0.00	181.00	99.00	99.35
- STD. DEV.	0.00	19.09	14.95	14.51	19.16	14.82	0.00	0.00	0.00	0.00	52.79	25.04

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	1	37	50	12	0	0	0	0	
% AT STAGE	0.00	1.00	37.00	50.00	12.00	0.00	0.00	0.00	0.00	

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ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
NO.	56	1	0	57	NO.		43	57	0	100	
%	98.25	1.75	0.00	100.00	%		43.00	57.00	0.00	100.00	
% SAMPLE WEIGHT	6.90	0.50	0.00	7.40	MEAN WEIGHT		100.02	98.84	0.00	99.35	
					% SAMP. WT.		43.29	56.71	0.00	100.00	

Table 9 (cont'd) Food fishery sample summaries by section

SECTION: 172 - NANOOSE BAY
 SAMPLE NUMBERS: 1, 2, 18, 8, 3, 9, 10, 4, 11, 5,
 7, 6
 SOURCE: FOOD FISHERY
 GEAR: HERRING SEINE
 DATE: NOV 6/94 - NOV 28/94

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	220	289	373	101	45	7	1	0	0	112	1148
% AT AGE	0.00	21.24	27.90	36.00	9.75	4.34	0.68	0.10	0.00	0.00	0.00	100.00
LENGTH - MEAN (mm)	0.00	163.34	182.97	195.74	203.65	209.40	210.86	220.00	0.00	0.00	185.72	186.68
- STD. DEV.	0.00	10.74	10.59	9.96	8.94	8.60	9.46	0.00	0.00	0.00	20.34	17.82
WEIGHT - MEAN (gm)	0.00	65.06	94.44	117.29	135.30	146.07	153.86	152.00	0.00	0.00	103.04	103.11
- STD. DEV.	0.00	13.71	17.15	17.48	19.74	19.95	18.47	0.00	0.00	0.00	34.82	30.34

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HJORT MATURITY STAGES:

	MATURITY STAGE								UNKNOWN	
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	2	43	465	616	21	1	0	0	0	
% AT STAGE	0.17	3.75	40.51	53.66	1.83	0.09	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL
	IMMATURE	MATURE	SPENT	TOTAL				
NO.	540	0	0	540	NO.	599	540	9 1148
%	100.00	0.00	0.00	100.00	%	52.18	47.04	0.78 100.00
% SAMPLE WEIGHT	5.69	0.00	0.00	5.69	MEAN WEIGHT	101.97	105.33	45.22 103.11
					% SAMP. WT.	51.60	48.05	0.34 100.00

Table 9 (cont'd) Food fishery sample summaries by section

SECTION: 173 - YELLOW POINT
 SAMPLE NUMBERS: 73
 SOURCE: FOOD FISHERY
 GEAR: HERRING SEINE
 DATE: JAN 9/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	72	18	4	2	0	0	0	0	0	4	100
% AT AGE	0.00	75.00	18.75	4.17	2.08	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	151.67	162.00	169.25	179.50	0.00	0.00	0.00	0.00	0.00	141.25	154.37
- STD. DEV.	0.00	11.74	13.37	17.06	10.61	0.00	0.00	0.00	0.00	0.00	13.07	13.76
WEIGHT - MEAN(gm)	0.00	54.74	71.06	79.75	87.50	0.00	0.00	0.00	0.00	0.00	42.50	58.84
- STD. DEV.	0.00	12.56	14.91	19.50	4.95	0.00	0.00	0.00	0.00	0.00	15.20	15.95

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	1	7	16	48	27	1	0	0	0	
% AT STAGE	1.00	7.00	16.00	48.00	27.00	1.00	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL			SEX RATIO:				
	NO.	%	%	%	NO.	%	MALE	FEMALE	IMMATURE	TOTAL	
NO.	36	1	0	37			60	37	3	100	
%	97.30	2.70	0.00	100.00			60.00	37.00	3.00	100.00	
% SAMPLE WEIGHT	9.73	0.00	0.00	9.73			57.33	63.62	30.00	58.84	
					MEAN WEIGHT		58.46	40.01	1.53	100.00	
					% SAMP. WT.						

Table 10. Seine roe fishery sample summaries by area

AREA: 5 - GRENVILLE-PRINCIPE
 SAMPLE NUMBERS: 286,271,252,288,241,243,274,266,279,276,
 263,245
 SOURCE: ROE FISHERY
 GEAR: HERRING SEINE
 DATE: APR 4/95 - APR 5/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	22	88	48	103	570	169	29	20	13	138	1200
% AT AGE	0.00	2.07	8.29	4.52	9.70	53.67	15.91	2.73	1.88	1.22	0.00	100.00
LENGTH - MEAN (mm)	0.00	154.59	175.34	187.27	197.43	200.42	206.60	215.41	215.45	223.69	189.16	197.40
- STD. DEV.	0.00	8.74	10.38	10.51	8.72	9.64	10.38	9.60	9.43	10.40	21.56	15.98
WEIGHT - MEAN (gm)	0.00	48.23	75.20	94.15	112.52	120.55	132.74	146.66	151.25	163.54	103.46	115.51
- STD. DEV.	0.00	7.65	14.16	16.37	18.78	21.02	22.97	19.37	22.25	20.57	33.88	29.21

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HJORT MATURITY STAGES:

	MATURITY STAGE								UNKNOWN	
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	3	0	3	636	500	57	1	0	
% AT STAGE	0.00	0.25	0.00	0.25	53.00	41.67	4.75	0.08	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
					NO.	%				
NO.	0	550	25	575			623	575	2	1200
%	0.00	95.65	4.35	100.00			51.92	47.92	0.17	100.00
% SAMPLE WEIGHT	0.00	28.38	0.00	28.38			109.67	122.20	10.50	115.51
					MEAN WEIGHT		49.29	50.69	0.02	100.00
					% SAMP. WT.					

Table 10 (cont'd) Seine roe fishery sample summaries by area

AREA: 6 - BUTEDALE
 SAMPLE NUMBERS: 275, 282, 250, 267, 269, 268, 211, 258, 233, 238,
 222
 SOURCE: ROE FISHERY
 GEAR: HERRING SEINE
 DATE: MAR 18/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	34	178	83	517	60	16	40	11	159	1099
% AT AGE	0.00	0.11	3.62	18.94	8.83	55.00	6.38	1.70	4.26	1.17	0.00	100.00
LENGTH - MEAN (mm)	0.00	153.00	179.56	189.40	197.84	201.95	207.63	209.94	213.65	219.27	195.88	199.02
- STD. DEV.	0.00	0.00	10.87	9.60	9.58	10.03	9.72	8.17	12.67	9.64	14.44	12.93
WEIGHT - MEAN (gm)	0.00	47.00	83.09	101.92	124.16	130.41	142.98	146.81	153.55	167.91	118.21	124.16
- STD. DEV.	0.00	0.00	15.63	20.63	18.69	24.89	26.00	22.40	31.50	25.43	29.77	29.05

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	10	805	283	1	0	0	
% AT STAGE	0.00	0.00	0.00	0.91	73.25	25.75	0.09	0.00	0.00	

ROE MÄTURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	10	620	0	630	NO.	469	630	0	1099
%	1.59	98.41	0.00	100.00	%	42.68	57.32	0.00	100.00
% SAMPLE WEIGHT	0.25	28.95	0.00	29.20	MEAN WEIGHT	114.80	131.13	0.00	124.16
					% SAMP. WT.	39.46	60.54	0.00	100.00

Table 10 (cont'd) Seine roe fishery sample summaries by area

AREA: 7 - BELLA BELLA
 SAMPLE NUMBERS: 264, 227, 290, 113, 257, 240, 232, 118, 281, 277,
 249, 280, 261, 256, 203, 278, 270, 236,
 SOURCE: ROE FISHERY
 GEAR: HERRING SEINE
 DATE: MAR 21/95 - MAR 23/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	56	341	171	822	117	42	38	31	181	1800
% AT AGE	0.00	0.06	3.46	21.06	10.56	50.77	7.23	2.59	2.35	1.91	0.00	100.00
LENGTH - MEAN (mm)	0.00	160.00	175.21	191.83	200.24	206.25	210.13	215.10	215.61	216.10	198.17	201.97
- STD. DEV.	0.00	0.00	9.90	10.25	9.74	9.43	11.65	12.52	10.15	10.57	15.64	13.48
WEIGHT - MEAN (gm)	0.00	56.00	82.45	109.92	127.95	139.65	148.62	156.98	155.26	160.71	122.50	131.04
- STD. DEV.	0.00	0.00	15.45	20.11	21.14	21.26	24.37	29.84	23.16	27.73	29.54	27.73

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	1	1	3	1302	492	1	0	0	
% AT STAGE	0.00	0.06	0.06	0.17	72.33	27.33	0.06	0.00	0.00	

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ROE MATURITY (FEMALE):

	SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL	
	IMMATURE	MATURE	SPENT	TOTAL					
NO.	4	971	0	975	NO.	825	975	0	1800
%	0.41	99.59	0.00	100.00	%	45.83	54.17	0.00	100.00
% SAMPLE WEIGHT	0.05	30.11	0.00	30.17	MEAN WEIGHT	123.46	137.44	0.00	131.04
					% SAMP. WT.	43.18	56.82	0.00	100.00

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Table 10 (cont'd) Seine roe fishery sample summaries by area

AREA: 14 - COMOX
 SAMPLE NUMBERS: 218,202,253,207,217,262,225,205,213,204,
 SOURCE: ROE FISHERY
 GEAR: HERRING SEINE
 DATE: MAR 4/95 - MAR 5/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	46	156	332	178	96	27	12	2	1	150	1000
% AT AGE	0.00	5.41	18.35	39.06	20.94	11.29	3.18	1.41	0.24	0.12	0.00	100.00
LENGTH - MEAN (mm)	0.00	165.24	182.18	195.64	205.04	212.32	219.11	215.67	231.50	195.00	191.76	195.78
- STD. DEV.	0.00	9.60	11.05	10.57	10.06	10.69	10.91	8.21	14.85	0.00	17.97	16.71
WEIGHT - MEAN (gm)	0.00	62.02	83.89	110.03	129.35	146.05	162.44	159.08	193.50	96.00	106.36	112.25
- STD. DEV.	0.00	11.16	17.04	21.22	22.62	24.70	24.50	30.14	41.72	0.00	36.42	33.05

HJORT MATURITY STAGES:

	MATURITY STAGE								UNKNOWN	
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	2	3	1	11	717	259	7	0	0	
% AT STAGE	0.20	0.30	0.10	1.10	71.70	25.90	0.70	0.00	0.00	

ROE MATURITY (FEMALE):

					SEX RATIO:								
	IMMATURE	MATURE	SPENT	TOTAL					MALE	FEMALE	IMMATURE	TOTAL	
NO.	9	475	2	486					511	486	3	1000	
%	1.85	97.74	0.41	100.00					51.10	48.60	0.30	100.00	
% SAMPLE WEIGHT	0.12	27.17	0.00	27.29					MEAN WEIGHT	106.68	118.49	49.33	112.25
									% SAMP. WT.	48.56	51.30	0.13	100.00

Table 10 (cont'd) Seine roe fishery sample summaries by area

AREA: 23 - BARKLEY SOUND
 SAMPLE NUMBERS: 214, 206, 114, 112, 119, 116, 105, 215, 201, 108,
 210, 109, 212
 SOURCE: ROE FISHERY
 GEAR: HERRING SEINE
 DATE: MAR 3/95 - MAR 4/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	6	147	265	214	294	81	65	37	9	182	1300
% AT AGE	0.00	0.54	13.15	23.70	19.14	26.30	7.25	5.81	3.31	0.81	0.00	100.00
LENGTH - MEAN(mm)	0.00	168.67	185.84	200.47	209.33	216.85	223.84	228.08	232.92	230.44	207.98	208.85
- STD. DEV.	0.00	8.91	8.16	10.21	9.33	7.80	7.71	8.13	9.96	10.41	17.72	16.11
WEIGHT - MEAN(gm)	0.00	69.67	95.69	123.45	143.09	158.29	176.69	182.49	187.11	184.56	139.00	141.86
- STD. DEV.	0.00	7.97	14.49	20.89	22.36	20.35	20.78	20.62	25.49	14.33	36.68	34.19

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	5	967	327	1	0	0	
% AT STAGE	0.00	0.00	0.00	0.38	74.38	25.15	0.08	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
NO.	3	637	0	640	NO.		660	640	0	1300	
%	0.47	99.53	0.00	100.00	%		50.77	49.23	0.00	100.00	
% SAMPLE WEIGHT	0.06	30.03	0.00	30.09	MEAN WEIGHT		136.25	147.63	0.00	141.86	
					% SAMP. WT.		48.76	51.24	0.00	100.00	

Table 11. Gillnet roe fishery sample summaries by section

SECTION: 42 - AREA 4 NORTH
 SAMPLE NUMBERS: 246,247,273,224,231,234,229,239,272,221
 SOURCE: ROE FISHERY
 GEAR: GILLNET
 DATE: MAR 27/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	1	10	144	295	334	35	16	13	152	1000
% AT AGE	0.00	0.00	0.12	1.18	16.98	34.79	39.39	4.13	1.89	1.53	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	202.00	201.20	203.54	206.87	209.58	217.17	215.63	221.77	206.53	207.88
- STD. DEV.	0.00	0.00	0.00	4.57	7.40	8.00	8.60	10.61	14.11	7.90	8.75	9.05
WEIGHT - MEAN(gm)	0.00	0.00	124.00	120.40	125.42	129.34	133.15	148.83	138.63	152.15	130.31	131.23
- STD. DEV.	0.00	0.00	0.00	7.47	13.00	14.36	16.72	23.84	25.44	15.47	14.01	16.31

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	2	671	312	15	0	0	
% AT STAGE	0.00	0.00	0.00	0.20	67.10	31.20	1.50	0.00	0.00	

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ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
	NO.	%	%	%		NO.	%	467	533	0	1000
NO.	0	532	1	533				467	533	0	1000
%	0.00	99.81	0.19	100.00				46.70	53.30	0.00	100.00
% SAMPLE WEIGHT	0.00	28.36	0.00	28.36				127.77	134.26	0.00	131.23
					MEAN WEIGHT			45.47	54.53	0.00	100.00
					% SAMP. WT.						

Table 11 (cont'd) Gillnet roe fishery sample summaries by section

SECTION: 67 - LAREDO SOUND
 SAMPLE NUMBERS: 230,244,228,255,237,248,235
 SOURCE: ROE FISHERY
 GEAR: GILLNET
 DATE: MAR 22/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	3	40	45	380	64	10	17	17	124	700
% AT AGE	0.00	0.00	0.52	6.94	7.81	65.97	11.11	1.74	2.95	2.95	0.00	100.00
LENGTH - MEAN (mm)	0.00	0.00	191.00	201.50	207.40	207.12	212.06	215.70	213.59	220.24	205.16	207.45
- STD. DEV.	0.00	0.00	3.00	8.45	7.54	8.73	10.26	12.76	10.29	10.15	8.79	9.54
WEIGHT - MEAN (gm)	0.00	0.00	108.00	127.30	136.47	135.61	144.00	154.20	137.88	153.65	133.65	136.25
- STD. DEV.	0.00	0.00	6.08	13.25	17.45	18.87	22.44	34.43	20.37	29.35	16.99	19.74

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	4	441	243	12	0	0	
% AT STAGE	0.00	0.00	0.00	0.57	63.00	34.71	1.71	0.00	0.00	

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ROE MATURITY (FEMALE):

	SEX RATIO:				
	IMMATURE	MATURE	SPENT	TOTAL	
NO.	0	356	7	363	
%	0.00	98.07	1.93	100.00	
% SAMPLE WEIGHT	0.00	28.58	0.02	28.60	
					MALE
					FEMALE
					IMMATURE
					TOTAL
NO.					337
%					48.14
MEAN WEIGHT					363
% SAMP. WT.					51.86
					0.00
					100.00
					136.25
					100.00
					700

Table 11 (cont'd) Gillnet roe fishery sample summaries by section

SECTION: 72 - POWELL ANCHORAGE
 SAMPLE NUMBERS: 254,260,242,251,226,265,259
 SOURCE: ROE FISHERY
 GEAR: GILLNET
 DATE: MAR 29/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	0	58	45	352	57	10	9	20	149	700
% AT AGE	0.00	0.00	0.00	10.53	8.17	63.88	10.34	1.81	1.63	3.63	0.00	100.00
LENGTH - MEAN (mm)	0.00	0.00	0.00	200.02	205.11	209.78	211.04	219.00	213.56	221.70	206.66	208.63
- STD. DEV.	0.00	0.00	0.00	7.15	6.52	7.91	7.94	15.20	8.41	10.45	8.96	9.11
WEIGHT - MEAN (gm)	0.00	0.00	0.00	126.09	136.00	137.24	143.04	143.60	146.78	152.35	136.12	137.12
- STD. DEV.	0.00	0.00	0.00	12.88	12.05	18.68	21.28	21.47	13.68	21.81	15.75	18.15

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HJORT MATURITY STAGES:

	MATURITY STAGE								UNKNOWN	
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	1	0	0	2	458	181	57	1	0	
% AT STAGE	0.14	0.00	0.00	0.29	65.43	25.86	8.14	0.14	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL			SEX RATIO:					
	NO.	%	%	%			MALE	FEMALE	IMMATURE	TOTAL		
NO.	1	395	24	420			NO.	279	420	1	700	
%	0.24	94.05	5.71	100.00			%	39.86	60.00	0.14	100.00	
% SAMPLE WEIGHT	0.04	26.50	0.06	26.60			MEAN WEIGHT	130.45	141.52	145.00	137.12	
							% SAMP. WT.	37.92	61.93	0.15	100.00	

Table 11 (cont'd) Gillnet roe fishery sample summaries by section

SECTION: 74 - THOMPSON BAY

SAMPLE NUMBERS: 289,283

SOURCE: ROE FISHERY

GEAR: GILLNET

DATE: MAR 29/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	0	14	11	91	14	3	3	4	60	200
% AT AGE	0.00	0.00	0.00	10.00	7.86	65.00	10.00	2.14	2.14	2.86	0.00	100.00
LENGTH - MEAN (mm)	0.00	0.00	0.00	197.50	198.55	204.81	205.93	211.67	220.00	222.50	201.42	203.70
- STD. DEV.	0.00	0.00	0.00	8.73	6.53	9.24	10.27	11.37	8.19	11.79	8.05	9.73
WEIGHT - MEAN (gm)	0.00	0.00	0.00	129.50	133.64	143.53	146.64	157.33	150.67	166.75	135.82	140.68
- STD. DEV.	0.00	0.00	0.00	18.55	17.01	18.58	20.57	30.66	21.59	30.34	14.68	18.89

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	0	171	29	0	0	0	
% AT STAGE	0.00	0.00	0.00	0.00	85.50	14.50	0.00	0.00	0.00	

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ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
NO.	0	97	0	97		NO.		103	97	0	200
%	0.00	100.00	0.00	100.00		%		51.50	48.50	0.00	100.00
% SAMPLE WEIGHT	0.00	30.71	0.00	30.71		MEAN WEIGHT		135.64	146.04	0.00	140.68
						% SAMP. WT.		49.65	50.35	0.00	100.00

Table 11 (cont'd) Gillnet roe fishery sample summaries by section

SECTION: 78 - DON PENINSULA
 SAMPLE NUMBERS: 223
 SOURCE: ROE FISHERY
 GEAR: GILLNET
 DATE: MAR 29/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	0	15	9	51	4	5	3	2	11	100
% AT AGE	0.00	0.00	0.00	16.85	10.11	57.30	4.49	5.62	3.37	2.25	0.00	100.00
LENGTH - MEAN (mm)	0.00	0.00	0.00	200.87	204.22	211.31	217.00	218.40	228.33	213.50	211.09	210.22
- STD. DEV.	0.00	0.00	0.00	5.59	8.51	7.80	3.74	7.70	3.51	7.78	6.04	9.00
WEIGHT - MEAN (gm)	0.00	0.00	0.00	124.67	138.44	142.06	150.50	138.20	153.00	128.00	132.18	138.23
- STD. DEV.	0.00	0.00	0.00	9.01	19.77	18.41	10.54	16.35	26.29	8.49	15.40	17.93

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	1	79	12	8	0	0	
% AT STAGE	0.00	0.00	0.00	1.00	79.00	12.00	8.00	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL			SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
NO.	0	49	6	55			NO.	45	55	0	100	
%	0.00	89.09	10.91	100.00			%	45.00	55.00	0.00	100.00	
% SAMPLE WEIGHT	0.00	26.26	0.04	26.29			MEAN WEIGHT	133.24	142.31	0.00	138.23	
							% SAMP. WT.	43.38	56.62	0.00	100.00	

Table 11 (cont'd) Gillnet roe fishery sample summaries by section

SECTION: 142 - BAYNES SOUND
 SAMPLE NUMBERS: 107, 106, 208, 104, 117, 103, 110, 111
 SOURCE: ROE FISHERY
 GEAR: GILLNET
 DATE: MAR 12/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	14	185	255	161	34	14	2	2	132	799
% AT AGE	0.00	0.00	2.10	27.74	38.23	24.14	5.10	2.10	0.30	0.30	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	197.79	204.12	211.67	215.27	219.18	221.71	222.00	234.50	210.59	210.81
- STD. DEV.	0.00	0.00	7.52	6.94	7.86	8.49	7.67	8.44	0.00	7.78	7.93	9.21
WEIGHT - MEAN(gm)	0.00	0.00	119.00	126.68	139.88	148.60	159.29	161.79	200.50	184.00	138.23	139.42
- STD. DEV.	0.00	0.00	10.48	13.02	15.83	20.96	19.20	20.91	20.51	60.81	15.04	19.38

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	1	6	615	157	20	0	0	
% AT STAGE	0.00	0.00	0.13	0.75	76.97	19.65	2.50	0.00	0.00	

ROE MATURITY (FEMALE):

	SEX RATIO:									
	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL	
NO.	6	444	10	460		NO.	339	460	0	799
%	1.30	96.52	2.17	100.00		%	42.43	57.57	0.00	100.00
% SAMPLE WEIGHT	0.22	27.22	0.01	27.45		MEAN WEIGHT	137.39	140.91	0.00	139.42
						% SAMP. WT.	41.81	58.19	0.00	100.00

Table 11 (cont'd) Gillnet roe fishery sample summaries by section

SECTION: 143 - QUALICUM
 SAMPLE NUMBERS: 115,101,120
 SOURCE: ROE FISHERY
 GEAR: GILLNET
 DATE: MAR 12/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	7	57	86	81	18	8	2	0	41	300
% AT AGE	0.00	0.00	2.70	22.01	33.20	31.27	6.95	3.09	0.77	0.00	0.00	100.00
LENGTH - MEAN (mm)	0.00	0.00	196.57	205.49	209.05	214.95	220.78	219.13	222.50	0.00	209.29	210.77
- STD. DEV.	0.00	0.00	5.16	7.03	7.63	8.08	8.86	2.30	4.95	0.00	7.58	8.99
WEIGHT - MEAN (gm)	0.00	0.00	118.00	134.44	135.86	144.70	154.94	147.75	151.00	0.00	133.17	138.76
- STD. DEV.	0.00	0.00	7.75	13.40	14.22	17.56	21.23	15.04	9.90	0.00	13.63	16.73

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	0	158	122	20	0	0	
% AT STAGE	0.00	0.00	0.00	0.00	52.67	40.67	6.67	0.00	0.00	

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ROE MATURITY (FEMALE):

	SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL	
	IMMATURE	MATURE	SPENT	TOTAL					
NO.	0	151	14	165	NO.	135	165	0	300
%	0.00	91.52	8.48	100.00	%	45.00	55.00	0.00	100.00
% SAMPLE WEIGHT	0.00	24.89	0.00	24.89	MEAN WEIGHT	137.29	139.96	0.00	138.76
					% SAMP. WT.	44.52	55.48	0.00	100.00

Table 12. Test fishing sample summaries by section

SECTION: 21 - JUAN PEREZ SOUND
SAMPLE NUMBERS: 330,319
SOURCE: TEST FISHING
GEAR: HERRING SEINE
DATE: MAR 15/95 - MAR 27/95

SPECIMENS AT EACH AGE:

SPECIMENS AT EACH AGE:												
	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	78	41	1	5	47	14	6	3	1	4	200
% AT AGE	0.00	39.80	20.92	0.51	2.55	23.98	7.14	3.06	1.53	0.51	0.00	100.00
LENGTH - MEAN (mm)	0.00	161.13	179.95	174.00	201.20	207.00	210.71	215.67	213.33	213.00	166.50	183.09
- STD. DEV.	0.00	6.50	9.04	0.00	4.82	7.51	6.43	7.97	2.89	0.00	7.72	22.27
WEIGHT - MEAN (gm)	0.00	59.23	84.76	67.00	128.60	133.81	142.00	152.83	147.33	147.00	67.25	94.29
- STD. DEV.	0.00	8.26	14.93	0.00	17.01	17.84	19.18	20.25	23.07	0.00	9.60	37.80

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HJORT Maturity Stages:

HJORT MATURITY STAGES:		MATURITY STAGE								
=====	=====	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE		0	0	0	0	124	74	2	0	0
% AT STAGE		0.00	0.00	0.00	0.00	62.00	37.00	1.00	0.00	0.00

ROE MATURITY (FEMALE) :

ROE MATURITY (FEMALE): SEX RATIO:
 ===== ====== ====== =====
 IMMATURE MATURE SPENT TOTAL MALE FEMALE IMMATURE TOTAL
 NO. 0 87 2 89 111 89 0 200
 % 0.00 97.75 2.25 100.00 55.50 44.50 0.00 100.00
 % SAMPLE WEIGHT 0.00 26.19 0.00 26.19 MEAN WEIGHT 88.69 101.26 0.00 94.29
% SAMP. WT. 52.21 47.79 0.00 100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 22 - SKIDEGATE INLET

SAMPLE NUMBERS: 320

SOURCE: TEST FISHING

GEAR: HERRING SEINE

DATE: MAR 15/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	13	22	0	6	46	4	4	2	2	1	100
% AT AGE	0.00	13.13	22.22	0.00	6.06	46.46	4.04	4.04	2.02	2.02	0.00	100.00
LENGTH - MEAN (mm)	0.00	163.77	188.68	0.00	207.17	211.22	208.25	218.50	222.00	219.50	191.00	200.20
- STD. DEV.	0.00	4.75	7.00	0.00	5.42	6.64	4.65	7.42	2.83	3.54	0.00	18.29
WEIGHT - MEAN (gm)	0.00	63.08	97.68	0.00	137.67	147.04	143.25	163.25	163.50	147.50	98.00	125.05
- STD. DEV.	0.00	6.26	14.94	0.00	28.73	17.89	20.76	12.74	2.12	0.71	0.00	35.81

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	0	60	40	0	0	0	
% AT STAGE	0.00	0.00	0.00	0.00	60.00	40.00	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL
	IMMATURE	MATURE	SPENT	TOTAL				
NO.	0	49	0	49				
%	0.00	100.00	0.00	100.00				
% SAMPLE WEIGHT	0.00	29.55	0.00	29.55				
					NO.	51	49	100
					%	51.00	49.00	100.00
					MEAN WEIGHT	115.06	135.45	125.05
					% SAMP. WT.	46.93	53.07	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 24 - LASKEEK BAY
 SAMPLE NUMBERS: 321, 331, 334
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 28/95 - APR 5/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	26	34	7	12	107	30	31	21	9	23	300
% AT AGE	0.00	9.39	12.27	2.53	4.33	38.63	10.83	11.19	7.58	3.25	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.35	184.09	205.57	206.67	207.69	213.33	220.26	217.62	222.22	198.35	203.01
- STD. DEV.	0.00	7.82	9.48	8.46	8.21	9.19	8.55	9.07	9.05	10.46	23.71	19.96
WEIGHT - MEAN(gm)	0.00	62.04	100.94	146.86	145.08	158.06	169.30	187.68	180.95	192.11	138.52	147.79
- STD. DEV.	0.00	8.77	16.89	21.98	23.10	24.06	23.26	28.28	23.79	29.40	44.52	43.51

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	0	209	91	0	0	0	
% AT STAGE	0.00	0.00	0.00	0.00	69.67	30.33	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	SEX RATIO:								
	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL
NO.	0	157	0	157	NO.	143	157	0	300
%	0.00	100.00	0.00	100.00	%	47.67	52.33	0.00	100.00
% SAMPLE WEIGHT	0.00	31.39	0.00	31.39	MEAN WEIGHT	138.69	156.08	0.00	147.79
					% SAMP. WT.	44.73	55.27	0.00	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 25 - SKINCUTTLE INLET
 SAMPLE NUMBERS: 328
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 7/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	15	21	4	7	39	5	3	2	2	2	100
% AT AGE	0.00	15.31	21.43	4.08	7.14	39.80	5.10	3.06	2.04	2.04	0.00	100.00
LENGTH - MEAN(mm)	0.00	162.00	190.19	194.00	205.86	211.74	213.80	218.33	217.00	220.50	214.50	199.27
- STD. DEV.	0.00	4.47	6.71	8.04	4.84	6.72	8.44	3.51	0.00	9.19	13.44	19.33
WEIGHT - MEAN(gm)	0.00	63.67	98.14	114.00	134.86	148.00	141.20	162.33	158.50	178.50	157.00	123.69
- STD. DEV.	0.00	6.77	9.22	23.76	16.73	18.39	13.10	21.50	4.95	12.02	8.49	36.12

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	1	67	32	0	0	0	
% AT STAGE	0.00	0.00	0.00	1.00	67.00	32.00	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE MATURE SPENT TOTAL				SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL	
	NO.	%	NO.	%	NO.	%	NO.	%					
NO.	0	55	0	55					45	55	0	100	
%	0.00	100.00	0.00	100.00					45.00	55.00	0.00	100.00	
% SAMPLE WEIGHT	0.00	28.78	0.00	28.78					MEAN WEIGHT	121.38	125.58	0.00	123.69
									% SAMP. WT.	44.16	55.84	0.00	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 33 - PORT SIMPSON

SAMPLE NUMBERS: 305,292,309,307

SOURCE: TEST FISHING

GEAR: HERRING SEINE

DATE: MAR 15/95 - MAR 25/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	90	51	85	58	85	8	4	3	15	400
% AT AGE	0.00	0.26	23.38	13.25	22.08	15.06	22.08	2.08	1.04	0.78	0.00	100.00
LENGTH - MEAN(mm)	0.00	160.00	172.24	182.25	195.11	201.19	204.25	214.88	218.50	230.67	190.20	191.77
- STD. DEV.	0.00	0.00	9.66	9.96	8.42	8.41	8.61	11.96	11.47	25.77	19.49	16.49
WEIGHT - MEAN(gm)	0.00	55.00	72.14	85.10	110.87	124.74	126.71	148.63	162.00	183.33	107.53	105.79
- STD. DEV.	0.00	0.00	13.25	16.18	19.19	18.50	20.14	20.33	24.04	53.45	32.32	30.46

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	6	299	91	4	0	0	
% AT STAGE	0.00	0.00	0.00	1.50	74.75	22.75	1.00	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
NO.	6	186	2	194	NO.			206	194	0	400
%	3.09	95.88	1.03	100.00	%			51.50	48.50	0.00	100.00
% SAMPLE WEIGHT	0.66	25.94	0.00	26.61	MEAN WEIGHT			98.69	113.34	0.00	105.79
					% SAMP. WT.			48.04	51.96	0.00	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 42 - AREA 4 NORTH

SAMPLE NUMBERS: 302, 314, 312, 295, 303

SOURCE: TEST FISHING

GEAR: HERRING SEINE

DATE: MAR 14/95 - MAR 24/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	4	127	56	72	86	118	12	1	3	21	500
% AT AGE	0.00	0.84	26.51	11.69	15.03	17.95	24.63	2.51	0.21	0.63	0.00	100.00
LENGTH - MEAN (mm)	0.00	162.00	170.09	178.75	195.85	198.47	202.93	211.92	203.00	222.00	198.86	189.93
- STD. DEV.	0.00	8.16	9.78	11.84	7.81	8.53	8.64	14.47	0.00	8.19	16.85	17.16
WEIGHT - MEAN (gm)	0.00	57.00	69.65	83.50	110.25	120.00	127.80	140.08	173.00	161.33	115.33	103.70
- STD. DEV.	0.00	10.68	14.74	15.72	16.49	16.88	19.55	28.31	0.00	8.74	29.18	30.44

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	1	2	13	418	66	0	0	0	
% AT STAGE	0.00	0.20	0.40	2.60	83.60	13.20	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE				SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL
	IMMATURE	MATURE	SPENT	TOTAL	NO.	%	MEAN WEIGHT	% SAMP. WT.				
NO.	14	213	0	227					272	227	1	500
%	6.17	93.83	0.00	100.00					54.40	45.40	0.20	100.00
% SAMPLE WEIGHT	1.30	24.97	0.00	26.27					97.83	110.96	51.00	103.70
									51.32	48.58	0.10	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 52 - KITKATLA INLET
 SAMPLE NUMBERS: 293, 299, 291, 300, 287, 318, 313, 316, 310, 323,
 311, 304, 333, 332, 327, 298, 306, 284, 296, 317,
 301, 315, 297, 294, 335, 308

SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 20/95 - APR 4/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	3	113	368	142	234	1184	320	58	31	16	130	2599
% AT AGE	0.12	4.58	14.90	5.75	9.48	47.95	12.96	2.35	1.26	0.65	0.00	100.00
LENGTH - MEAN(mm)	98.67	149.02	172.33	184.13	193.61	197.56	204.13	212.40	217.55	218.13	183.73	191.49
- STD. DEV.	28.11	12.82	10.13	10.38	9.25	9.90	9.66	10.08	10.51	10.33	21.21	18.00
WEIGHT - MEAN(gm)	14.67	47.63	75.81	97.10	113.28	120.62	132.15	151.43	160.77	157.63	99.07	110.77
- STD. DEV.	13.32	12.41	14.12	16.79	17.01	20.97	20.09	25.56	20.91	25.60	32.34	30.93

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	9	6	4	15	1664	864	34	3	0	
% AT STAGE	0.35	0.23	0.15	0.58	64.02	33.24	1.31	0.12	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
	NO.	%	%	%		NO.	%	NO.	%	NO.	%
NO.	20	1289	13	1322		NO.		1267	1322	10	2599
%	1.51	97.50	0.98	100.00		%		48.75	50.87	0.38	100.00
% SAMPLE WEIGHT	0.16	28.29	0.01	28.45		MEAN WEIGHT		103.15	118.77	19.30	110.77
						% SAMP. WT.		45.39	54.54	0.07	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 67 - LAREDO SOUND
 SAMPLE NUMBERS: 87,209, 81, 89, 98, 82, 90, 86,147,188,
 197, 94,129, 99,124
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 28/95 - MAR 17/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	12	125	344	120	671	77	34	34	25	58	1500
% AT AGE	0.00	0.83	8.67	23.86	8.32	46.53	5.34	2.36	2.36	1.73	0.00	100.00
LENGTH - MEAN (mm)	0.00	146.42	175.39	186.78	196.18	201.20	207.34	212.41	214.29	217.52	188.90	195.56
- STD. DEV.	0.00	7.59	9.77	9.72	9.15	10.61	7.94	11.05	10.16	11.72	15.11	14.91
WEIGHT - MEAN (gm)	0.00	39.50	78.14	98.02	114.97	128.21	138.66	150.21	151.32	168.24	103.52	116.61
- STD. DEV.	0.00	7.79	14.43	18.18	21.14	25.48	21.40	25.97	26.37	28.56	26.18	30.84

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HJORT MATURITY STAGES:

	MATURITY STAGE								UNKNOWN	
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	1	4	11	96	1070	315	3	0	0	
% AT STAGE	0.07	0.27	0.73	6.40	71.33	21.00	0.20	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
					NO.	%				
NO.	79	702	0	781			717	781	2	1500
%	10.12	89.88	0.00	100.00			47.80	52.07	0.13	100.00
% SAMPLE WEIGHT	1.69	25.32	0.00	27.01			108.25	124.50	35.50	116.61
					MEAN WEIGHT					
					% SAMP. WT.		44.37	55.59	0.04	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 72 - POWELL ANCHORAGE

SAMPLE NUMBERS: 142, 152, 131, 83, 137, 220, 154, 148, 139, 95,
140, 186, 96

SOURCE: TEST FISHING

GEAR: HERRING SEINE

DATE: MAR 7/95 - MAR 27/95

SPECIMENS AT EACH AGE:

AGE

	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	15	63	318	110	592	79	22	20	23	57	1299
% AT AGE	0.00	1.21	5.07	25.60	8.86	47.67	6.36	1.77	1.61	1.85	0.00	100.00
LENGTH - MEAN(mm)	0.00	149.13	174.70	192.02	198.09	204.83	207.09	210.77	220.45	215.70	194.02	199.21
- STD. DEV.	0.00	11.64	11.05	10.32	9.25	9.46	9.22	11.33	10.56	10.37	17.71	14.48
WEIGHT - MEAN(gm)	0.00	47.53	79.21	111.19	123.75	137.83	144.87	148.27	169.10	154.48	118.09	126.75
- STD. DEV.	0.00	11.61	17.69	20.40	19.68	22.73	23.05	25.12	23.43	24.80	34.64	29.48

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HJORT MATURITY STAGES:

MATURITY STAGE

	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	1	4	22	982	290	0	0	0
% AT STAGE	0.00	0.08	0.31	1.69	75.60	22.32	0.00	0.00	0.00

ROE MATURITY (FEMALE):

SEX RATIO:

	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL
NO.	18	688	0	706	NO.	592	706	1	1299
%	2.55	97.45	0.00	100.00	%	45.57	54.35	0.08	100.00
% SAMPLE WEIGHT	0.42	28.82	0.00	29.24	MEAN WEIGHT	117.02	134.87	150.00	126.75
					% SAMP. WT.	42.08	57.83	0.09	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 74 - THOMPSON BAY
 SAMPLE NUMBERS: 160, 97, 144, 136, 185, 192, 134, 128, 200, 133,
 151, 191, 159, 181, 127, 85, 219, 156, 138, 155,
 145, 146, 84, 92, 183, 180, 158, 149, 135, 66,
 198, 100, 132, 190, 189, 195

SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 27/95 - MAR 25/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	9	58	226	754	323	1527	214	58	65	52	284	3570
% AT AGE	0.27	1.77	6.88	22.95	9.83	46.47	6.51	1.77	1.98	1.58	0.00	100.00
LENGTH - MEAN(mm)	76.67	146.33	174.07	191.96	200.51	205.23	207.75	213.71	218.02	220.40	178.73	197.38
- STD. DEV.	6.61	12.59	13.40	10.81	9.62	9.20	9.75	10.94	10.94	11.89	43.68	21.15
WEIGHT - MEAN(gm)	4.11	42.91	78.29	108.73	126.21	137.67	145.81	157.83	161.37	170.40	103.84	123.92
- STD. DEV.	1.17	12.29	21.08	21.06	20.86	22.28	22.41	29.60	25.52	31.42	50.71	34.50

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	9	7	6	144	2390	969	5	1	39	
% AT STAGE	0.25	0.20	0.17	4.03	66.95	27.14	0.14	0.03	1.09	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
NO.	106	1747	2	1855		NO.		1666	1855	49	3570
%	5.71	94.18	0.11	100.00		%		46.67	51.96	1.37	100.00
% SAMPLE WEIGHT	1.04	27.23	0.00	28.28		MEAN WEIGHT		116.35	133.72	10.06	123.92
						% SAMP. WT.		43.82	56.07	0.11	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 76 - KILDIDT SOUND
 SAMPLE NUMBERS: 141
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 14/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	2	17	25	14	30	7	0	1	0	4	100
% AT AGE	0.00	2.08	17.71	26.04	14.58	31.25	7.29	0.00	1.04	0.00	0.00	100.00
LENGTH - MEAN (mm)	0.00	143.50	178.82	193.08	198.86	202.87	216.14	0.00	222.00	0.00	185.00	194.99
- STD. DEV.	0.00	14.85	10.79	13.86	8.02	12.73	8.88	0.00	0.00	0.00	10.46	17.17
WEIGHT - MEAN (gm)	0.00	73.50	79.24	97.96	111.36	120.40	150.43	0.00	173.00	0.00	85.00	106.80
- STD. DEV.	0.00	14.85	16.47	22.47	18.62	24.75	15.61	0.00	0.00	0.00	20.93	29.17

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	0	97	3	0	0	0	
% AT STAGE	0.00	0.00	0.00	0.00	97.00	3.00	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
	NO.		NO.			NO.		NO.	NO.		
NO.	0	56	0	56		NO.		44	56	0	100
%	0.00	100.00	0.00	100.00		%		44.00	56.00	0.00	100.00
% SAMPLE WEIGHT	0.00	27.78	0.00	27.78		MEAN WEIGHT		97.86	113.82	0.00	106.80
						% SAMP. WT.		40.32	59.68	0.00	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 77 - MILBANKE SOUND
 SAMPLE NUMBERS: 157,150
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 13/95 - MAR 15/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	14	46	13	93	11	6	5	3	9	200
% AT AGE	0.00	0.00	7.33	24.08	6.81	48.69	5.76	3.14	2.62	1.57	0.00	100.00
LENGTH - MEAN (mm)	0.00	0.00	180.36	188.70	197.00	202.59	202.91	207.33	203.80	219.67	191.89	197.44
- STD. DEV.	0.00	0.00	11.26	10.32	9.59	11.72	9.49	9.61	17.08	5.03	24.93	14.30
WEIGHT - MEAN (gm)	0.00	0.00	85.14	100.30	120.31	129.33	129.82	136.83	129.40	167.00	111.67	119.00
- STD. DEV.	0.00	0.00	21.36	21.57	25.78	27.69	26.76	25.97	36.16	3.46	44.85	30.94

HJORT MATURITY STAGES:

	MATURITY STAGE								UNKNOWN	
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	1	0	0	7	134	58	0	0	0	
% AT STAGE	0.50	0.00	0.00	3.50	67.00	29.00	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL			SEX RATIO:				
	NO.	%	%	%			MALE	FEMALE	IMMATURE	TOTAL	
NO.	6	110	0	116			NO.	84	116	0	200
%	5.17	94.83	0.00	100.00			%	42.00	58.00	0.00	100.00
% SAMPLE WEIGHT	0.89	27.37	0.00	28.26			MEAN WEIGHT	110.04	125.49	0.00	119.00
							% SAMP. WT.	38.84	61.16	0.00	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 78 - DON PENINSULA
 SAMPLE NUMBERS: 125
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 21/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	4	23	4	52	6	0	4	3	3	100
% AT AGE	0.00	1.03	4.12	23.71	4.12	53.61	6.19	0.00	4.12	3.09	0.00	100.00
LENGTH - MEAN(mm)	0.00	147.00	172.50	188.70	201.00	202.87	203.17	0.00	209.75	217.00	167.67	197.42
- STD. DEV.	0.00	0.00	6.61	11.17	4.16	7.77	11.87	0.00	18.54	7.00	29.77	15.11
WEIGHT - MEAN(gm)	0.00	45.00	69.25	105.04	137.75	133.10	129.83	0.00	142.00	162.33	76.33	122.73
- STD. DEV.	0.00	0.00	8.73	22.51	14.08	21.83	26.78	0.00	35.52	23.03	52.62	30.87

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	1	92	7	0	0	0	
% AT STAGE	0.00	0.00	0.00	1.00	92.00	7.00	0.00	0.00	0.00	

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ROE MATURITY (FEMALE):

	SEX RATIO:									
	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL	
NO.	1	45	0	46		NO.	54	46	0	100
%	2.17	97.83	0.00	100.00		%	54.00	46.00	0.00	100.00
% SAMPLE WEIGHT	0.09	29.03	0.00	29.11		MEAN WEIGHT	118.76	127.39	0.00	122.73
						% SAMP. WT.	52.25	47.75	0.00	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 85 - KWAKSHUA CHANNEL
 SAMPLE NUMBERS: 199,182,187
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 8/95 - MAR 26/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	5	25	92	27	96	20	6	3	13	13	300
% AT AGE	0.00	1.74	8.71	32.06	9.41	33.45	6.97	2.09	1.05	4.53	0.00	100.00
LENGTH - MEAN (mm)	0.00	157.40	174.72	188.37	194.56	200.42	204.40	214.67	204.00	213.08	189.15	193.98
- STD. DEV.	0.00	9.86	12.39	11.19	12.61	11.24	9.59	9.16	9.64	6.98	23.07	15.72
WEIGHT - MEAN (gm)	0.00	57.00	72.40	94.85	105.41	117.46	128.35	146.17	111.67	142.92	106.77	106.56
- STD. DEV.	0.00	12.19	18.49	19.68	22.33	21.04	16.77	22.89	21.73	18.68	26.23	27.26

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	1	0	3	1	123	170	2	0	0	
% AT STAGE	0.33	0.00	1.00	0.33	41.00	56.67	0.67	0.00	0.00	

ROE MATURITY (FEMALE):

	SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL	
	IMMATURE	MATURE	SPENT	TOTAL					
NO.	5	145	1	151					
%	3.31	96.03	0.66	100.00					
% SAMPLE WEIGHT	0.14	24.86	0.00	25.00					
					NO.	149	151	0	300
					%	49.67	50.33	0.00	100.00
					MEAN WEIGHT	101.68	111.37	0.00	106.56
					% SAMP. WT.	47.39	52.61	0.00	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 86 - FITZHUGH SOUND
 SAMPLE NUMBERS: 285
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 27/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	52	1	0	0	0	0	0	0	0	0	47	100
% AT AGE	98.11	1.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN (mm)	97.25	124.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.21	95.15
- STD. DEV.	8.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.30	8.69
WEIGHT - MEAN (gm)	10.46	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.02	9.87
- STD. DEV.	2.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.22	2.82

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	72	21	0	0	0	0	0	0	7	
% AT STAGE	72.00	21.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
	NO.	%	%	%		NO.	%	NO.	%	NO.	%
NO.	2	0	0	2		NO.	2	2	2	96	100
%	100.00	0.00	0.00	100.00		%	2.00	2.00	2.00	96.00	100.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00		MEAN WEIGHT	11.50	11.50	11.50	9.80	9.87
						% SAMP. WT.	2.33	2.33	2.33	95.34	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 102 - TAKUSH HARBOUR

SAMPLE NUMBERS: 196

SOURCE: TEST FISHING

GEAR: HERRING SEINE

DATE: MAR 28/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	8	18	29	4	18	7	1	2	3	9	99
% AT AGE	0.00	8.89	20.00	32.22	4.44	20.00	7.78	1.11	2.22	3.33	0.00	100.00
LENGTH - MEAN (mm)	0.00	136.13	163.28	171.48	187.00	190.89	199.14	217.00	195.50	209.00	167.78	174.99
- STD. DEV.	0.00	6.66	12.07	14.61	9.20	9.69	15.20	0.00	9.19	2.65	14.53	21.30
WEIGHT - MEAN (gm)	0.00	31.75	61.33	77.28	100.50	112.28	121.86	164.00	100.50	142.33	75.22	84.28
- STD. DEV.	0.00	6.67	17.22	23.58	17.25	26.15	30.26	0.00	16.26	21.36	32.71	35.63

HJORT MATURITY STAGES:

	MATURITY STAGE								UNKNOWN	
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	1	0	1	71	26	0	0	0	
% AT STAGE	0.00	1.01	0.00	1.01	71.72	26.26	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL	
	1	52	0	53		NO.		45	53	1	99	
NO.	1	52	0	53		%		45.45	53.54	1.01	100.00	
%	1.89	98.11	0.00	100.00		% SAMPLE WEIGHT		MEAN WEIGHT	76.42	91.72	44.00	84.28
% SAMPLE WEIGHT	0.25	27.75	0.00	28.00				% SAMP. WT.	41.22	58.26	0.53	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 132 - DEEPWATER BAY
 SAMPLE NUMBERS: 75
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 24/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	26	42	18	2	4	0	0	0	0	7	99
% AT AGE	0.00	28.26	45.65	19.57	2.17	4.35	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN (mm)	0.00	157.35	173.05	184.06	172.00	196.75	0.00	0.00	0.00	0.00	164.00	171.22
- STD. DEV.	0.00	5.58	9.28	11.31	5.66	2.22	0.00	0.00	0.00	0.00	21.83	14.45
WEIGHT - MEAN (gm)	0.00	47.96	63.95	76.94	64.00	97.75	0.00	0.00	0.00	0.00	53.86	62.77
- STD. DEV.	0.00	14.27	12.35	14.18	2.83	11.79	0.00	0.00	0.00	0.00	25.90	18.64

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	1	12	3	33	50	0	0	0	0	
% AT STAGE	1.01	12.12	3.03	33.33	50.51	0.00	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
NO.	28	18	0	46	NO.			51	46	2	99
%	60.87	39.13	0.00	100.00	%			51.52	46.46	2.02	100.00
% SAMPLE WEIGHT	6.14	6.70	0.00	12.84	MEAN WEIGHT			63.27	62.33	60.00	62.77
					% SAMP. WT.			51.93	46.14	1.93	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 142 - BAYNES SOUND
 SAMPLE NUMBERS: 130, 29, 3,177, 39, 80,122, 47, 31, 38,169,176,
 71, 45,162,329, 5, 69, 49, 57, 26, 43,126, 30,
 27, 6,167, 60,164, 24,123, 16, 8, 37, 46, 78,
 324, 44, 70,322,173, 77, 63, 58, 51,184, 64

SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 20/95 - MAR 10/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	372	976	1611	795	503	125	47	16	3	249	4697
% AT AGE	0.00	8.36	21.94	36.22	17.87	11.31	2.81	1.06	0.36	0.07	0.00	100.00
LENGTH - MEAN(mm)	0.00	162.79	179.60	193.72	203.72	210.09	216.92	219.40	224.94	231.33	193.13	192.76
- STD. DEV.	0.00	10.89	12.20	11.13	11.00	10.04	7.90	12.04	6.45	7.09	20.55	18.08
WEIGHT - MEAN(gm)	0.00	59.48	84.64	110.30	132.15	145.11	162.30	164.30	185.25	215.67	112.25	110.72
- STD. DEV.	0.00	12.67	18.96	22.14	25.32	25.92	24.12	32.98	20.37	46.14	39.29	35.00

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	1	12	9	461	3533	671	8	2	0	
% AT STAGE	0.02	0.26	0.19	9.81	75.22	14.29	0.17	0.04	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
	NO.	%	%	%		NO.	%	NO.	%	NO.	%
NO.	308	2029	5	2342		NO.		2344	2342	11	4697
%	13.15	86.64	0.21	100.00		%		49.90	49.86	0.23	100.00
% SAMPLE WEIGHT	2.19	24.20	0.01	26.40		MEAN WEIGHT		105.38	116.38	41.91	110.72
						% SAMP. WT.		47.50	52.41	0.09	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 143 - QUALICUM
 SAMPLE NUMBERS: 175
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 7/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	10	23	35	13	11	1	2	0	0	5	100
% AT AGE	0.00	10.53	24.21	36.84	13.68	11.58	1.05	2.11	0.00	0.00	0.00	100.00
LENGTH - MEAN (mm)	0.00	173.40	183.48	194.83	209.38	215.00	215.00	227.00	0.00	0.00	194.20	195.00
- STD. DEV.	0.00	8.03	11.38	10.57	8.40	9.77	0.00	15.56	0.00	0.00	20.10	16.86
WEIGHT - MEAN (gm)	0.00	69.60	89.96	102.17	135.77	143.00	159.00	187.50	0.00	0.00	112.80	107.77
- STD. DEV.	0.00	8.46	18.64	14.01	21.68	24.74	0.00	34.65	0.00	0.00	37.10	31.09

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	0	61	35	4	0	0	
% AT STAGE	0.00	0.00	0.00	0.00	61.00	35.00	4.00	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
	NO.	%	%			NO.	%	59	41	0	100
% SAMPLE WEIGHT	0	40	2.44	100.00		%	59.00	41.00	0.00	100.00	
	0.00	97.56	2.44	100.00		MEAN WEIGHT	104.98	111.78	0.00	107.77	
	0.00	27.67	0.00	27.67		% SAMP. WT.	57.47	42.53	0.00	100.00	

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 172 - NANOOSE BAY
SAMPLE NUMBERS: 40, 76, 35
SOURCE: TEST FISHING
GEAR: HERRING SEINE
DATE: FEB 25/95 - MAR 8/95

SPECIMENS AT EACH AGE:

	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	148	79	45	6	1	0	0	0	1	20	300
% AT AGE	0.00	52.86	28.21	16.07	2.14	0.36	0.00	0.00	0.00	0.36	0.00	100.00
LENGTH - MEAN (mm)	0.00	162.28	170.08	186.09	195.33	221.00	0.00	0.00	0.00	218.00	169.75	169.45
- STD. DEV.	0.00	10.55	11.94	18.41	16.57	0.00	0.00	0.00	0.00	0.00	19.53	16.37
WEIGHT - MEAN (gm)	0.00	55.43	66.63	91.69	102.83	154.00	0.00	0.00	0.00	151.00	65.10	66.06
- STD. DEV.	0.00	13.27	15.71	26.48	32.77	0.00	0.00	0.00	0.00	0.00	28.14	23.55

HJORT MATURITY STAGES:

	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	13	7	94	176	5	0	5	0
% AT STAGE	0.00	4.33	2.33	31.33	58.67	1.67	0.00	1.67	0.00

ROE Maturity (Female) :

	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL
NO.	66	67	3	136	NO.	160	136	4	300
%	48.53	49.26	2.21	100.00	%	53.33	45.33	1.33	100.00
% SAMPLE WEIGHT	6.76	12.19	0.00	18.95	MEAN WEIGHT	63.41	70.05	36.00	66.06
					% SAMP. WT.	51.20	48.07	0.73	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 173 - YELLOW POINT
 SAMPLE NUMBERS: 170, 52
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 24/95 - MAR 14/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	62	39	38	15	12	2	1	2	1	27	199
% AT AGE	0.00	36.05	22.67	22.09	8.72	6.98	1.16	0.58	1.16	0.58	0.00	100.00
LENGTH - MEAN (mm)	0.00	166.06	177.77	193.58	208.00	212.17	221.50	229.00	195.50	225.00	173.89	182.08
- STD. DEV.	0.00	10.90	14.62	13.33	9.03	11.69	2.12	0.00	4.95	0.00	26.73	21.92
WEIGHT - MEAN (gm)	0.00	61.24	78.33	106.53	136.33	140.75	165.00	161.00	115.00	152.00	81.81	89.03
- STD. DEV.	0.00	15.95	21.55	26.26	26.06	28.33	26.87	0.00	22.63	0.00	38.50	36.92

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	1	4	0	31	158	0	5	0	0	
% AT STAGE	0.50	2.01	0.00	15.58	79.40	0.00	2.51	0.00	0.00	

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ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL
					NO.	%	MEAN WEIGHT	% SAMP. WT.				
NO.	21	75	1	97					101	97	1	199
%	21.65	77.32	1.03	100.00					50.75	48.74	0.50	100.00
% SAMPLE WEIGHT	3.28	20.55	0.00	23.82					83.53	95.33	32.00	89.03
									47.62	52.20	0.18	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 232 - MACOAH PASS
 SAMPLE NUMBERS: 174,326, 15, 68, 72, 23,179, 67, 79, 65,
 18, 19, 42, 17, 50, 61, 56, 32, 4, 10,
 9, 1,161,216, 12,102, 54,165, 36, 28, 11
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 20/95 - MAR 12/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	28	405	585	581	802	217	131	100	23	219	3091
% AT AGE	0.00	0.97	14.10	20.37	20.23	27.92	7.56	4.56	3.48	0.80	0.00	100.00
LENGTH - MEAN (mm)	0.00	169.50	186.61	199.47	210.15	216.64	222.11	226.95	230.53	231.09	209.30	208.67
- STD. DEV.	0.00	8.85	9.15	9.44	8.94	8.48	9.06	9.60	8.84	10.12	17.45	15.91
WEIGHT - MEAN (gm)	0.00	71.29	99.06	124.68	147.03	162.19	175.15	182.59	191.48	189.09	145.84	144.91
- STD. DEV.	0.00	12.55	16.14	20.93	22.03	22.11	23.76	24.68	22.85	19.45	36.19	34.68

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	104	2380	603	4	0	0	
% AT STAGE	0.00	0.00	0.00	3.36	77.00	19.51	0.13	0.00	0.00	

ROE MATURITY (FEMALE):

	SEX RATIO:									
	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL	
NO.	89	1450	3	1542		NO.	1549	1542	0	3091
%	5.77	94.03	0.19	100.00		%	50.11	49.89	0.00	100.00
% SAMPLE WEIGHT	1.17	28.16	0.00	29.33		MEAN WEIGHT	138.24	151.62	0.00	144.91
						% SAMP. WT.	47.80	52.20	0.00	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 243 - SYDNEY INLET
 SAMPLE NUMBERS: 74, 20, 13
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 21/95 - FEB 25/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	3	12	77	58	69	20	15	11	0	21	286
% AT AGE	0.00	1.13	4.53	29.06	21.89	26.04	7.55	5.66	4.15	0.00	0.00	100.00
LENGTH - MEAN (mm)	0.00	164.00	185.92	201.09	211.74	218.67	225.90	230.00	231.00	0.00	215.19	211.90
- STD. DEV.	0.00	6.08	9.74	9.56	8.52	7.97	7.58	8.31	10.50	0.00	20.32	15.46
WEIGHT - MEAN (gm)	0.00	66.67	97.67	127.95	146.43	165.00	181.10	193.33	184.18	0.00	156.00	150.09
- STD. DEV.	0.00	8.14	17.83	20.78	23.08	24.53	23.97	25.78	24.61	0.00	39.26	34.20

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	32	206	47	0	1	0	
% AT STAGE	0.00	0.00	0.00	11.19	72.03	16.43	0.00	0.35	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:			
					NO.	%	MALE	FEMALE
NO.	30	127	1	158			128	158
%	18.99	80.38	0.63	100.00			44.76	55.24
% SAMPLE WEIGHT	4.74	24.00	0.00	28.74			142.41	156.32
					MEAN WEIGHT		42.46	57.54
					% SAMP. WT.		0.00	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 249 - OFFSHORE AREA 24

SAMPLE NUMBERS: 22

SOURCE: TEST FISHING

GEAR: HERRING SEINE

DATE: FEB 26/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	17	18	20	18	7	6	4	3	6	99
% AT AGE	0.00	0.00	18.28	19.35	21.51	19.35	7.53	6.45	4.30	3.23	0.00	100.00
LENGTH - MEAN (mm)	0.00	0.00	187.94	196.17	207.75	212.56	223.00	221.33	232.75	236.00	220.33	207.65
- STD. DEV.	0.00	0.00	8.03	8.99	12.67	9.36	10.66	11.36	2.87	9.64	7.92	16.56
WEIGHT - MEAN (gm)	0.00	0.00	99.12	119.72	138.40	145.83	169.00	153.33	170.50	170.00	164.50	136.52
- STD. DEV.	0.00	0.00	14.77	19.71	29.15	19.65	32.23	17.94	11.36	23.81	23.86	31.50

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	10	85	4	0	0	0	
% AT STAGE	0.00	0.00	0.00	10.10	85.86	4.04	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	SEX RATIO:				NO.	% MALE	% FEMALE	IMMATURE	TOTAL
	IMMATURE	MATURE	SPENT	TOTAL					
NO.	5	29	0	34				65	99
%	14.71	85.29	0.00	100.00				65.66	100.00
% SAMPLE WEIGHT	4.27	24.16	0.00	28.43					
					MEAN WEIGHT	130.37	148.26	0.00	136.52
					% SAMP. WT.	62.70	37.30	0.00	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 252 - NOOTKA SOUND
 SAMPLE NUMBERS: 168
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 28/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	17	44	18	14	2	1	0	0	3	100
% AT AGE	0.00	1.03	17.53	45.36	18.56	14.43	2.06	1.03	0.00	0.00	0.00	100.00
LENGTH - MEAN (mm)	0.00	170.00	187.18	193.30	203.28	211.71	217.00	230.00	0.00	0.00	203.00	197.53
- STD. DEV.	0.00	0.00	6.95	8.55	8.74	8.90	11.31	0.00	0.00	0.00	25.24	12.84
WEIGHT - MEAN (gm)	0.00	68.00	104.47	115.70	136.94	155.07	149.50	180.00	0.00	0.00	133.33	124.50
- STD. DEV.	0.00	0.00	13.38	17.49	22.19	30.12	3.54	0.00	0.00	0.00	51.19	27.58

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	0	58	42	0	0	0	
% AT STAGE	0.00	0.00	0.00	0.00	58.00	42.00	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
NO.	0	48	0	48		NO.		52	48	0	100
%	0.00	100.00	0.00	100.00		%		52.00	48.00	0.00	100.00
% SAMPLE WEIGHT	0.00	26.98	0.00	26.98		MEAN WEIGHT		115.33	134.44	0.00	124.50
						% SAMP. WT.		48.17	51.83	0.00	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 253 - ESPERANZA INLET
 SAMPLE NUMBERS: 153, 325, 166, 172
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 28/95 - MAR 12/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	2	47	173	93	58	4	2	2	0	19	400
% AT AGE	0.00	0.52	12.34	45.41	24.41	15.22	1.05	0.52	0.52	0.00	0.00	100.00
LENGTH - MEAN (mm)	0.00	162.00	183.30	195.28	203.68	211.64	216.25	230.50	222.00	0.00	195.11	198.54
- STD. DEV.	0.00	5.66	9.99	8.39	9.63	9.29	3.95	6.36	7.07	0.00	16.61	13.03
WEIGHT - MEAN (gm)	0.00	57.50	92.28	112.32	130.59	146.41	161.25	153.00	162.00	0.00	119.47	120.16
- STD. DEV.	0.00	4.95	16.34	17.25	21.33	22.57	17.91	32.53	5.66	0.00	31.35	26.09

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	16	295	87	2	0	0	
% AT STAGE	0.00	0.00	0.00	4.00	73.75	21.75	0.50	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
	NO.	%	%	%		NO.	%	NO.	%	NO.	%
NO.	13	182	0	195		NO.		205	195	0	400
%	6.67	93.33	0.00	100.00		%		51.25	48.75	0.00	100.00
% SAMPLE WEIGHT	1.36	27.09	0.00	28.45		MEAN WEIGHT		113.31	127.36	0.00	120.16
						% SAMP. WT.		48.33	51.67	0.00	100.00

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 271 - OTHER AREA 27
 SAMPLE NUMBERS: 41
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 25/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	5	34	25	27	2	1	2	3	1	100
% AT AGE	0.00	0.00	5.05	34.34	25.25	27.27	2.02	1.01	2.02	3.03	0.00	100.00
LENGTH - MEAN (mm)	0.00	0.00	186.00	195.35	201.24	209.67	209.50	226.00	222.00	228.33	195.00	202.33
- STD. DEV.	0.00	0.00	8.60	8.32	9.43	10.38	2.12	0.00	8.49	12.50	0.00	12.67
WEIGHT - MEAN (gm)	0.00	0.00	94.20	110.03	122.40	144.70	145.00	158.00	174.00	180.00	114.00	126.29
- STD. DEV.	0.00	0.00	20.29	14.07	16.41	19.92	8.49	0.00	15.56	30.05	0.00	25.78

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	1	0	8	71	20	0	0	0	
% AT STAGE	0.00	1.00	0.00	8.00	71.00	20.00	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:				
					NO.	MALE	FEMALE	IMMATURE	TOTAL
NO.	8	38	0	46		53	46	1	100
%	17.39	82.61	0.00	100.00		53.00	46.00	1.00	100.00
% SAMPLE WEIGHT	3.50	18.86	0.00	22.37		124.28	127.91	158.00	126.29
					MEAN WEIGHT	52.16	46.59	1.25	100.00
					% SAMP. WT.				

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 272 - BROOKS BAY
 SAMPLE NUMBERS: 25, 34, 55, 48, 2, 21
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 26/95 - MAR 9/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	14	33	230	112	129	16	6	11	2	47	600
% AT AGE	0.00	2.53	5.97	41.59	20.25	23.33	2.89	1.08	1.99	0.36	0.00	100.00
LENGTH - MEAN(mm)	0.00	160.93	188.30	197.09	202.86	215.52	225.69	226.17	234.55	234.00	203.38	203.16
- STD. DEV.	0.00	7.96	8.49	9.69	10.02	8.69	11.13	13.93	14.02	7.07	20.35	16.03
WEIGHT - MEAN(gm)	0.00	62.36	103.61	119.07	132.79	158.01	182.25	182.50	209.45	193.50	134.00	133.22
- STD. DEV.	0.00	12.72	15.20	19.38	22.68	22.04	26.12	29.26	23.53	27.58	40.85	33.22

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	1	23	504	72	0	0	0	
% AT STAGE	0.00	0.00	0.17	3.83	84.00	12.00	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
NO.	18	316	0	334	NO.		266	334	0	600	
%	5.39	94.61	0.00	100.00	%		44.33	55.67	0.00	100.00	
% SAMPLE WEIGHT	1.07	27.50	0.00	28.57	MEAN WEIGHT		122.10	142.08	0.00	133.22	
					% SAMP. WT.		40.63	59.37	0.00	100.00	

Table 12 (cont'd) Test fishing sample summaries by section

SECTION: 273 - FORWARD INLET
 SAMPLE NUMBERS: 178,163, 59,121, 7, 33, 53,193,
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 27/95 - MAR 10/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	10	53	240	211	196	41	12	10	3	24	800
% AT AGE	0.00	1.29	6.83	30.93	27.19	25.26	5.28	1.55	1.29	0.39	0.00	100.00
LENGTH - MEAN (mm)	0.00	157.70	184.36	193.62	201.10	209.73	215.93	224.25	227.40	225.00	196.25	200.70
- STD. DEV.	0.00	15.87	9.08	8.62	9.86	9.49	10.68	11.52	10.99	6.08	20.12	14.38
WEIGHT - MEAN (gm)	0.00	56.90	97.94	115.43	130.98	147.90	163.85	172.33	196.30	180.33	122.58	130.40
- STD. DEV.	0.00	15.77	12.87	17.47	20.15	19.30	23.96	19.25	20.35	13.61	40.82	28.61

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	3	4	90	509	192	2	0	0	
% AT STAGE	0.00	0.38	0.50	11.25	63.63	24.00	0.25	0.00	0.00	

ROE MATURITY (FEMALE):

	SEX RATIO:					MALE	FEMALE	IMMATURE	TOTAL	
	IMMATURE	MATURE	SPENT	TOTAL						
NO.	73	347	1	421		379	421	0	800	
%	17.34	82.42	0.24	100.00		47.38	52.63	0.00	100.00	
% SAMPLE WEIGHT	3.91	24.79	0.00	28.70		MEAN WEIGHT	122.15	137.83	0.00	130.40
						% SAMP. WT.	44.38	55.62	0.00	100.00

Table 13. Test fishing sample summaries by area

AREA: 2E - EAST COAST Q.C.I.
 SAMPLE NUMBERS: 331, 330, 321, 320, 328, 334, 319
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 7/95 - APR 5/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	132	118	12	30	239	53	44	28	14	30	700
% AT AGE	0.00	19.70	17.61	1.79	4.48	35.67	7.91	6.57	4.18	2.09	0.00	100.00
LENGTH - MEAN (mm)	0.00	161.14	184.59	199.08	205.67	208.90	212.30	219.34	217.43	220.93	194.93	196.38
- STD. DEV.	0.00	6.49	9.28	12.25	6.56	8.23	7.78	8.48	8.06	9.01	24.22	22.02
WEIGHT - MEAN (gm)	0.00	60.67	94.21	129.25	138.47	149.53	157.47	178.98	174.50	180.57	128.90	125.81
- STD. DEV.	0.00	8.15	16.15	32.43	21.92	22.74	24.86	28.82	24.54	29.85	46.91	45.56

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	1	460	237	2	0	0	
% AT STAGE	0.00	0.00	0.00	0.14	65.71	33.86	0.29	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL
					NO.	%	MEAN WEIGHT	% SAMP. WT.				
NO.	0	348	2	350					350	350	0	700
%	0.00	99.43	0.57	100.00					50.00	50.00	0.00	100.00
% SAMPLE WEIGHT	0.00	29.75	0.00	29.75								

Table 13 (cont'd) Test fishing sample summaries by area

AREA: 3 - NASS
 SAMPLE NUMBERS: 305,292,307,309
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 15/95 - MAR 25/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	90	51	85	58	85	8	4	3	15	400
% AT AGE	0.00	0.26	23.38	13.25	22.08	15.06	22.08	2.08	1.04	0.78	0.00	100.00
LENGTH - MEAN (mm)	0.00	160.00	172.24	182.25	195.11	201.19	204.25	214.88	218.50	230.67	190.20	191.77
- STD. DEV.	0.00	0.00	9.66	9.96	8.42	8.41	8.61	11.96	11.47	25.77	19.49	16.49
WEIGHT - MEAN (gm)	0.00	55.00	72.14	85.10	110.87	124.74	126.71	148.63	162.00	183.33	107.53	105.79
- STD. DEV.	0.00	0.00	13.25	16.18	19.19	18.50	20.14	20.33	24.04	53.45	32.32	30.46

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	6	299	91	4	0	0	
% AT STAGE	0.00	0.00	0.00	1.50	74.75	22.75	1.00	0.00	0.00	

ROE MATURITY (FEMALE):

	SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL	
	IMMATURE	MATURE	SPENT	TOTAL					
NO.	6	186	2	194	206	194	0	400	
%	3.09	95.88	1.03	100.00	51.50	48.50	0.00	100.00	
% SAMPLE WEIGHT	0.66	25.94	0.00	26.61	MEAN WEIGHT	98.69	113.34	0.00	105.79
					% SAMP. WT.	48.04	51.96	0.00	100.00

Table 13 (cont'd) Test fishing sample summaries by area

AREA: 4 - SKEENA
 SAMPLE NUMBERS: 302,314,312,295,303
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 14/95 - MAR 24/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	4	127	56	72	86	118	12	1	3	21	500
% AT AGE	0.00	0.84	26.51	11.69	15.03	17.95	24.63	2.51	0.21	0.63	0.00	100.00
LENGTH - MEAN (mm)	0.00	162.00	170.09	178.75	195.85	198.47	202.93	211.92	203.00	222.00	198.86	189.93
- STD. DEV.	0.00	8.16	9.78	11.84	7.81	8.53	8.64	14.47	0.00	8.19	16.85	17.16
WEIGHT - MEAN (gm)	0.00	57.00	69.65	83.50	110.25	120.00	127.80	140.08	173.00	161.33	115.33	103.70
- STD. DEV.	0.00	10.68	14.74	15.72	16.49	16.88	19.55	28.31	0.00	8.74	29.18	30.44

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	1	2	13	418	66	0	0	0	
% AT STAGE	0.00	0.20	0.40	2.60	83.60	13.20	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL	
NO.	14	213	0	227		272	227	1	500	
%	6.17	93.83	0.00	100.00		54.40	45.40	0.20	100.00	
% SAMPLE WEIGHT	1.30	24.97	0.00	26.27		MEAN WEIGHT	97.83	110.96	51.00	103.70
						% SAMP. WT.	51.32	48.58	0.10	100.00

Table 13 (cont'd) Test fishing sample summaries by area

AREA: 5 - GRENVILLE-PRINCIPE
 SAMPLE NUMBERS: 293, 299, 291, 300, 287, 318, 313, 316, 310, 323,
 311, 304, 333, 332, 327, 298, 306, 284, 296, 317,
 301, 315, 297, 294, 335, 308
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 20/95 - APR 4/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	3	113	368	142	234	1184	320	58	31	16	130	2599
% AT AGE	0.12	4.58	14.90	5.75	9.48	47.95	12.96	2.35	1.26	0.65	0.00	100.00
LENGTH - MEAN(mm)	98.67	149.02	172.33	184.13	193.61	197.56	204.13	212.40	217.55	218.13	183.73	191.49
- STD. DEV.	28.11	12.82	10.13	10.38	9.25	9.90	9.66	10.08	10.51	10.33	21.21	18.00
WEIGHT - MEAN(gm)	14.67	47.63	75.81	97.10	113.28	120.62	132.15	151.43	160.77	157.63	99.07	110.77
- STD. DEV.	13.32	12.41	14.12	16.79	17.01	20.97	20.09	25.56	20.91	25.60	32.34	30.93

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	9	6	4	15	1664	864	34	3	0	
% AT STAGE	0.35	0.23	0.15	0.58	64.02	33.24	1.31	0.12	0.00	

ROE MATURITY (FEMALE):

	IMMATURE				SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL
	IMMATURE	MATURE	SPENT	TOTAL	NO.	%	MEAN WEIGHT	% SAMP. WT.				
NO.	20	1289	13	1322					1267	1322	10	2599
%	1.51	97.50	0.98	100.00					48.75	50.87	0.38	100.00
% SAMPLE WEIGHT	0.16	28.29	0.01	28.45					103.15	118.77	19.30	110.77
									45.39	54.54	0.07	100.00

Table 13 (cont'd) Test fishing sample summaries by area

AREA: 6 - BUTEDALE
 SAMPLE NUMBERS: 87, 209, 81, 89, 98, 82, 90, 86, 147, 188,
 197, 94, 129, 99, 124,
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 28/95 - MAR 17/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	12	125	344	120	671	77	34	34	25	58	1500
% AT AGE	0.00	0.83	8.67	23.86	8.32	46.53	5.34	2.36	2.36	1.73	0.00	100.00
LENGTH - MEAN (mm)	0.00	146.42	175.39	186.78	196.18	201.20	207.34	212.41	214.29	217.52	188.90	195.56
- STD. DEV.	0.00	7.59	9.77	9.72	9.15	10.61	7.94	11.05	10.16	11.72	15.11	14.91
WEIGHT - MEAN (gm)	0.00	39.50	78.14	98.02	114.97	128.21	138.66	150.21	151.32	168.24	103.52	116.61
- STD. DEV.	0.00	7.79	14.43	18.18	21.14	25.48	21.40	25.97	26.37	28.56	26.18	30.84

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HJORT MATURITY STAGES:

	MATURITY STAGE								UNKNOWN	
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	1	4	11	96	1070	315	3	0	0	
% AT STAGE	0.07	0.27	0.73	6.40	71.33	21.00	0.20	0.00	0.00	

ROE MATURITY (FEMALE):

	SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL	
	IMMATURE	MATURE	SPENT	TOTAL					
NO.	79	702	0	781	717	781	2	1500	
%	10.12	89.88	0.00	100.00	47.80	52.07	0.13	100.00	
% SAMPLE WEIGHT	1.69	25.32	0.00	27.01	MEAN WEIGHT	108.25	124.50	35.50	116.61
					% SAMP. WT.	44.37	55.59	0.04	100.00

Table 13 (cont'd) Test fishing sample summaries by area

AREA: 7 - BELLA BELLA
SAMPLE NUMBERS: 195, 142, 150, 100, 132, 190, 189, 152, 66, 198, 186,
158, 149, 135, 180, 131, 92, 183, 146, 84, 83, 96,
145, 137, 220, 155, 85, 219, 156, 138, 159, 181, 160,
127, 191, 154, 133, 151, 148, 192, 134, 128, 200, 140,
185, 157, 139, 95, 144, 125, 136, 141, 97

SOURCE: TEST FISHING

GEAR: HERRING SEINE

DATE: FEB 27/95 - MAR 27/95

SPECIMENS AT EACH AGE:

SPECIMENS AT EACH AGE:												AGE	
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL	
NO. AT AGE	9	76	324	1166	464	2294	317	86	95	81	357	5269	
% AT AGE	0.18	1.55	6.60	23.74	9.45	46.70	6.45	1.75	1.93	1.65	0.00	100.00	
LENGTH - MEAN (mm)	76.67	146.82	174.69	191.81	199.79	204.93	207.52	212.51	217.47	218.91	181.48	197.79	
- STD. DEV.	6.61	12.26	12.74	10.74	9.50	9.43	9.72	11.00	11.93	11.23	40.27	19.32	
WEIGHT - MEAN (gm)	4.11	44.66	78.70	108.77	125.11	137.04	144.82	153.92	160.62	165.46	105.87	124.08	
- STD. DEV.	1.17	13.01	20.13	21.09	20.76	22.79	22.85	28.67	27.10	29.38	48.35	33.15	

HJORT MATURITY STAGES:

HJORT MATURITY STAGES:		MATURITY STAGE								
		1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE		10	8	10	174	3695	1327	5	1	39
% AT STAGE		0.19	0.15	0.19	3.30	70.13	25.19	0.09	0.02	0.74

ROE MATURITY (FEMALE) :

ROE MATURITY (FEMALE):
 =====
 IMMATURE MATURE SPENT TOTAL
 NO. 131 2646 2 2779
 % 4.71 95.21 0.07 100.00
 % SAMPLE WEIGHT 0.84 27.68 0.00 28.53

SEX RATIO:
 =====
 MALE FEMALE IMMATURE TOTAL
 NO. 2440 2779 50 5269
 % 46.31 52.74 0.95 100.00
 MEAN WEIGHT 116.02 133.17 12.86 124.08
 % SAMP. WT. 43.30 56.60 0.10 100.00

Table 13 (cont'd) Test fishing sample summaries by area

AREA: 8 - BELLA COOLA
SAMPLE NUMBERS: 285, 199, 182, 187
SOURCE: TEST FISHING
GEAR: HERRING SEINE
DATE: MAR 8/95 - MAR 27/95

SPECIMENS AT EACH AGE:

	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	52	6	25	92	27	96	20	6	3	13	60	400
% AT AGE	15.29	1.76	7.35	27.06	7.94	28.24	5.88	1.76	0.88	3.82	0.00	100.00
LENGTH - MEAN (mm)	97.25	151.83	174.72	188.37	194.56	200.42	204.40	214.67	204.00	213.08	113.22	169.27
- STD. DEV.	8.35	16.24	12.39	11.19	12.61	11.24	9.59	9.16	9.64	6.98	42.09	45.17
WEIGHT - MEAN (gm)	10.46	50.67	72.40	94.85	105.41	117.46	128.35	146.17	111.67	142.92	30.20	82.39
- STD. DEV.	2.89	18.96	18.49	19.68	22.33	21.04	16.77	22.89	21.73	18.68	42.34	48.12

HJORT Maturity Stages:

HJORT MATURITY STAGES:		MATURITY STAGE								
=====	=====	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE		73	21	3	1	123	170	2	0	7
% AT STAGE		18.25	5.25	0.75	0.25	30.75	42.50	0.50	0.00	1.75

ROE Maturity (Female) :

ROE MATURITY (FEMALE):
 =====
 IMMATURE MATURE SPENT TOTAL
 NO. 7 145 1 153
 % 4.58 94.77 0.65 100.00
 % SAMPLE WEIGHT 0.14 24.83 0.00 24.97
 SEX RATIO:
 =====
 MALE FEMALE IMMATURE TOTAL
 NO. 151 153 96 400
 % 37.75 38.25 24.00 100.00
 MEAN WEIGHT 100.49 110.07 9.80 82.39
 % SAMP. WT. 46.04 51.10 2.86 100.00

Table 13 (cont'd) Test fishing sample summaries by area

===== AREA: 10 - SMITH INLET

SAMPLE NUMBERS: 196

SOURCE: TEST FISHING

GEAR: HERRING SEINE

DATE: MAR 28/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	8	18	29	4	18	7	1	2	3	9	99
% AT AGE	0.00	8.89	20.00	32.22	4.44	20.00	7.78	1.11	2.22	3.33	0.00	100.00
LENGTH - MEAN(mm)	0.00	136.13	163.28	171.48	187.00	190.89	199.14	217.00	195.50	209.00	167.78	174.99
- STD. DEV.	0.00	6.66	12.07	14.61	9.20	9.69	15.20	0.00	9.19	2.65	14.53	21.30
WEIGHT - MEAN(gm)	0.00	31.75	61.33	77.28	100.50	112.28	121.86	164.00	100.50	142.33	75.22	84.28
- STD. DEV.	0.00	6.67	17.22	23.58	17.25	26.15	30.26	0.00	16.26	21.36	32.71	35.63

HJORT MATURITY STAGES:

	MATURITY STAGE								UNKNOWN	
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	1	0	1	71	26	0	0	0	
% AT STAGE	0.00	1.01	0.00	1.01	71.72	26.26	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	1	52	0	53	NO.	45	53	1	99
%	1.89	98.11	0.00	100.00	%	45.45	53.54	1.01	100.00
% SAMPLE WEIGHT	0.25	27.75	0.00	28.00	MEAN WEIGHT	76.42	91.72	44.00	84.28
					% SAMP. WT.	41.22	58.26	0.53	100.00

Table 13 (cont'd) Test fishing sample summaries by area

AREA: 13 - QUATHIASKI

SAMPLE NUMBERS: 75

SOURCE: TEST FISHING

GEAR: HERRING SEINE

DATE: FEB 24/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	26	42	18	2	4	0	0	0	0	7	99
% AT AGE	0.00	28.26	45.65	19.57	2.17	4.35	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN (mm)	0.00	157.35	173.05	184.06	172.00	196.75	0.00	0.00	0.00	0.00	164.00	171.22
- STD. DEV.	0.00	5.58	9.28	11.31	5.66	2.22	0.00	0.00	0.00	0.00	0.00	21.83 14.45
WEIGHT - MEAN (gm)	0.00	47.96	63.95	76.94	64.00	97.75	0.00	0.00	0.00	0.00	53.86	62.77
- STD. DEV.	0.00	14.27	12.35	14.18	2.83	11.79	0.00	0.00	0.00	0.00	0.00	25.90 18.64

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	1	12	3	33	50	0	0	0	0	
% AT STAGE	1.01	12.12	3.03	33.33	50.51	0.00	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL			SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
NO.	28	18	0	46	NO.			51	46	2	99	
%	60.87	39.13	0.00	100.00	%			51.52	46.46	2.02	100.00	
% SAMPLE WEIGHT	6.14	6.70	0.00	12.84	MEAN WEIGHT			63.27	62.33	60.00	62.77	
					% SAMP. WT.			51.93	46.14	1.93	100.00	

Table 13 (cont'd) Test fishing sample summaries by area

AREA: 14 - COMOX

SAMPLE NUMBERS: 130, 29, 3,177, 39, 80,122, 47, 31, 38,
 71, 45,162,329,167, 60,164, 24,123, 16,
 5, 69, 49, 57, 26, 43, 27, 6, 8, 37,
 175, 44, 70,322,324,173, 77, 51, 63, 58,
 184,169,176,126, 30, 46, 64, 78,

SOURCE: TEST FISHING

GEAR: HERRING SEINE

DATE: FEB 20/95 - MAR 10/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	382	999	1646	808	514	126	49	16	3	254	4797
% AT AGE	0.00	8.41	21.99	36.23	17.79	11.31	2.77	1.08	0.35	0.07	0.00	100.00
LENGTH - MEAN (mm)	0.00	163.07	179.69	193.74	203.82	210.20	216.90	219.71	224.94	231.33	193.15	192.80
- STD. DEV.	0.00	10.95	12.20	11.12	10.98	10.05	7.87	12.09	6.45	7.09	20.50	18.05
WEIGHT - MEAN (gm)	0.00	59.74	84.76	110.13	132.21	145.07	162.28	165.24	185.25	215.67	112.26	110.66
- STD. DEV.	0.00	12.67	18.96	22.03	25.26	25.87	24.03	33.00	20.37	46.14	39.18	34.92

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	1	12	9	461	3594	706	12	2	0	
% AT STAGE	0.02	0.25	0.19	9.61	74.92	14.72	0.25	0.04	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
NO.	308	2069	6	2383		NO.		2403	2383	11	4797
%	12.92	86.82	0.25	100.00		%		50.09	49.68	0.23	100.00
% SAMPLE WEIGHT	2.16	24.26	0.01	26.42		MEAN WEIGHT		105.37	116.30	41.91	110.66
						% SAMP. WT.		47.70	52.21	0.09	100.00

Table 13 (cont'd) Test fishing sample summaries by area

AREA: 17 - NANAIMO
 SAMPLE NUMBERS: 35, 40, 76, 170, 52
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 24/95 - MAR 14/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	210	118	83	21	13	2	1	2	2	47	499
% AT AGE	0.00	46.46	26.11	18.36	4.65	2.88	0.44	0.22	0.44	0.44	0.00	100.00
LENGTH - MEAN(mm)	0.00	163.40	172.62	189.52	204.38	212.85	221.50	229.00	195.50	221.50	172.13	174.48
- STD. DEV.	0.00	10.77	13.33	16.62	12.65	11.46	2.12	0.00	4.95	4.95	23.79	19.76
WEIGHT - MEAN(gm)	0.00	57.14	70.50	98.48	126.76	141.77	165.00	161.00	115.00	151.50	74.70	75.22
- STD. DEV.	0.00	14.32	18.60	27.26	31.37	27.37	26.87	0.00	22.63	0.71	35.14	31.65

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	1	17	7	125	334	5	5	5	0	
% AT STAGE	0.20	3.41	1.40	25.05	66.93	1.00	1.00	1.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
	NO.	%	%	%		NO.	%	NO.	%	NO.	%
NO.	87	142	4	233		NO.		261	233	5	499
%	37.34	60.94	1.72	100.00		%		52.30	46.69	1.00	100.00
% SAMPLE WEIGHT	5.04	16.30	0.00	21.35		MEAN WEIGHT		71.20	80.58	35.20	75.22
						% SAMP. WT.		49.51	50.02	0.47	100.00

Table 13 (cont'd) Test fishing sample summaries by area

AREA: 23 - BARKLEY SOUND
 SAMPLE NUMBERS: 174,326, 15, 68, 72, 23,179, 67, 79, 65,
 56, 32, 4, 18, 19, 42, 17, 50, 61, 10,
 9, 1, 12,102, 54,165, 36, 28, 11,161,216
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 20/95 - MAR 12/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	28	405	585	581	802	217	131	100	23	219	3091
% AT AGE	0.00	0.97	14.10	20.37	20.23	27.92	7.56	4.56	3.48	0.80	0.00	100.00
LENGTH - MEAN(mm)	0.00	169.50	186.61	199.47	210.15	216.64	222.11	226.95	230.53	231.09	209.30	208.67
- STD. DEV.	0.00	8.85	9.15	9.44	8.94	8.48	9.06	9.60	8.84	10.12	17.45	15.91
WEIGHT - MEAN(gm)	0.00	71.29	99.06	124.68	147.03	162.19	175.15	182.59	191.48	189.09	145.84	144.91
- STD. DEV.	0.00	12.55	16.14	20.93	22.03	22.11	23.76	24.68	22.85	19.45	36.19	34.68

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	104	2380	603	4	0	0	
% AT STAGE	0.00	0.00	0.00	3.36	77.00	19.51	0.13	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
	NO.	%				NO.	%	1549	1542	0	3091
% SAMPLE WEIGHT	89	1450	3	1542		5.77	94.03	0.19	100.00		
	5.77	94.03	0.19	100.00				50.11	49.89	0.00	100.00
	1.17	28.16	0.00	29.33				138.24	151.62	0.00	144.91
								47.80	52.20	0.00	100.00

Table 13 (cont'd) Test fishing sample summaries by area

AREA: 24 - CLAYOQUOT SOUND
 SAMPLE NUMBERS: 74, 20, 13, 22
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 21/95 - FEB 26/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	3	29	95	78	87	27	21	15	3	27	385
% AT AGE	0.00	0.84	8.10	26.54	21.79	24.30	7.54	5.87	4.19	0.84	0.00	100.00
LENGTH - MEAN (mm)	0.00	164.00	187.10	200.16	210.72	217.40	225.15	227.52	231.47	236.00	216.33	210.81
- STD. DEV.	0.00	6.08	8.67	9.60	9.82	8.59	8.36	9.83	9.01	9.64	18.28	15.84
WEIGHT - MEAN (gm)	0.00	66.67	98.52	126.39	144.37	161.03	177.96	181.90	180.53	170.00	157.89	146.60
- STD. DEV.	0.00	8.14	15.82	20.73	24.83	24.76	26.24	29.81	22.35	23.81	36.17	34.01

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	42	291	51	0	1	0	
% AT STAGE	0.00	0.00	0.00	10.91	75.58	13.25	0.00	0.26	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
	NO.					NO.		193	192	0	385
%	18.23	81.25	0.52	100.00		%		50.13	49.87	0.00	100.00
% SAMPLE WEIGHT	4.66	24.03	0.00	28.68		MEAN WEIGHT		138.35	154.89	0.00	146.60
						% SAMP. WT.		47.31	52.69	0.00	100.00

Table 13 (cont'd) Test fishing sample summaries by area

AREA: 25 - NOOTKA SOUND
 SAMPLE NUMBERS: 325, 166, 172, 153, 168
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 28/95 - MAR 12/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	3	64	217	111	72	6	3	2	0	22	500
% AT AGE	0.00	0.63	13.39	45.40	23.22	15.06	1.26	0.63	0.42	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	164.67	184.33	194.88	203.61	211.65	216.50	230.33	222.00	0.00	196.18	198.34
- STD. DEV.	0.00	6.11	9.39	8.44	9.46	9.15	5.92	4.51	7.07	0.00	17.46	12.99
WEIGHT - MEAN(gm)	0.00	61.00	95.52	113.00	131.62	148.10	157.33	162.00	162.00	0.00	121.36	121.03
- STD. DEV.	0.00	7.00	16.43	17.31	21.49	24.22	15.23	27.78	5.66	0.00	33.40	26.42

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	16	353	129	2	0	0	
% AT STAGE	0.00	0.00	0.00	3.20	70.60	25.80	0.40	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	13	230	0	243
%	5.35	94.65	0.00	100.00
% SAMPLE WEIGHT	1.08	27.07	0.00	28.15

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	257	243	0	500
%	51.40	48.60	0.00	100.00
MEAN WEIGHT	113.72	128.76	0.00	121.03
% SAMP. WT.	48.30	51.70	0.00	100.00

Table 13 (cont'd) Test fishing sample summaries by area

AREA: 27 - QUATSINO SOUND
 SAMPLE NUMBERS: 21,178, 2, 53,193, 33, 41, 25, 34, 7,
 59, 55,163, 48,121
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 25/95 - MAR 10/95

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	24	91	504	348	352	59	19	23	8	72	1500
% AT AGE	0.00	1.68	6.37	35.29	24.37	24.65	4.13	1.33	1.61	0.56	0.00	100.00
LENGTH - MEAN (mm)	0.00	159.58	185.88	195.32	201.68	211.85	218.36	224.95	230.35	228.50	200.89	201.79
- STD. DEV.	0.00	11.71	8.95	9.24	9.89	9.66	11.51	11.66	12.69	8.73	20.28	14.99
WEIGHT - MEAN (gm)	0.00	60.08	99.79	116.73	130.95	151.36	168.20	174.79	200.65	183.50	129.92	131.26
- STD. DEV.	0.00	14.01	14.32	18.31	20.86	20.97	25.69	22.45	23.32	21.39	40.67	30.42

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	4	5	121	1084	284	2	0	0	
% AT STAGE	0.00	0.27	0.33	8.07	72.27	18.93	0.13	0.00	0.00	

ROE MATURITY (FEMALE):

	SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL	
	IMMATURE	MATURE	SPENT	TOTAL					
NO.	99	701	1	801	NO.	698	801	1	1500
%	12.36	87.52	0.12	100.00	%	46.53	53.40	0.07	100.00
% SAMPLE WEIGHT	2.68	25.63	0.00	28.31	MEAN WEIGHT	122.29	139.03	158.00	131.26
					% SAMP. WT.	43.36	56.56	0.08	100.00

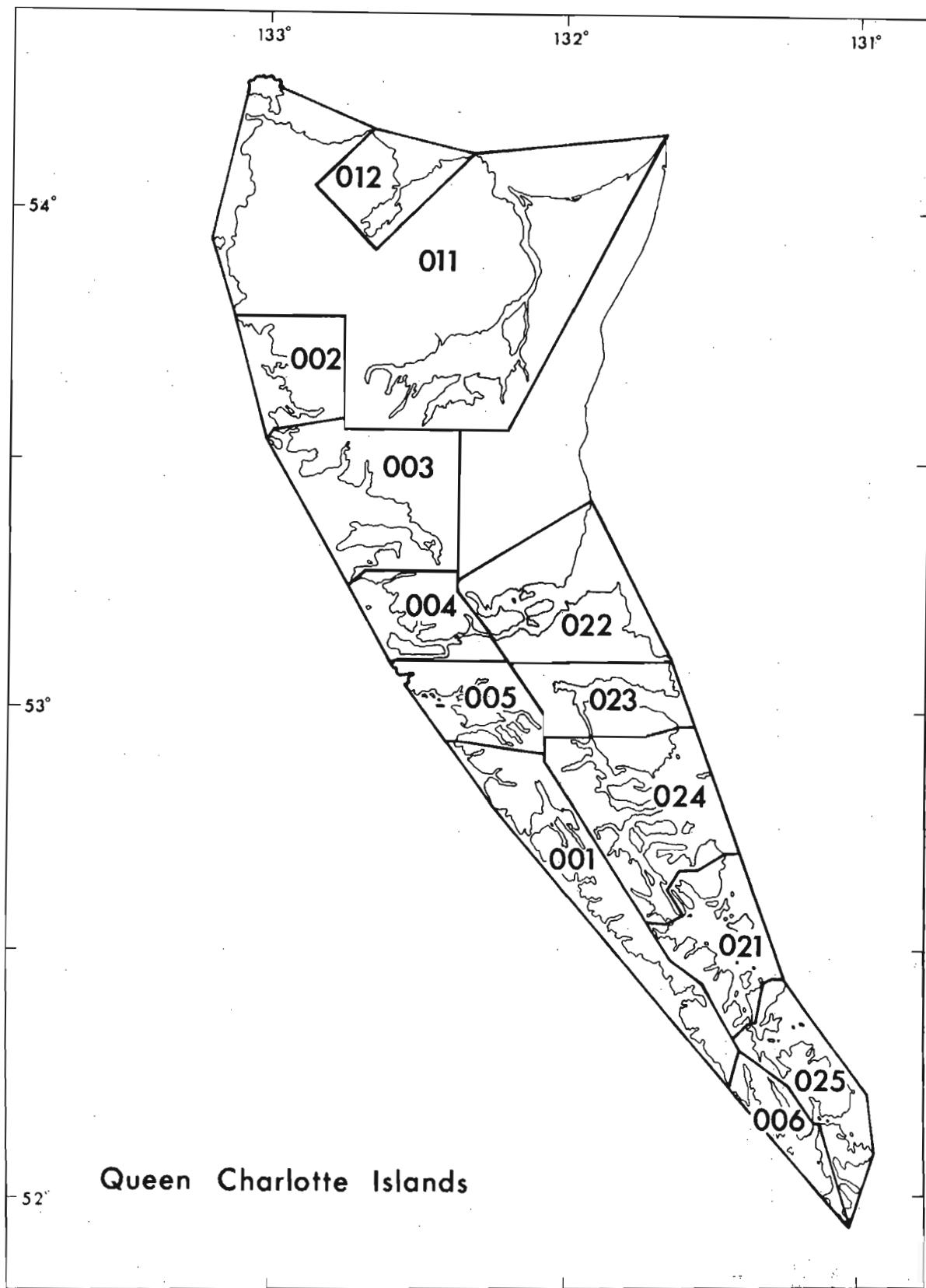
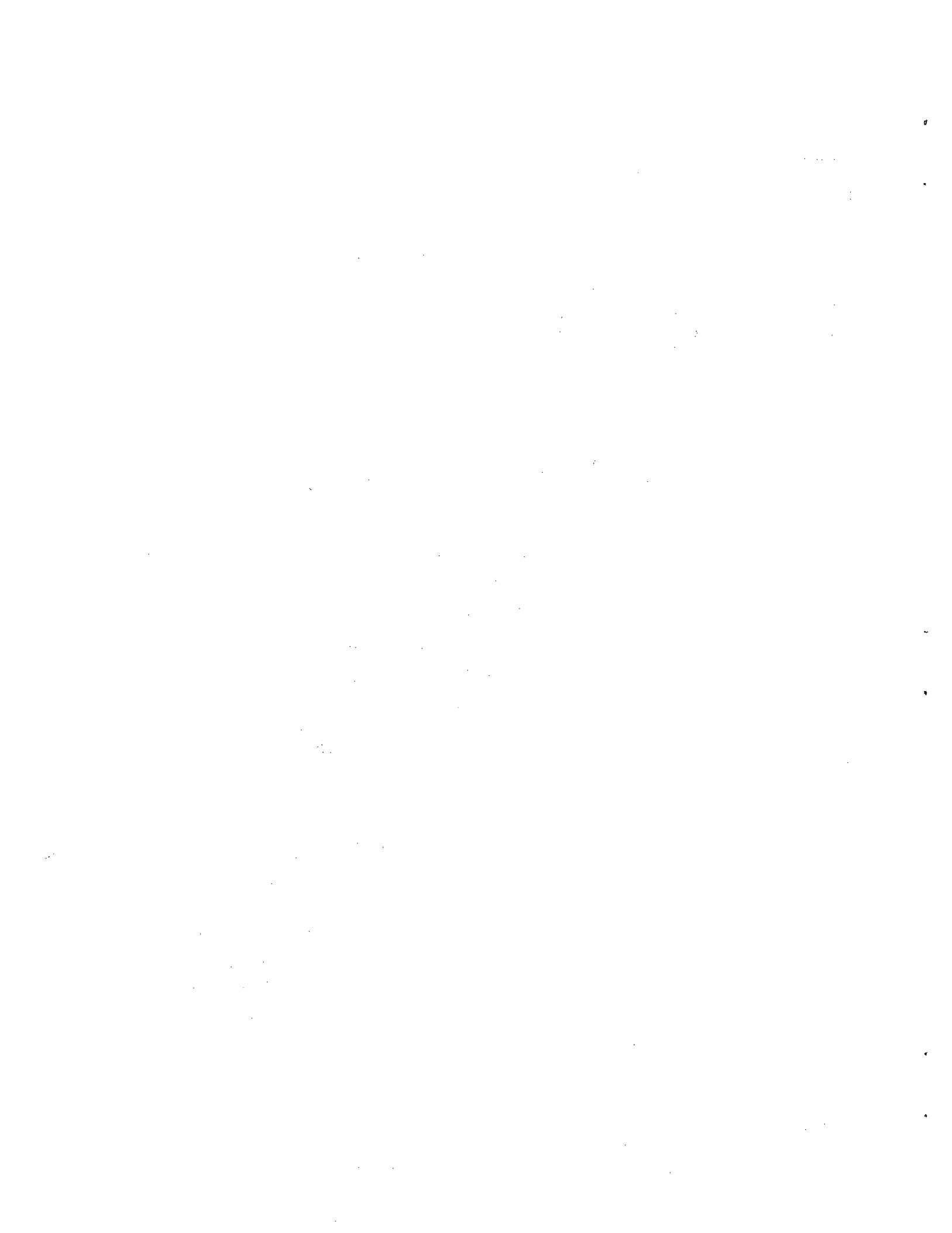


Fig. 1. Herring sections in the Queen Charlotte Islands region.



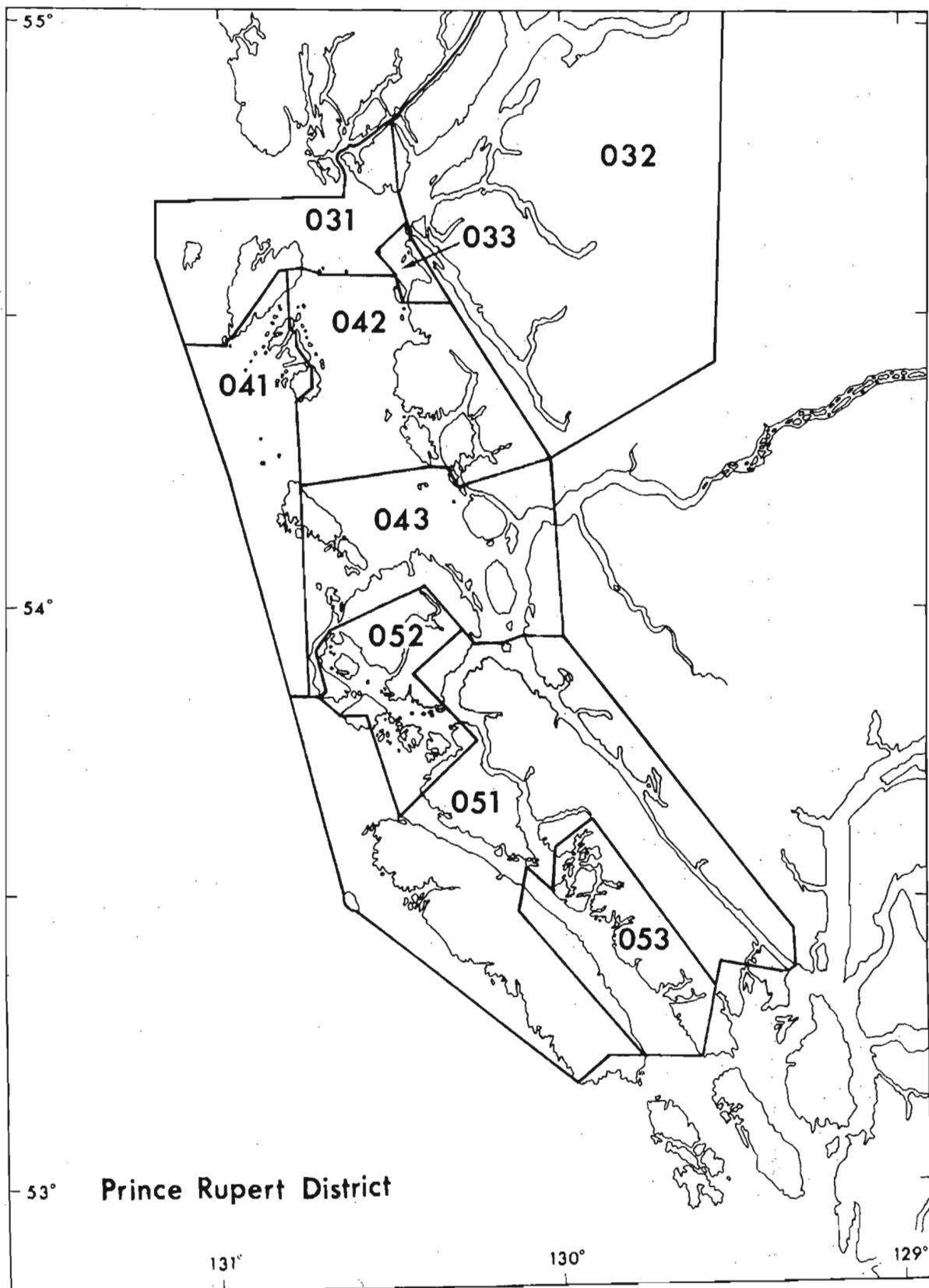
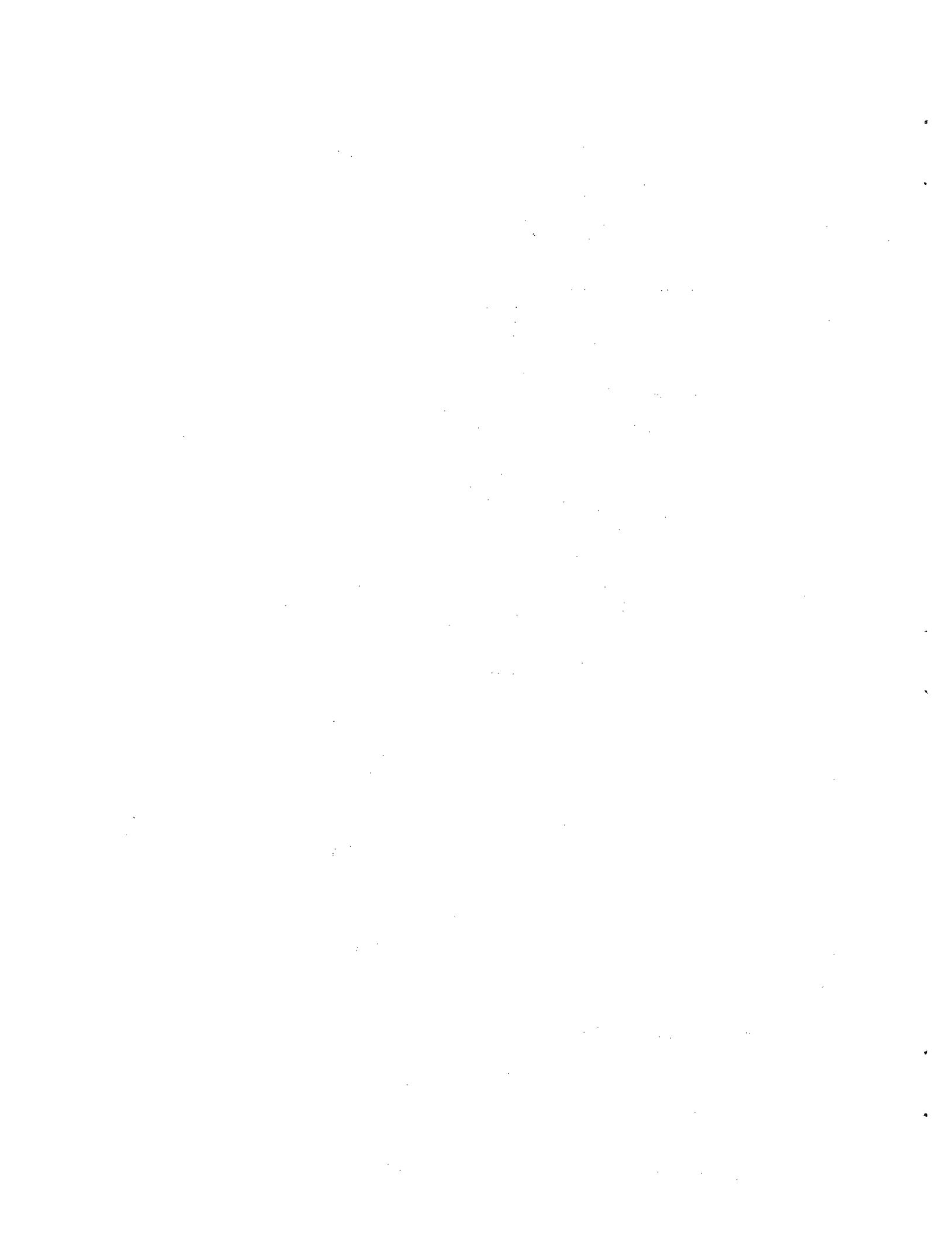


Fig. 2. Herring sections in the Prince Rupert District region.



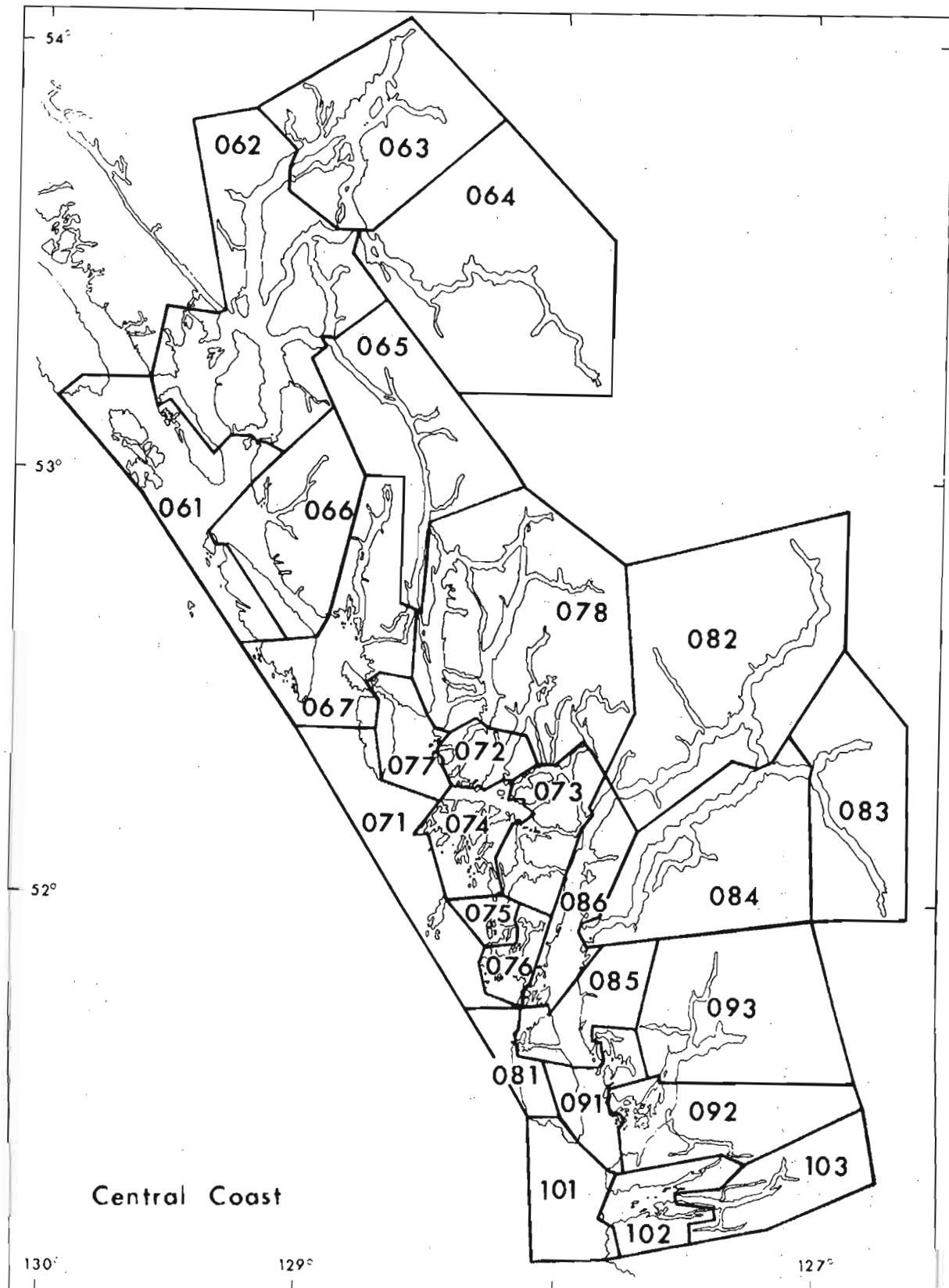


Fig. 3. Herring sections in the Central Coast region.

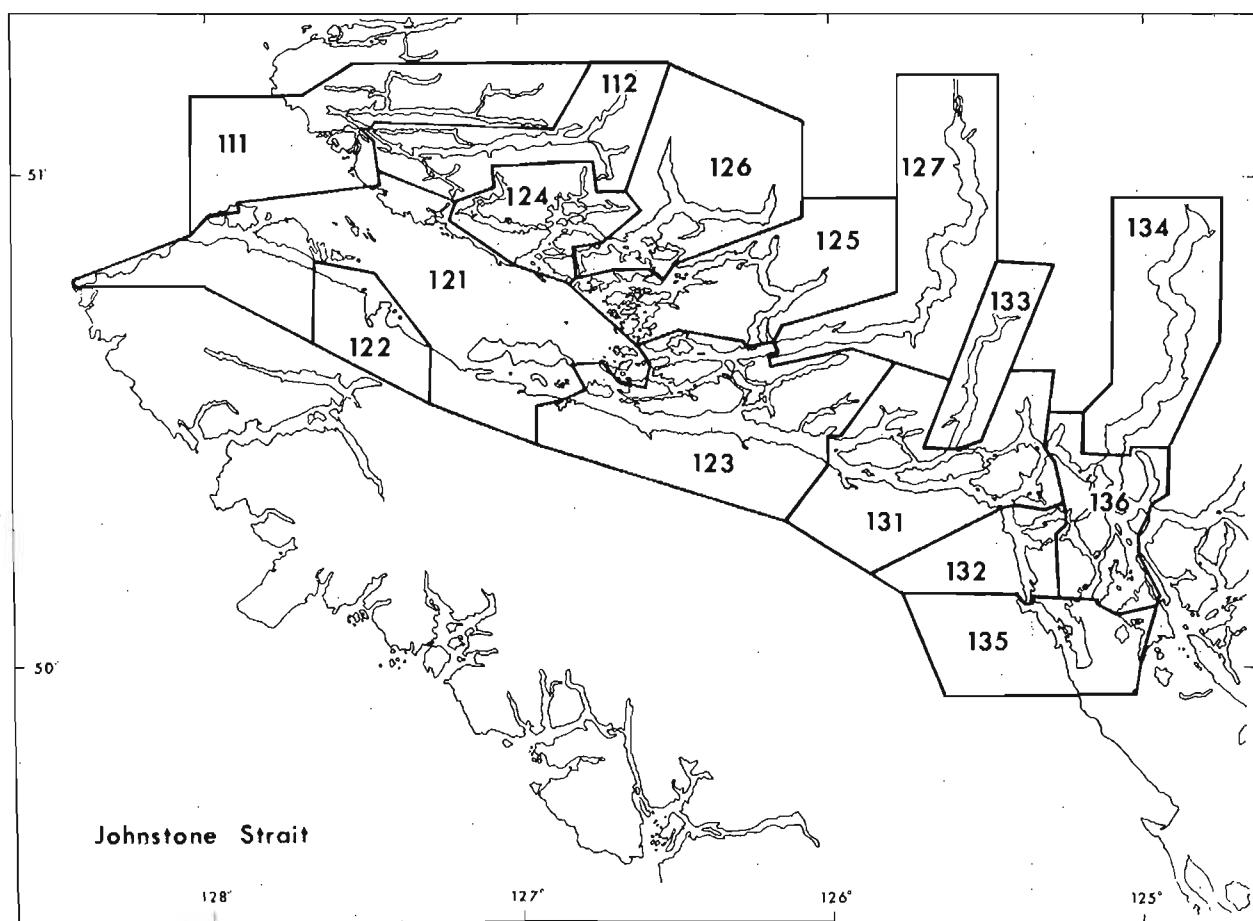


Fig. 4. Herring sections in the Johnstone Strait region.

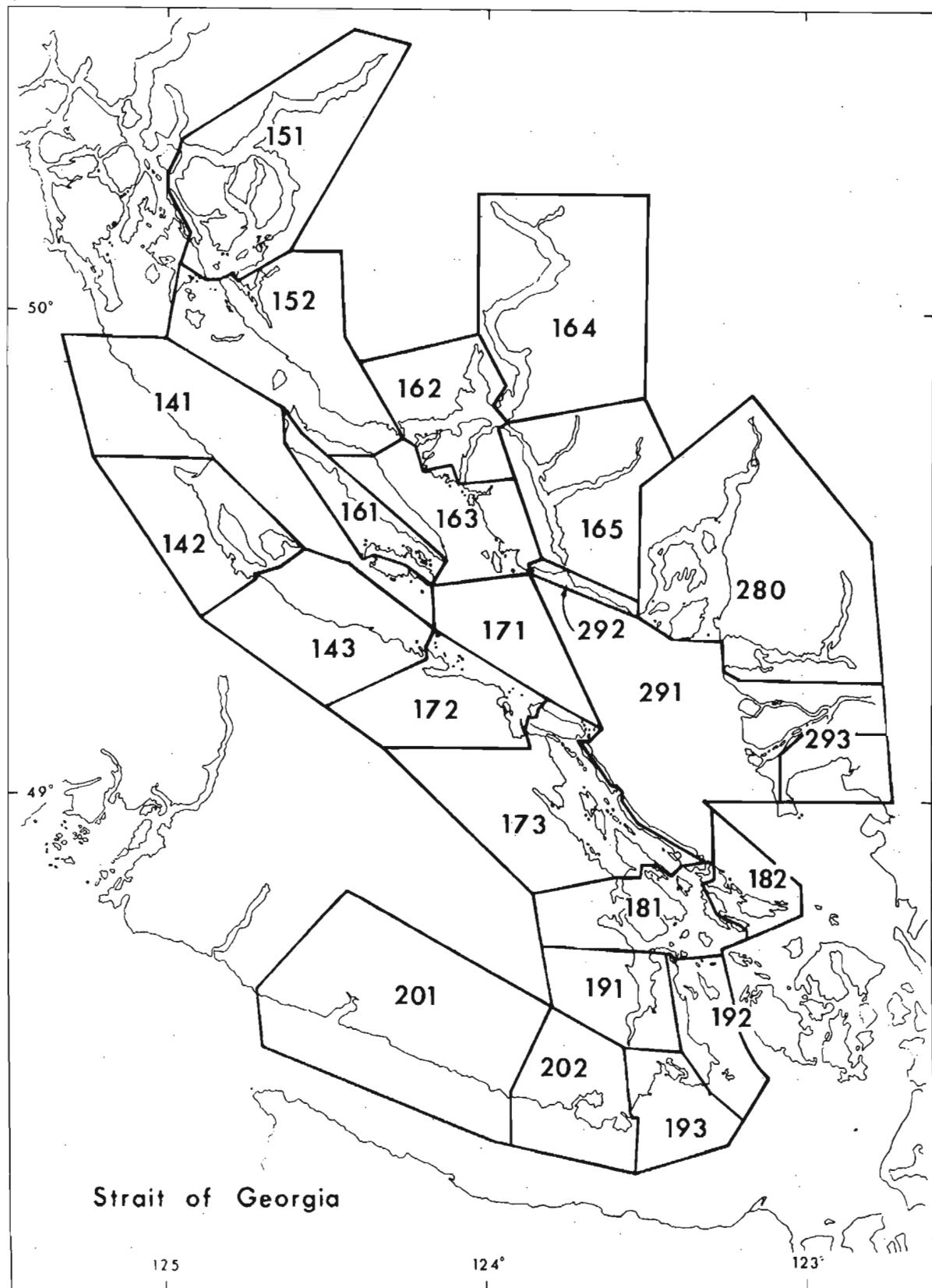
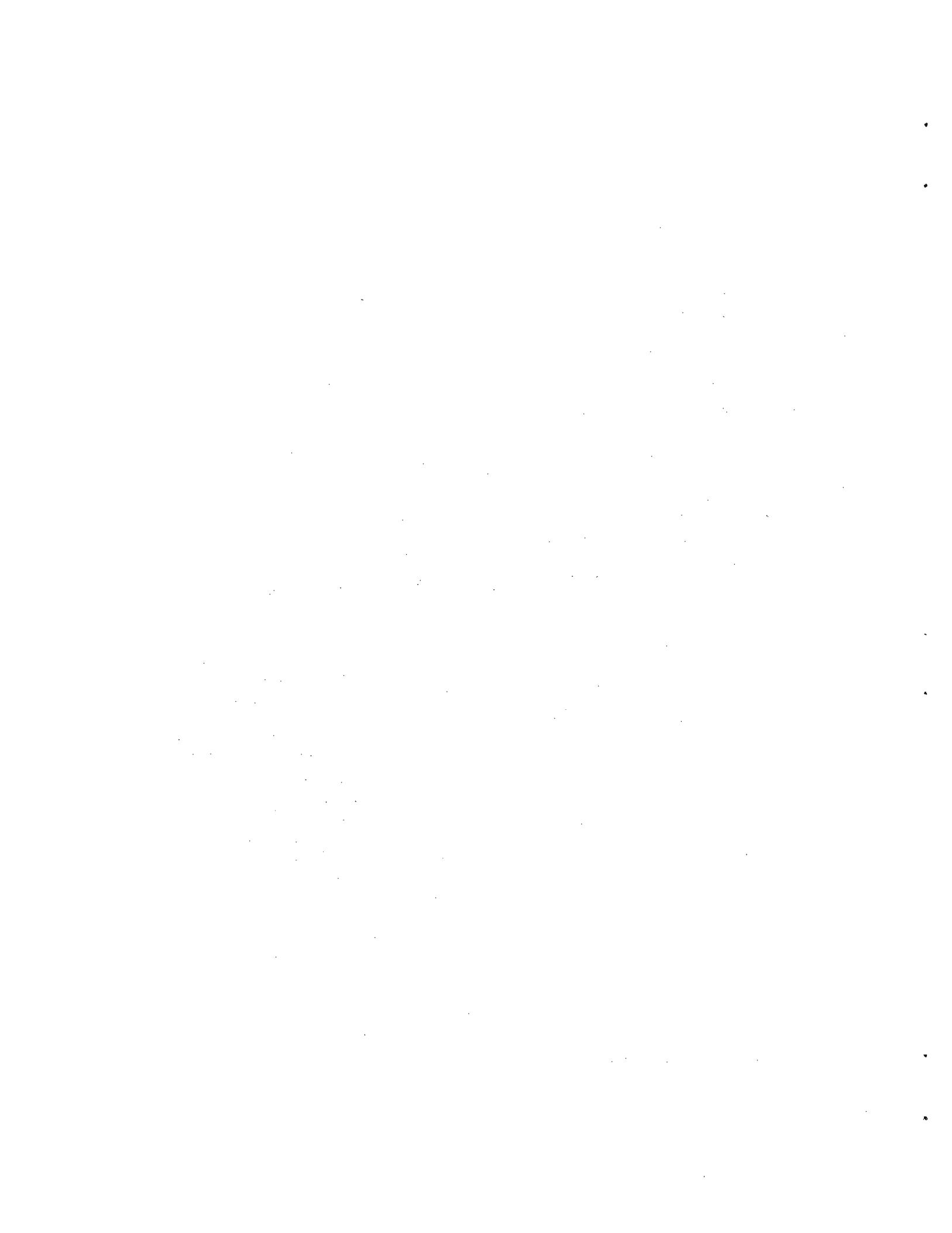


Fig. 5. Herring sections in the Strait of Georgia region.



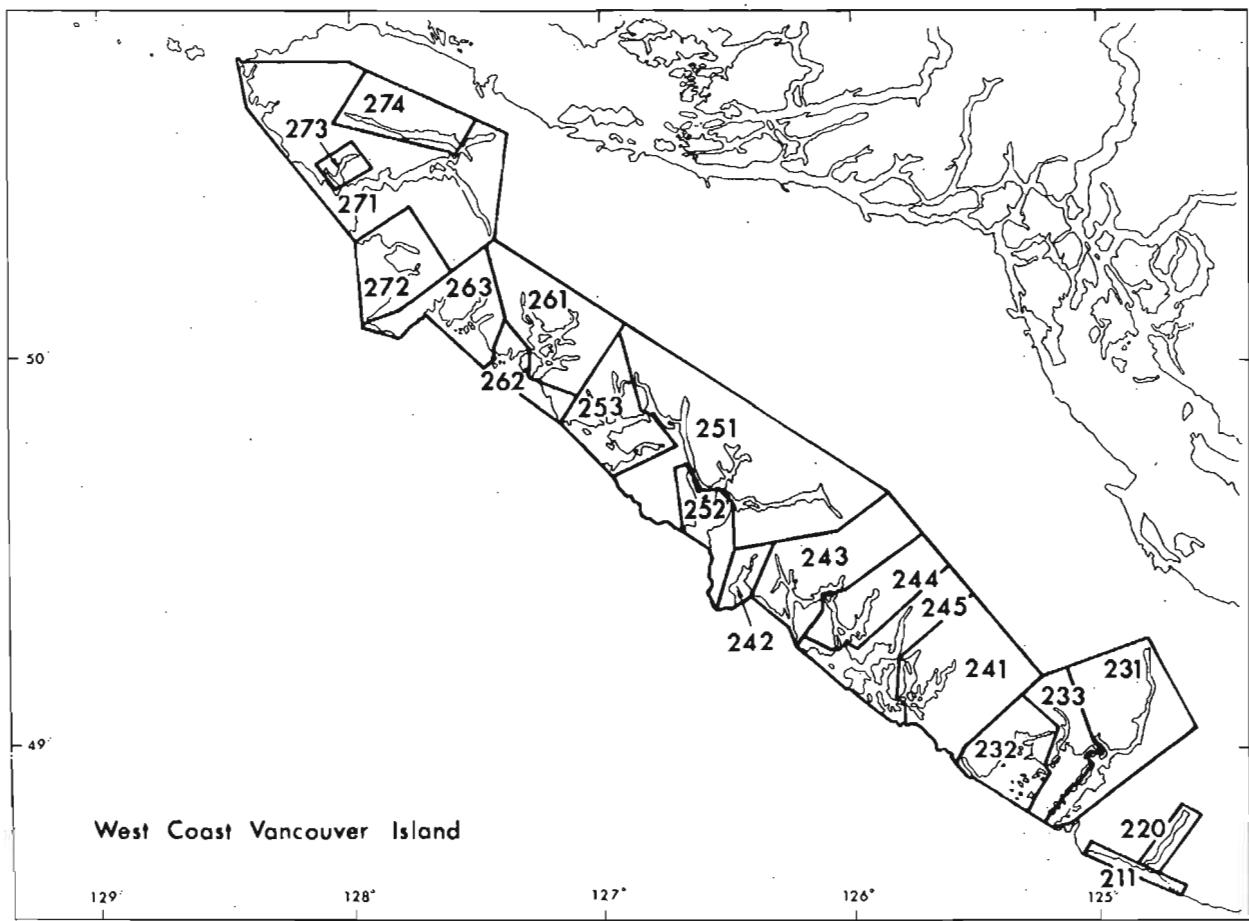
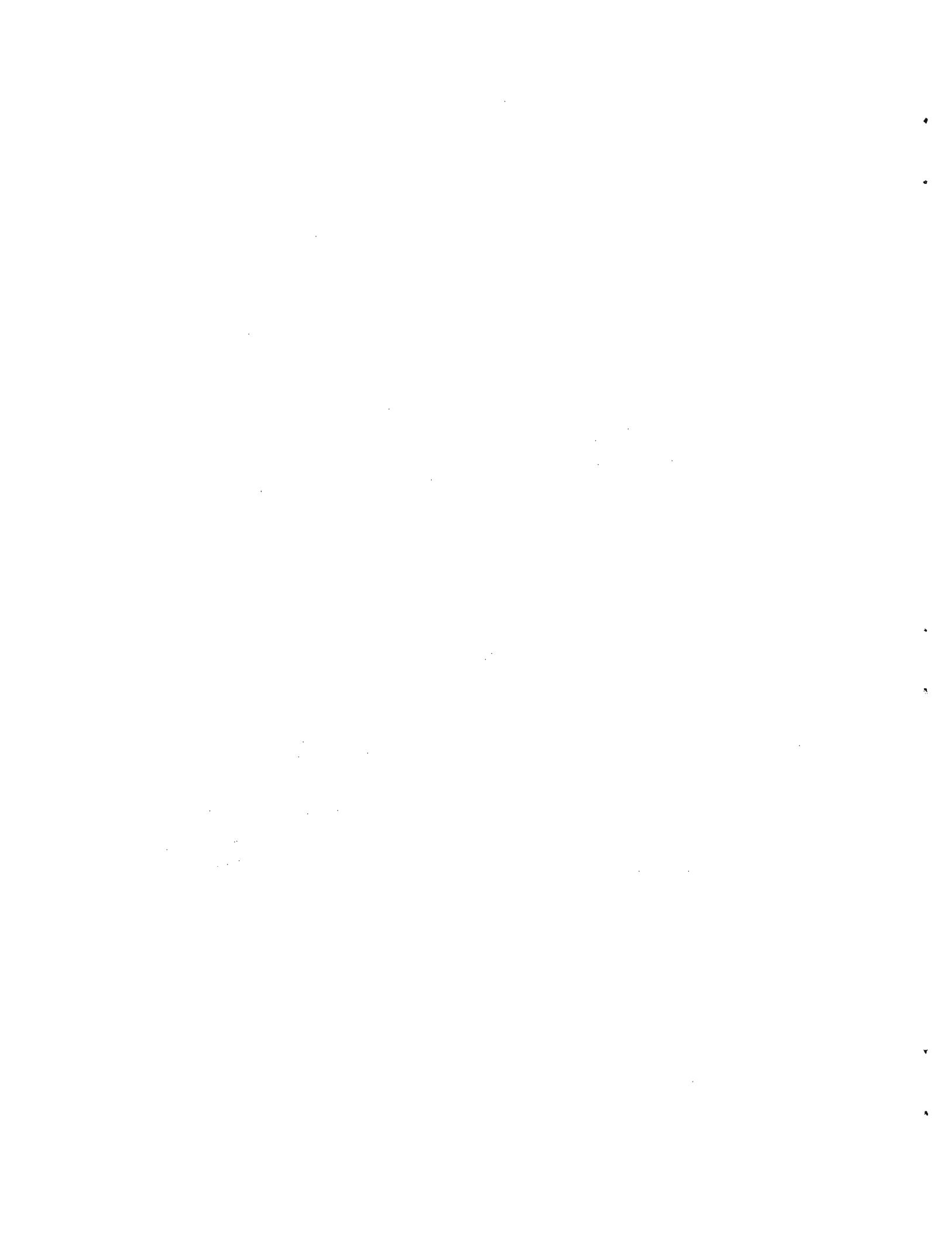


Fig. 6. Herring sections in the west coast of Vancouver Island region.



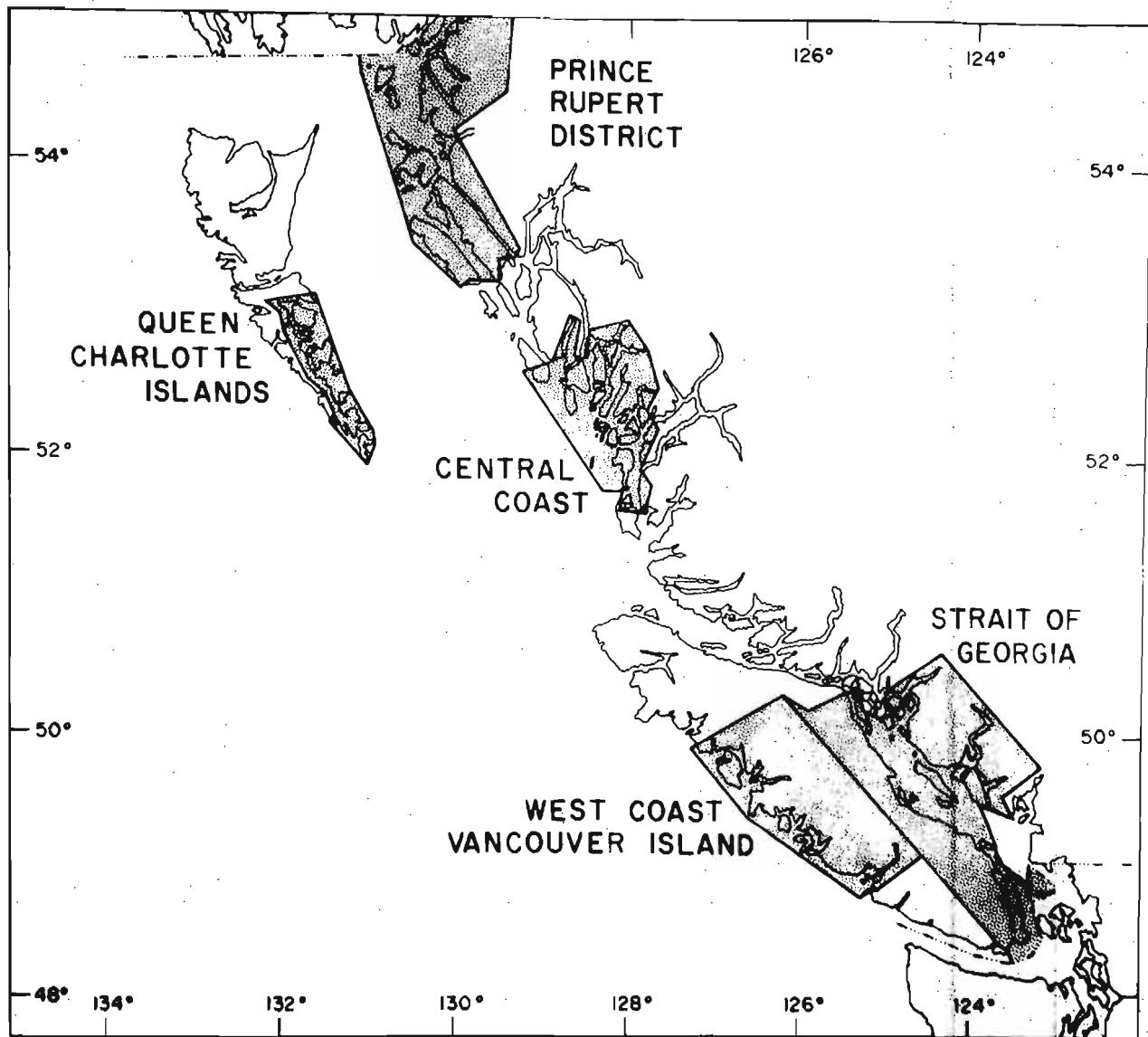


Fig. 7. Stock assessment regions in British Columbia.

