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SUMMARY OF BRITISH COLUMBIA HERRING SAMPLING DATA FOR THE 1992-93 SEASON

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1993



Canadian Data Report of Fisheries and Aquatic Sciences 927



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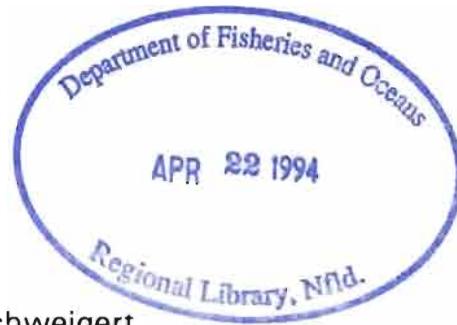
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Cat. No. Fs 97-13/927E ISSN 0706-6465

Correct citation for this publication:

Hamer, L., and J. Schweigert. 1993. Summary of British Columbia herring sampling data for the 1992-93 season. Can. Data Rep. Fish. Aquat. Sci. 927: 113 p.

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ABSTRACT

Hamer, L., and J. Schweigert. 1993. Summary of British Columbia herring sampling data for the 1992-93 season. Can. Data Rep. Fish. Aquat. Sci. 927: 113 p.

Age compositions and the average length and weight at age, the sex ratio, and the maturity states of herring samples combined by geographical area, time period, gear type, and source are tabulated for the 1992-93 season. Tables are given for two geographical groupings: statistical areas and sections.

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

RESUME

Hamer, L., and J. Schweigert. 1993. Summary of British Columbia herring sampling data for the 1992-93 season. Can. Data Rep. Fish. Aquat. Sci. 927: 113 p.

Ce rapport présente la répartition par âge, la taille moyenne et le poids en fonction de l'âge, la proportion par sexe et l'état de maturité de harengs échantillonnés en 1992-1993, 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 échantillonnés, répartition par âge, regroupements géographiques

INTRODUCTION

Biological samples of herring are collected and sampled 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 1992-93 herring season which extends from July 1, 1992 to June 30, 1993. 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 43-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. 20 vessels in the fall 1993 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 onto 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 1992/93 season 104 roe fishery samples, 269 test fishing samples, 11 food fishery samples, and 21 research and miscellaneous samples were processed, bringing the total number for the season to 405 (Table 3). Thirteen seine vessels and five gillnet vessels were chartered to help manage the 1993 roe herring fisheries through hydroacoustic surveys and test fishing. An additional two seine vessels were chartered to assist in spawn assessment after the fisheries were completed. (Details on the distribution of effort, number of sets made, and number of samples collected are provided in Table 4.) All food fishery samples were taken in area 17, with the majority coming from the Yellow Point vicinity. Research samples were collected from two sources. The La Perouse project conducted a research cruise to study herring year-class strength and production off the west coast of Vancouver Island. Other research samples were collected by the W.E.Ricker during a hydroacoustic survey of Browning Entrance and Juan Perez Inlet. The remaining research sample was collected by the Walker Rock while conducting a bait herring survey in the Johnstone Strait area.

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 1989 to 1993 in Table 6.

FISHING TIMES AND AREAS

A total coastwide catch of 40762 tons (36898 t.) was hailed for 1993 roe fisheries. Seventeen openings occurred between March 2 and April 1 in 1993 (Table 7). All south coast fisheries were completed by March 10; all central and north coast fisheries were completed between March 24 and April 1.

Most openings in 1993 occurred during times and in areas similar to recent fisheries with two exceptions: 1) due to weather and stock factors the QCI West fishery opened later than normal, and 2) the WCVI gillnet fishery took place in Winter Harbour, which had not had a roe fishery since 1984.

The highest average hailed seine catch (137 tons), was in the GULF opening; the highest average hailed gillnet catch (18.4 tons) was in the WCVI fishery. The lowest average hailed seine and gillnet catches occurred in the QCI (2W) fishery (59.7 tons), and in the GULF single license fishery (11.3 tons). The difference between hailed catches and quotas ranged from 0% in the PRD seine and the GULF double license gillnet fisheries, to an

an overage of 93% in the WCVI seine fishery. On a coastwide basis there was a 22% overage, which is similar to the overage in the past few years.

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
1993 age compositions	Table 5
1989 - 1993 age compositions	Table 6
Roe herring fishery summaries	Table 7
Data summaries	Tables 8 - 14.

The data summaries include various groupings of samples by geographical areas, gear types, and source types. Each summary contains information on the age composition, the average length and weight at age, the sex ratio, and the maturity stages of the combined samples in that report.

ACKNOWLEDGMENTS

Margaret Burke, Karen Charles, Darlene Gillespie, Sue Janz, 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.

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- 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.)
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).

Stage	State of Maturity	Gonad appearance	Description	Timing
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 1992-93 season.

Area	Sect	Location	Sample						No. of Fish		
			Number	Year	Month	Day	Gear	Source	Pre Sampled	Aged	
2W	2	PORT LOUIS	190	93	3	7	29	5	0	100	93
2W	2	PORT LOUIS	192	93	3	16	29	5	0	100	96
2W	2	PORT LOUIS	193	93	3	26	29	5	0	100	97
2W	2	PORT LOUIS	195	93	3	19	29	5	0	100	95
2W	2	PORT LOUIS	196	93	3	18	29	5	0	100	99
2W	2	PORT LOUIS	265	93	3	28	29	0	0	100	91
2W	2	TINGLEY COVE	255	93	3	28	29	0	0	100	90
2W	3	CLONARD BAY	228	93	3	29	29	0	0	100	92
2W	3	CLONARD BAY	231	93	3	29	29	0	0	100	88
2W	3	CLONARD BAY	258	93	3	29	29	0	0	100	93
2W	3	CLONARD BAY	283	93	3	30	29	0	0	100	94
2W	3	RENNELL SOUND	165	93	3	28	29	5	0	100	93
2W	3	RENNELL SOUND	191	93	3	9	29	5	0	100	96
2W	3	SHIELDS BAY	163	93	3	25	29	5	0	100	95
2W	3	SHIELDS BAY	261	93	3	29	29	0	0	100	86
2W	3	SHIELDS ISLAND	158	93	3	20	29	5	0	100	97
2W	3	SHIELDS ISLAND	162	93	3	15	29	5	0	100	95
2W	3	SHIELDS ISLAND	240	93	3	30	29	0	0	100	91
2W	4	DAWSON HARBOUR	159	93	3	23	29	5	0	100	92
2W	5	INSKIP CHANNEL	160	93	4	2	29	5	0	100	95
2W	5	INSKIP CHANNEL	161	93	4	1	29	5	0	100	89
2W	5	INSKIP CHANNEL	164	93	3	27	29	5	0	100	95
2W	5	INSKIP CHANNEL	166	93	4	2	29	5	0	100	95
2W	5	INSKIP CHANNEL	194	93	4	1	29	5	0	100	99
2W	5	INSKIP CHANNEL	197	93	4	2	29	5	0	100	91
2W	5	INSKIP CHANNEL	205	93	3	30	29	5	0	100	95
2W	5	INSKIP CHANNEL	229	93	3	31	29	0	0	100	89
2W	5	INSKIP CHANNEL	268	93	3	31	29	0	0	100	66
2W	5	INSKIP CHANNEL	272	93	3	31	29	0	0	100	79
2W	6	LOUSCOONE INLET	156	93	3	7	29	5	0	100	95
2W	6	LOUSCOONE INLET	167	93	3	8	29	5	0	100	96
2W	6	LOUSCOONE INLET	179	93	3	6	29	5	0	100	98
2E	21	BURNABY STRAIT	185	93	3	10	29	5	0	100	97
2E	21	BURNABY STRAIT	206	93	3	11	29	5	0	100	100
2E	21	HUXLEY ISLAND	188	93	3	24	29	5	0	100	97
2E	21	SEDGWICK BAY	3	92	12	6	59	2	0	100	84
2E	23	CONGLOMERATE PT.	151	93	4	4	29	5	0	100	91
2E	23	CUMSHEWA INLET	223	93	4	4	29	5	0	100	96
2E	24	DARWIN SOUND	4	92	12	7	59	2	0	100	87
2E	24	SELWYN INLET	152	93	4	3	29	5	0	100	96
2E	24	SELWYN INLET	180	93	3	30	29	5	0	98	91
2E	25	BOLKUS ISLANDS	153	93	3	17	29	5	0	100	95
2E	25	BOLKUS ISLANDS	172	93	3	19	29	5	0	100	93
2E	25	HUSTON INLET	149	93	3	27	29	5	0	100	97
2E	25	HUSTON INLET	150	93	3	26	29	5	0	100	97
2E	25	HUSTON INLET	168	93	3	23	29	5	0	100	96
2E	25	HUSTON INLET	181	93	3	20	29	5	0	100	99
2E	25	HUSTON INLET	183	93	3	27	29	5	0	100	96
2E	25	HUSTON INLET	221	93	3	17	29	5	0	100	95
2E	25	HUSTON INLET	259	93	3	25	29	0	0	100	91
2E	25	HUSTON INLET	260	93	3	25	29	0	0	100	94
2E	25	HUSTON INLET	264	93	3	25	29	0	0	100	98
2E	25	HUSTON INLET	266	93	3	25	29	0	0	100	93
2E	25	HUSTON INLET	270	93	3	25	29	0	0	100	90
2E	25	HUSTON INLET	275	93	3	25	29	0	0	100	91
2E	25	HUSTON INLET	299	93	3	18	29	5	0	100	97

Table 3 (cont'd).

Area	Sect	Location	Sample						No. of Fish		
			Number	Year	Month	Day	Gear	Source	Pre	Sampled	Aged
2E	25	HUSTON INLET E.	232	93	3	25	29	0	0	100	92
2E	25	HUSTON INLET E.	269	93	3	25	29	0	0	100	92
2E	25	JEDWAY BAY	155	93	3	25	29	5	0	100	97
2E	25	JEDWAY BAY	173	93	3	24	29	5	0	100	96
2E	25	JEDWAY BAY	215	93	3	23	29	5	0	100	96
2E	25	JEDWAY BAY	279	93	3	25	29	0	0	100	94
2E	25	JEDWAY BAY	285	93	3	25	29	0	0	100	99
2E	25	SKINCUTTLE INLET	157	93	3	11	29	5	0	100	95
2E	25	SKINCUTTLE INLET	176	93	3	13	29	5	0	100	97
2E	25	SKINCUTTLE INLET	177	93	3	15	29	5	0	100	95
2E	25	SKINCUTTLE INLET	182	93	3	7	29	5	0	100	98
2E	25	SKINCUTTLE INLET	200	93	3	10	29	5	0	100	94
2E	25	SKINCUTTLE INLET	204	93	3	13	29	5	0	100	92
2E	25	SKINCUTTLE INLET	338	93	3	8	29	5	0	100	96
3	33	BIRNIÉ ISLAND	148	93	3	16	29	5	0	100	96
3	33	BIRNIE ISLAND	154	93	3	19	29	5	0	100	95
3	33	BIRNIE ISLAND	174	93	3	14	29	5	0	98	91
3	33	CUNNINGHAM PASS	169	93	3	19	29	5	0	100	97
3	33	CUNNINGHAM PASS	184	93	3	14	29	5	0	100	99
3	33	CUNNINGHAM PASS	214	93	3	18	29	5	0	100	97
3	33	HOOK POINT	209	93	3	14	29	5	0	100	93
3	33	PORT SIMPSON	202	93	3	22	29	5	0	100	97
4	42	BELLETTI POINT	339	93	3	31	19	0	0	100	86
4	42	BIG BAY	207	93	3	27	29	5	0	100	95
4	42	BURNT CLIFF IS.	318	93	3	17	29	5	0	98	93
4	42	FINLAYSON ISLAND W.	217	93	3	23	29	5	0	100	95
4	42	FLAT TOP ISLETS	213	93	3	28	29	5	0	100	92
4	42	GORDON POINT	315	93	3	17	29	5	0	100	90
4	42	OTTER ANCHORAGE	178	93	3	16	29	5	0	100	98
4	42	RYAN POINT	247	93	3	31	19	0	0	100	80
4	42	RYAN POINT	349	93	3	31	19	0	0	100	87
4	42	SHATTOCK POINT	242	93	3	31	19	0	0	100	78
4	42	SHATTOCK POINT	346	93	3	31	19	0	0	100	74
4	42	SLIPPERY ROCK	245	93	3	31	19	0	0	100	86
4	42	SLIPPERY ROCK	342	93	3	31	19	0	0	100	90
4	42	SOUTH ISLAND	198	93	3	20	29	5	0	100	96
4	42	TREE BLUFF	246	93	3	31	19	0	0	100	78
4	42	WHITECLIFF ISLAND	170	93	3	28	29	5	0	100	92
4	42	WHITECLIFF ISLAND	243	93	3	31	19	0	0	100	86
5	51	BROWNING ENTRANCE	1	92	12	3	59	2	0	100	92
5	51	BROWNING ENTRANCE	2	92	12	5	59	2	0	100	90
5	52	FREEMAN PASSAGE	142	93	3	28	29	5	0	100	94
5	52	GURD ISLAND	139	93	3	30	29	5	0	100	97
5	52	GURD ISLAND	140	93	3	28	29	5	0	100	97
5	52	GURD ISLAND	175	93	3	31	29	5	0	100	92
5	52	GURD ISLAND	186	93	4	3	29	5	0	100	94
5	52	GURD ISLAND	187	93	4	2	29	5	0	100	92
5	52	GURD ISLAND	201	93	3	31	29	5	0	100	95
5	52	GURD ISLAND	244	93	4	1	29	0	0	100	91
5	52	GURD ISLAND	252	93	4	1	29	0	0	100	93
5	52	GURD ISLAND	253	93	4	1	29	0	0	100	95
5	52	GURD ISLAND	276	93	4	1	29	0	0	100	93
5	52	GURD ISLAND	287	93	4	1	29	0	0	100	95
5	52	GURD ISLAND	317	93	1	4	29	0	0	100	84
5	52	GURD POINT	225	93	3	23	29	5	0	100	93
5	52	GURD POINT	262	93	4	1	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	
5	52	KITKATLA CHANNEL	226	93	3	29	29	5	0	100	93
5	52	KITKATLA CHANNEL	280	93	4	1	29	0	0	100	94
5	52	KITKATLA INLET	282	93	4	1	29	0	0	100	95
5	52	NESS ISLANDS	277	93	4	1	29	0	0	100	88
5	52	NESS ISLANDS	313	93	4	1	29	0	0	100	93
5	52	PORCHER PENINSULA	189	93	4	1	29	5	0	100	96
5	52	PORCHER PENINSULA	316	93	3	27	29	5	0	100	94
5	52	ROBERT ISLAND	278	93	3	26	29	5	0	100	93
5	52	VISCOUNT POINT	171	93	3	29	29	5	0	100	88
5	52	VISCOUNT POINT	210	93	3	25	29	5	0	100	94
5	52	WILLIS BAY	145	93	3	28	29	5	0	100	96
5	52	WILLIS BAY	208	93	3	23	29	5	0	100	92
6	67	JAMIESON POINT	129	93	3	9	29	5	0	100	96
6	67	KITASU BAY	147	93	3	19	29	5	0	100	97
6	67	KITASU BAY	222	93	3	17	29	5	0	100	99
6	67	KWAKWA CREEK	211	93	3	13	29	5	0	100	95
6	67	MARVIN ISLANDS	123	93	3	14	29	5	0	100	98
6	67	MARVIN ISLANDS	132	93	3	10	29	5	0	100	95
6	67	MARVIN ISLANDS	332	93	3	11	29	5	0	100	91
6	67	MARVIN ISLANDS	375	93	3	8	29	5	0	100	95
6	67	MEYERS PASSAGE	335	93	3	5	29	5	0	100	96
6	67	OSMENT INLET	124	93	3	15	29	5	0	100	97
6	67	PARSONS ANCHORAGE	138	93	3	19	29	5	0	100	96
6	67	PARSONS ANCHORAGE	143	93	3	18	29	4	0	100	87
6	67	WINGATE POINT	131	93	3	4	29	5	0	100	96
7	72	BERRY INLET	126	93	3	19	29	5	0	100	93
7	72	DOVE POINT	273	93	3	24	29	0	0	100	89
7	72	FOOTE ISLETS	236	93	3	29	19	0	0	100	89
7	72	FOOTE ISLETS	320	93	3	12	29	5	0	100	95
7	72	FOOTE ISLETS	359	93	3	9	29	5	0	100	96
7	72	FOOTE ISLETS	362	93	3	28	19	0	0	100	76
7	72	POWELL ANCHORAGE	128	93	3	20	29	5	0	100	100
7	72	POWELL ANCHORAGE	237	93	3	28	19	0	0	100	75
7	72	POWELL ANCHORAGE	325	93	3	17	29	5	0	100	97
7	72	SHINGLE ROCK	144	93	3	23	29	5	0	100	99
7	72	SHINGLE ROCK	216	93	3	26	29	5	0	100	90
7	72	SHINGLE ROCK	251	93	3	25	29	0	0	100	94
7	72	SHINGLE ROCK	263	93	3	25	29	0	0	100	98
7	72	SPILLER CHANNEL	134	93	3	19	29	5	0	100	92
7	72	SPILLER CHANNEL	199	93	3	12	29	5	0	100	92
7	72	SPILLER CHANNEL	224	93	3	23	29	5	0	100	94
7	72	SPILLER CHANNEL	227	93	3	17	29	5	0	100	94
7	72	SPILLER CHANNEL	233	93	3	24	29	0	0	100	94
7	72	SPILLER CHANNEL	234	93	3	24	29	0	0	100	100
7	72	SPILLER CHANNEL	248	93	3	26	29	0	0	100	88
7	72	SPILLER CHANNEL	249	93	3	24	29	0	0	100	96
7	72	SPILLER CHANNEL	284	93	3	24	29	0	0	100	95
7	72	SPILLER CHANNEL	286	93	3	25	29	0	0	100	94
7	72	SPILLER CHANNEL	303	93	3	28	29	5	0	100	97
7	72	SPILLER CHANNEL	329	93	3	18	29	5	0	100	98
7	72	SPILLER CHANNEL	347	93	3	2	29	5	0	100	98
7	72	SPILLER CHANNEL	350	93	3	6	29	5	0	100	91
7	72	SPILLER CHANNEL	351	93	3	27	29	5	0	100	94
7	72	SPILLER CHANNEL	353	93	3	28	29	5	0	100	99
7	72	SPILLER CHANNEL	358	93	3	17	29	5	0	100	98
7	72	SPILLER CHANNEL	364	93	3	28	29	5	0	100	96

Table 3 (cont'd.).

Area	Sect	Location	Sample						<u>No. of Fish</u>		
			Number	Year	Month	Day	Gear	Source	Pre Sampled	Aged	
7	72	SPILLER LAGOON	133	93	3	23	29	5	0	100	95
7	72	SPILLER LAGOON	141	93	3	24	29	5	0	100	97
7	72	SPILLER LAGOON	239	93	3	24	29	0	0	100	94
7	72	SPILLER LAGOON	271	93	3	24	29	0	0	100	91
7	72	SPILLER LAGOON	311	93	3	27	29	5	0	100	94
7	72	SPILLER LAGOON	334	93	3	27	29	5	0	100	98
7	74	DUNDIVAN INLET	119	93	3	22	29	5	0	100	100
7	74	DUNDIVAN INLET	135	93	3	14	29	5	0	100	94
7	74	DUNDIVAN INLET	212	93	3	22	29	5	0	100	95
7	74	DUNDIVAN INLET	218	93	3	10	29	5	0	100	96
7	74	DUNDIVAN INLET	281	93	3	24	29	0	0	100	92
7	74	DUNDIVAN INLET	291	93	3	12	29	5	0	100	90
7	74	DUNDIVAN INLET	305	93	3	23	29	5	0	100	94
7	74	DUNDIVAN INLET	307	93	3	7	29	5	0	100	95
7	74	DUNDIVAN INLET	376	93	3	24	29	5	0	100	92
7	74	EDWARDS POINT	238	93	3	29	19	0	0	100	73
7	74	GALE PASSAGE	361	93	3	28	19	0	0	100	86
7	74	IDOL POINT	127	93	3	18	29	5	0	100	95
7	74	IDOL POINT	137	93	3	22	29	5	0	100	94
7	74	JOANNA ROCK	146	93	3	23	29	5	0	100	90
7	74	LITTLE THOMPSON BAY	115	93	3	23	29	5	0	100	97
7	74	LITTLE THOMPSON BAY	116	93	3	21	29	5	0	100	100
7	74	LITTLE THOMPSON BAY	235	93	3	28	19	0	0	100	73
7	74	LITTLE THOMPSON BAY	267	93	3	28	19	0	0	100	69
7	74	LITTLE THOMPSON BAY	300	93	3	19	29	5	0	100	90
7	74	LITTLE THOMPSON BAY	324	93	3	26	29	5	0	100	97
7	74	LITTLE THOMPSON BAY	356	93	3	17	29	5	0	98	92
7	74	LITTLE THOMPSON BAY	368	93	3	28	19	0	0	100	83
7	74	NORMAN MORRISON BAY	120	93	3	20	29	5	0	100	98
7	74	NORMAN MORRISON BAY	295	93	3	16	29	5	0	100	95
7	74	NORMAN MORRISON BAY	345	93	3	14	29	5	0	100	95
7	74	POTTS ISLAND	333	93	3	10	29	5	0	100	97
7	74	POTTS ISLAND	337	93	3	16	29	5	0	100	97
7	74	POTTS ISLAND	341	93	3	14	29	5	0	100	98
7	74	RAYMOND PASS	94	93	3	8	29	5	0	100	94
7	74	STRYKER BAY	130	93	3	21	29	5	0	100	95
7	74	STRYKER BAY	219	93	3	26	29	5	0	100	99
7	74	STRYKER BAY	343	93	3	19	29	5	0	100	97
7	74	STRYKER BAY	369	93	3	24	29	5	0	100	96
7	74	THOMPSON BAY	377	93	3	28	19	0	0	100	78
7	74	WASKESIU PASS	118	93	3	17	29	5	0	100	96
7	74	WASKESIU PASS	230	93	3	28	19	0	0	100	79
7	74	WASKESIU PASS	296	93	3	17	29	5	0	100	90
7	74	WASKESIU PASS	297	93	3	20	29	5	0	100	92
7	74	WASKESIU PASS	344	93	3	23	29	5	0	100	98
7	74	WASKESIU PASS	348	93	3	15	29	5	0	100	92
7	74	WASKESIU PASS	367	93	3	7	29	5	0	100	99
7	74	WASKESIU PASS	372	93	3	19	29	5	0	100	98
7	77	EAST HIGGINS PASS	220	93	3	16	29	5	0	100	95
7	77	EAST HIGGINS PASS	306	93	3	8	29	5	0	100	94
7	77	EAST HIGGINS PASS	331	93	3	4	29	5	0	100	98
7	77	EAST HIGGINS PASS	355	93	3	12	29	5	0	100	98
7	78	JAMES BAY	114	93	3	29	29	5	0	100	89
7	78	NEEKAS INLET	122	93	3	27	29	5	0	100	98
7	78	NEEKAS INLET	136	93	3	16	29	5	0	100	94
7	78	NEEKAS INLET	241	93	3	24	29	0	0	100	98

Table 3 (cont'd.).

Area	Sect	Location	Sample						No. of Fish		
			Number	Year	Month	Day	Gear	Source	Pre Sampled	Aged	
7	78	NEEKAS INLET	274	93	3	24	29	0	0	100	95
8	85	KWAKSHUA CHANNEL	125	93	3	16	29	5	0	100	96
8	85	KWAKSHUA CHANNEL	330	93	3	6	29	5	0	100	93
10	102	TAKUSH HARBOUR	121	93	3	15	29	5	0	100	91
13	132	DEEPWATER BAY	108	93	3	11	29	5	0	100	92
13	133	LOUGHBOROUGH INLET	60	93	3	12	29	5	0	100	85
14	142	BAYNES SOUND	22	93	3	1	29	5	0	100	96
14	142	BAYNES SOUND	117	93	2	25	29	5	0	100	83
14	142	BOYLE POINT	74	93	3	7	19	0	0	100	71
14	142	BUCKLEY BAY	41	93	3	2	29	0	0	100	91
14	142	BUCKLEY BAY	45	93	3	2	29	0	0	100	94
14	142	BUCKLEY BAY	56	93	3	2	29	0	0	100	90
14	142	BUCKLEY BAY	59	93	3	2	29	0	0	100	82
14	142	CAPE LAZO	357	93	2	27	29	5	0	100	90
14	142	COLLISHAW POINT	20	93	2	27	29	5	0	100	84
14	142	COLLISHAW POINT	21	93	3	4	29	5	0	100	95
14	142	COLLISHAW POINT	366	93	2	27	29	5	0	100	90
14	142	COMOX BAR	3	93	3	6	29	5	0	100	92
14	142	COMOX BAR	66	93	2	28	29	5	0	100	95
14	142	COMOX BAR	327	93	2	25	29	5	0	100	89
14	142	COMOX BAR	373	93	2	25	29	5	0	100	95
14	142	DENMAN ISLAND E.	46	93	3	2	29	0	0	100	88
14	142	DENMAN ISLAND E.	48	93	3	2	29	0	0	100	89
14	142	DENMAN ISLAND E.	50	93	3	2	29	0	0	100	86
14	142	DENMAN ISLAND E.	52	93	3	2	29	0	0	100	88
14	142	DENMAN ISLAND E.	53	93	3	2	29	0	0	100	93
14	142	DENMAN ISLAND E.	58	93	3	2	29	0	0	100	88
14	142	DENMAN POINT	203	93	3	3	29	5	0	100	93
14	142	FILLONGLEY PARK	4	93	2	26	29	5	0	100	83
14	142	FILLONGLEY PARK	71	93	3	6	19	0	0	100	75
14	142	FILLONGLEY PARK	293	93	2	27	29	5	0	100	93
14	142	FLORA ISLET	8	93	2	27	29	5	0	100	91
14	142	GARTLEY POINT	328	93	2	26	29	5	0	100	97
14	142	GOOSE SPIT	374	93	2	27	29	5	0	100	88
14	142	KOMAS BLUFF	1	93	2	23	29	5	0	100	85
14	142	KOMAS BLUFF	2	93	2	28	29	5	0	100	77
14	142	KOMAS BLUFF	103	93	3	4	29	5	0	100	91
14	142	KOMAS BLUFF	256	93	3	7	19	0	0	100	78
14	142	KOMAS BLUFF	322	93	2	23	29	5	0	100	93
14	142	LONGBEAK POINT	54	93	3	7	19	0	0	100	71
14	142	LONGBEAK POINT	73	93	3	7	19	0	0	100	86
14	142	NORRIS ROCKS	112	93	2	24	29	5	0	100	88
14	142	NORRIS ROCKS	340	93	2	25	29	5	0	100	91
14	142	SANDY ISLAND	11	93	3	2	29	5	0	100	92
14	142	SANDY ISLAND	13	93	2	28	29	5	0	100	95
14	142	SANDY ISLAND	32	93	3	6	19	0	0	100	62
14	142	SANDY ISLAND	102	93	3	1	29	5	0	100	93
14	142	SANDY ISLAND	257	93	3	7	19	0	0	100	88
14	142	SANDY ISLAND	354	93	2	28	29	5	0	100	94
14	142	SANDY ISLAND	360	93	2	24	29	5	0	100	97
14	142	SEAL ISLETS	254	93	3	7	19	0	0	100	72
14	142	SHINGLE SPIT	308	93	3	6	19	0	0	100	78
14	142	UNION POINT	352	93	2	28	29	5	0	100	94
14	142	WHALEBONE POINT	35	93	3	6	19	0	0	100	60
14	142	WHALEBONE POINT	51	93	3	6	19	0	0	100	80
14	142	WHALEBONE POINT	57	93	3	6	19	0	0	100	86

Table 3 (cont'd.).

Area	Sect	Location	Sample						No. of Fish		
			Number	Year	Month	Day	Gear	Source	Pre Sampled	Aged	
14	143	COTTAM POINT	91	93	3	18	29	5	0	100	88
14	143	MISTAKEN ISLAND	294	93	3	7	29	5	0	100	96
14	143	NORTHWEST BAY	109	93	3	15	29	5	0	100	92
14	143	QUALICUM BEACH	28	93	3	7	29	5	0	100	96
15	152	SAVARY ISLAND	70	93	3	10	29	5	0	100	93
17	172	GABRIOLA IS. N	8	92	11	16	29	6	0	100	90
17	173	BOAT HARBOUR	82	93	3	16	29	5	0	100	87
17	173	BOAT HARBOUR	370	93	3	13	29	5	0	100	93
17	173	COFFIN POINT (IS.)	19	93	3	12	29	5	0	100	86
17	173	COFFIN POINT (IS.)	27	93	3	8	29	5	0	100	95
17	173	COFFIN POINT (IS.)	83	93	3	13	29	5	0	100	95
17	173	DE COURCY ISLAND	18	93	3	11	29	5	0	100	92
17	173	DE COURCY ISLAND	96	93	3	13	29	5	0	100	80
17	173	DE COURCY ISLAND	298	93	3	13	29	5	0	100	93
17	173	FLAT TOP ISLANDS	113	93	3	18	29	5	0	100	92
17	173	FLEWETT POINT	302	93	3	13	29	5	0	100	95
17	173	GABRIOLA PASSAGE	15	92	11	25	29	6	0	100	81
17	173	GABRIOLA PASSAGE	25	92	12	5	29	6	0	100	98
17	173	NORTHUMBERLAND CH.	12	92	11	9	29	6	0	100	83
17	173	NORTHUMBERLAND CH.	21	92	11	16	29	6	0	100	95
17	173	NORTHUMBERLAND CH.	23	92	11	20	29	6	0	100	93
17	173	NORTHUMBERLAND CH.	27	92	11	9	29	6	0	100	80
17	173	NORTHUMBERLAND CH.	97	93	3	19	29	5	0	100	91
17	173	PYLADES CHANNEL	9	92	12	1	29	6	0	100	90
17	173	PYLADES CHANNEL	104	93	3	14	29	5	0	100	93
17	173	RUXTON PASS	15	93	3	9	29	5	0	100	91
17	173	SHINGLE POINT	19	92	12	2	29	6	0	100	90
17	173	STUART CHANNEL	20	92	11	30	29	6	0	100	88
17	173	STUART CHANNEL	309	93	3	14	29	5	0	100	98
17	173	THETIS ISLAND	16	92	12	4	29	6	0	100	85
17	173	WALLACE ISLAND	14	93	3	10	29	5	0	100	92
18	181	NOSE POINT	16	93	3	10	29	5	0	100	91
18	181	NOSE POINT	17	93	3	10	29	5	0	100	88
18	181	NOSE POINT	326	93	2	24	29	5	0	100	87
21	219	SWIFTSURE BANK	11	92	7	30	59	3	0	100	67
21	219	SWIFTSURE BANK	24	92	7	30	59	3	0	100	83
23	232	BEG ISLANDS	63	93	2	24	29	5	0	100	93
23	232	BEG ISLANDS	314	93	3	6	29	5	0	100	96
23	232	CHROW ISLANDS	78	93	3	6	29	5	0	100	95
23	232	CHROW ISLANDS	79	93	3	1	29	5	0	100	93
23	232	CHROW ISLANDS	81	93	3	13	29	5	0	100	91
23	232	CHROW ISLANDS	90	93	2	28	29	5	0	100	94
23	232	CHROW ISLANDS	105	93	2	25	29	5	0	100	94
23	232	CHROW ISLANDS	301	93	2	27	29	5	0	100	86
23	232	CHROW ISLANDS	319	93	3	7	29	5	0	100	90
23	232	CHROW ISLANDS	363	93	3	4	29	5	0	100	92
23	232	CHROW ISLANDS	371	93	2	26	29	5	0	100	94
23	232	DAVID CHANNEL	85	93	3	6	29	5	0	100	95
23	232	DAVID ISLAND	69	93	2	28	29	5	0	100	87
23	232	DAVID ISLAND	289	93	3	5	29	5	0	100	93
23	232	FOOD ISLETS	31	93	3	7	29	0	0	100	87
23	232	FOOD ISLETS	42	93	3	7	29	0	0	100	89
23	232	FOOD ISLETS	44	93	3	7	29	0	0	100	86
23	232	FOOD ISLETS	47	93	3	7	29	0	0	100	76
23	232	FOOD ISLETS	49	93	3	7	29	0	0	100	86
23	232	FOOD ISLETS	55	93	3	7	29	0	0	100	70

Table 3 (cont'd.).

Area	Sect	Location	Sample						No. of Fish		
			Number	Year	Month	Day	Gear	Source	Pre Sampled	Aged	
23	232	FOOD ISLETS	72	93	3	7	29	0	0	100	78
23	232	FOOD ISLETS	75	93	3	7	29	0	0	100	84
23	232	FORBES ISLAND	23	93	3	7	29	5	0	100	94
23	232	FORBES ISLAND	43	93	3	7	29	0	0	100	93
23	232	FORBES ISLAND	93	93	2	22	29	5	0	100	96
23	232	FORBES ISLAND	250	93	3	7	29	0	0	100	80
23	232	FORBES ISLAND	288	93	3	6	29	5	0	100	93
23	232	FORBES ISLAND	290	93	3	2	29	5	0	100	90
23	232	FORBES ISLAND	292	93	2	27	29	5	0	95	87
23	232	FORBES ISLAND	304	93	2	26	29	5	0	93	87
23	232	FORBES ISLAND	312	93	3	4	29	5	0	100	96
23	232	FORBES ISLAND	323	93	2	26	29	5	0	100	89
23	232	HERMIT ISLET	67	93	3	9	29	5	0	100	96
23	232	MACOAH PASSAGE	77	93	3	8	29	5	0	100	96
23	232	MACOAH PASSAGE	80	93	3	9	29	5	0	100	92
23	232	MAGGIE RIVER	64	93	3	2	29	5	0	100	90
23	232	PIPESTEM INLET	68	93	3	2	29	5	0	100	91
23	232	PIPESTEM INLET	89	93	3	4	29	5	0	100	90
23	232	RICHARD ROCK	62	93	3	4	29	5	0	100	97
23	232	RICHARD ROCK	88	93	2	24	29	5	0	100	97
23	232	RICHARD ROCK	336	93	2	27	29	5	0	100	88
23	232	SHEARS ISLANDS	24	93	2	23	29	5	0	98	92
23	232	SHEARS ISLANDS	106	93	2	26	29	5	0	100	91
23	232	SNOWDEN ISLAND	321	93	3	2	29	5	0	100	93
23	232	SPILLING ISLET	61	93	2	26	29	5	0	100	87
23	232	SPILLING ISLET	101	93	3	5	29	5	0	100	92
23	232	ST. INES ISLAND	25	93	3	1	29	5	0	100	95
23	232	ST. INES ISLAND	65	93	2	27	29	5	0	100	89
23	232	ST. INES ISLAND	310	93	2	28	29	5	0	100	91
23	232	ST. INES ISLAND	365	93	3	4	29	5	0	100	95
23	232	STOPPER ISLANDS	76	93	2	25	29	5	0	100	100
23	232	STOPPER ISLANDS	111	93	3	9	29	5	0	100	89
23	233	IMPERIAL EAGLE CH.	17	92	8	7	59	2	0	100	46
23	239	FINGER BANK +	13	92	8	4	59	3	0	100	82
23	239	FIRING RANGE	5	92	8	2	59	3	0	100	69
23	239	FIRING RANGE	6	92	8	3	59	3	0	100	71
23	239	FIRING RANGE	7	92	8	4	59	3	0	100	76
23	239	FIRING RANGE	10	92	8	3	59	3	0	100	35
23	239	FIRING RANGE	22	92	8	2	59	3	0	100	84
23	239	FORTY MILE BANK	18	92	8	4	59	3	0	100	89
23	239	FORTY MILE BANK	26	92	8	3	59	3	0	100	80
23	239	HOLE +	14	92	8	6	59	3	0	100	37
24	243	HOOTLA KOOTLA +	107	93	3	11	29	5	0	100	93
24	243	SHELTER INLET	87	93	3	11	29	4	0	100	94
25	252	FRIENDLY COVE	92	93	3	8	29	5	0	100	89
25	252	FRIENDLY COVE	99	93	3	3	29	5	0	100	89
25	252	SAAVEDRA ISLANDS	86	93	2	27	29	5	0	100	86
25	253	GARDEN POINT	98	93	2	25	29	5	0	100	91
25	253	ROSA HARBOUR	84	93	3	5	29	5	0	100	99
25	253	ROSA HARBOUR	95	93	2	26	29	5	0	100	93
25	253	ROSA ISLAND	110	93	3	10	29	5	0	100	85
26	261	AMAI (DEEP) INLET	26	93	3	6	29	4	0	100	91
26	261	AMAI (DEEP) INLET	100	93	3	12	29	5	0	100	79
27	272	KLASKISH INLET	5	93	3	2	29	5	0	100	94
27	272	MCDOUGAL ISLAND	9	93	3	5	29	5	0	100	91
27	272	MCDOUGAL ISLAND	29	93	3	8	29	5	0	100	88

Table 3 (cont'd).

Area	Sect	Location	Sample						<u>No. of Fish</u>		
			Number	Year	Month	Day	Gear	Source	Pre	Sampled	Aged
27	273	FORWARD INLET	10	93	3	1	29	5	0	100	94
27	273	FORWARD INLET	34	93	3	10	19	0	0	100	70
27	273	FORWARD INLET	36	93	3	10	19	0	0	100	83
27	273	FORWARD INLET	38	93	3	10	19	0	0	100	80
27	273	GREENWOOD POINT	6	93	3	4	29	5	0	100	83
27	273	GREENWOOD POINT	33	93	3	10	19	0	0	100	81
27	273	GREENWOOD POINT	37	93	3	10	19	0	0	100	75
27	273	GREENWOOD POINT	39	93	3	10	19	0	0	100	69
27	273	GREENWOOD POINT	40	93	3	10	19	0	0	100	60
27	273	MATTHEWS ISLAND	7	93	3	4	29	5	0	100	93
27	273	MATTHEWS ISLAND	30	93	3	8	29	4	0	100	94
29	291	THRASHER ROCK	12	93	3	11	29	5	0	100	95

Table 4. Number of sets made, number of samples taken, and number of samples processed by 1993 test fishing vessels.

Vessel	Area	# sets Made	# Samples Taken	# Samples Processed
Vampy 1	2W	19	9	9
Christav	2E, 2W	31	28	28
Venturous	2W	13	12	10
Pacific Discovery	3 - 5	31	27	27
Ocean Royal	5, 6, 7	38	31	31
Argent 1	7, 8	40	34	33
Belina	13 - 14	32	23	14
Prospect Point	14,17,18,29	51	38	31
Nita Dawn	14 - 18	21	17	9
Ante B	23	36	32	29
Ocean Horizon	23, 24	19	17	14
Bernice C	25, 26	13	8	8
Viking Pride	7,8,10,27	37	29	26
TOTAL		381	305	269
Northern Oasis*	4	28		
Cape Palmerston*	6, 7	15		
Endurance*	14	14		
Ocean Ripple*	14	29		
Ocean Ranger*	27	10		

* no samples taken from gillnet test fishing vessels

Table 5. Percent at age for 1993 seine roe samples, gillnet roe samples, and test fishing samples.

Section	Source	Percent at Age										Sample Size
		0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	
2	test fishery	0.0	3.1	27.7	17.5	19.4	2.1	5.6	22.3	2.3	0.0	480
2	seine fishery	0.0	0.6	16.6	12.1	15.5	4.4	2.2	44.8	3.9	0.0	181
3	test fishing	0.0	0.8	13.2	12.2	13.9	1.3	4.2	50.2	3.4	0.8	476
3	seine fishery	0.0	0.7	6.6	10.9	11.2	2.8	3.1	53.1	10.5	1.1	544
4	test fishery	0.0	1.1	9.8	13.0	17.4	3.3	4.3	38.0	10.9	2.2	92
5	seine fishery	0.0	0.0	4.7	20.1	12.0	1.7	6.8	50.0	3.4	1.3	234
5	test fishery	0.0	0.3	12.9	25.4	14.1	1.4	5.6	34.8	4.7	0.8	658
6	test fishery	0.0	0.3	12.1	27.0	7.3	8.6	6.2	36.0	2.4	0.0	289
21	test fishery	0.0	0.3	1.4	65.7	3.1	5.1	13.9	9.2	1.4	0.0	294
23	test fishery	0.0	1.1	3.2	15.0	3.7	15.5	47.6	7.5	4.3	2.1	187
24	test fishery	0.0	3.7	3.2	46.0	5.9	14.4	17.1	9.1	0.0	0.5	187
25	seine fishery	0.0	0.1	1.3	71.5	4.7	4.1	8.9	8.2	0.6	0.5	934
25	test fishery	0.0	0.0	3.6	65.2	4.0	5.0	10.2	10.8	1.0	0.3	1821
33	test fishery	0.0	0.1	15.2	23.0	48.4	3.3	4.8	3.8	1.3	0.1	765
42	gillnet fishery	0.0	0.0	0.0	8.3	40.5	9.5	18.5	13.3	8.2	1.6	745
42	test fishery	0.0	0.4	21.2	25.8	39.4	4.3	3.7	3.2	1.7	0.3	751
52	test fishery	0.0	0.1	7.1	57.8	21.3	3.5	3.9	4.3	1.5	0.5	1500
52	seine fishery	0.0	0.0	5.0	54.0	22.8	5.1	5.3	5.6	1.7	0.4	1011
67	test fishery	0.0	1.6	4.9	62.7	12.3	1.8	2.7	12.4	1.0	0.7	1150
72	gillnet fishery	0.0	0.0	0.4	37.9	15.0	6.3	5.4	31.7	1.3	2.1	240
72	seine fishery	0.0	1.2	5.8	65.5	10.4	2.5	3.6	9.5	1.4	0.1	1033
72	test fishery	0.0	4.0	7.8	62.3	10.2	1.6	2.0	10.3	1.2	0.5	2197
74	gillnet fishery	0.0	0.0	0.2	46.4	14.1	5.4	5.9	25.0	2.6	0.6	541
74	seine fishery	0.0	2.2	5.4	56.5	6.5	5.4	1.1	17.4	4.3	1.1	92
74	test fishery	0.0	5.3	6.5	66.1	7.6	1.9	2.3	8.9	0.9	0.5	3237
77	test fishery	0.0	2.9	6.0	60.3	10.9	1.8	2.9	14.3	1.0	0.0	385
78	seine fishery	0.0	0.5	7.8	54.4	11.9	3.6	2.1	17.1	1.5	1.0	193
78	test fishery	0.0	2.8	7.1	59.1	8.9	3.2	4.3	12.8	1.4	0.4	281
85	test fishery	0.0	1.6	16.4	57.7	13.8	2.1	2.1	5.3	1.1	0.0	189
102	test fishery	0.0	0.0	4.4	34.1	20.9	8.8	8.8	20.9	2.2	0.0	91
132	test fishery	0.0	10.9	43.5	38.0	2.2	1.1	2.2	2.2	0.0	0.0	92
133	test fishery	98.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85
142	gillnet fishery	0.0	0.0	11.5	40.0	17.0	21.6	4.1	5.4	0.2	0.2	907
142	seine fishery	0.0	6.2	38.4	37.8	8.5	5.9	1.9	1.4	0.0	0.0	887
142	test fishery	0.0	13.0	39.4	31.5	7.3	5.7	1.2	1.7	0.1	0.1	2543
143	test fishery	0.0	19.4	35.8	29.8	6.7	6.7	0.8	0.8	0.0	0.0	372
152	test fishery	1.1	77.4	17.2	4.3	0.0	0.0	0.0	0.0	0.0	0.0	93
173	test fishery	0.0	27.1	33.5	26.1	5.5	5.2	1.5	0.7	0.4	0.0	1373
181	test fishery	0.0	17.3	40.6	27.1	4.5	6.4	0.8	3.4	0.0	0.0	266
291	test fishery	0.0	6.3	37.9	29.5	5.3	13.7	2.1	5.3	0.0	0.0	95
232	seine fishery	0.0	3.4	25.0	37.9	6.2	8.9	3.7	11.5	1.9	1.6	829
232	test fishery	0.0	3.5	26.5	40.2	7.4	8.2	4.8	8.1	0.9	0.5	3873
243	test fishery	0.0	16.1	33.3	38.7	6.4	4.3	0.0	1.1	0.0	0.0	93
252	test fishery	0.0	6.1	32.6	51.1	5.3	3.0	0.4	1.5	0.0	0.0	264
253	test fishery	0.0	5.4	42.4	43.2	4.3	1.6	1.9	1.1	0.0	0.0	368
261	test fishery	0.0	82.3	11.4	3.8	1.3	0.0	0.0	1.3	0.0	0.0	79
272	test fishery	0.0	13.6	32.2	36.6	5.9	1.1	2.2	7.3	0.0	1.1	273
273	gillnet fishery	0.0	0.0	3.3	53.3	14.1	7.9	7.5	11.6	1.0	1.4	518
273	test fishery	0.0	7.4	34.4	45.2	5.2	1.5	1.1	4.1	0.7	0.4	270

Table 6. Age compositions for seine samples by section, 1989 - 1993.

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	889	0	1	1	82	13	1	1	1	1	1	188
2	890	0	0	2	2	81	12	0	0	1	1	1094
2	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	889	0	0	1	77	20	0	0	1	0	1	563
3	890	0	0	1	1	74	22	0	0	0	1	1259
3	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
4 CARTWRIGHT SOUND	923	0	1	10	13	17	3	4	38	11	2	92
5 ENGLEFIELD BAY	889	0	1	8	73	12	1	1	1	1	2	477
5	890	0	0	4	2	82	10	0	1	0	1	94
5	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	889	0	3	5	87	4	0	1	0	0	0	1582
6	890	0	0	11	6	80	2	0	1	0	0	2344
6	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	889	0	1	32	46	4	3	7	5	1	2	1414
21	890	0	0	10	32	36	6	3	7	3	1	1306
21	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
23 CUMSHEWA INLET	890	0	0	8	53	8	7	14	8	0	1	95
23	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 LASKEEK BAY	889	0	54	22	11	4	3	5	1	0	0	186
24	890	0	1	20	33	30	6	3	6	1	0	189
24	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
25 SKINCUTTLE INLET	889	0	0	13	67	4	3	4	5	1	2	478
25	890	0	0	4	23	55	4	2	7	3	1	1119
25	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
32 PORTLAND INLET	901	0	43	52	1	2	1	2	1	0	0	181
33 PORT SIMPSON	889	0	0	24	28	32	7	5	3	1	0	646
33	890	0	1	11	28	23	26	6	3	3	1	665
33	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
42 AREA 4 NORTH	889	0	0	25	29	30	5	5	4	1	0	931
42	890	0	0	14	26	26	25	4	4	2	0	753
42	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

Table 6 (cont'd)

Section	Season	Percent at Age									Sample Size	
		0+	1+	2+	3+	4+	5+	6+	7+	8+		
43 AREA 4 SOUTH	889	0	5	25	35	13	13	5	1	3	0	77
43	890	0	1	27	21	30	16	1	2	3	0	188
43	901	0	1	59	12	7	7	10	1	2	0	188
52 KITKATLA INLET	889	0	1	19	42	26	4	4	3	0	0	1962
52	890	0	1	20	21	30	19	4	3	2	0	3462
52	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
67 LAREDO SOUND	889	0	1	4	79	9	3	2	1	0	1	2326
67	890	0	1	5	5	76	8	2	2	1	1	1598
67	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
72 POWELL ANCHORAGE	889	0	1	5	75	11	2	3	1	1	1	366
72	890	0	1	4	5	74	8	4	3	1	1	2475
72	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
73 BELLA BELLA	889	0	3	8	74	8	4	3	1	0	0	77
73	890	0	30	12	2	45	6	4	1	1	0	186
73	901	0	3	17	7	7	55	7	3	1	0	278
74 THOMPSON BAY	889	0	3	6	70	10	4	4	1	1	2	987
74	890	0	1	6	6	66	9	6	4	1	1	814
74	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
76 KILDIDT SOUND	889	0	0	9	63	16	8	2	0	2	0	92
77 MILBANKE SOUND	889	0	0	3	81	9	2	2	0	1	1	1008
77	890	0	2	3	4	83	6	2	1	0	1	184
77	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
78 DON PENINSULA	889	0	1	3	66	15	8	5	0	0	0	226
78	890	0	1	9	5	73	5	3	2	1	1	1042
78	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
85 KWAKSHUA CHANNEL	889	0	1	7	74	8	6	3	0	1	0	560
85	890	0	1	13	6	63	6	6	3	1	0	468
85	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
92 RIVERS INLET MOUTH	889	0	1	10	72	10	2	3	0	0	0	87
93 RIVERS INLET HEAD	890	0	3	11	3	72	8	3	0	0	0	72
102 TAKUSH HARBOUR	889	0	3	7	59	24	4	3	0	1	1	169
102	890	0	1	17	8	64	7	2	1	0	0	90
102	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
112 SEYMOUR INLET	889	0	86	12	2	0	0	0	0	0	0	84
123 WEST CRACROFT IS.	889	0	13	39	40	8	0	0	0	0	0	174
124 WELLS PASSAGE	889	1	79	16	2	1	0	0	0	0	0	91
125 GILFORD ISLAND	889	1	46	4	45	2	1	1	0	0	0	273
125	890	0	26	31	7	28	6	2	0	0	0	176

Table 6 (cont'd)

Section	Season	Percent at Age										Sample Size
		0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	
126 KINGCOME INLET	889	0	65	21	12	2	0	0	0	0	0	52
126	890	0	1	8	1	76	3	3	8	0	0	90
127 KNIGHT INLET	889	0	3	4	67	4	7	13	0	0	1	270
127	890	0	4	13	1	76	0	1	4	1	0	84
132 DEEPWATER BAY	890	30	18	44	4	5	0	0	0	0	0	369
132	923	0	11	43	38	2	1	2	2	0	0	92
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
135 CAPE MUDGE	889	0	10	38	48	2	1	1	0	0	0	92
136 REED ISLAND	889	0	14	27	52	5	1	1	0	0	0	93
142 BAYNES SOUND	889	0	9	16	54	11	8	2	0	0	0	2537
142	890	0	6	48	14	25	4	2	0	0	0	1647
142	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
143 QUALICUM	890	0	5	59	11	21	1	2	1	0	0	365
143	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
152 POWELL RIVER	889	0	4	22	58	7	6	2	0	0	0	1905
152	890	0	3	59	13	20	2	2	1	0	0	835
152	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
162 HOTHAM SOUND	889	0	3	32	60	2	3	1	0	0	0	173
172 NANOOSE BAY	889	0	16	14	54	9	6	0	0	0	0	85
172	890	0	11	63	9	14	2	1	0	0	0	915
172	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
173 YELLOW POINT	889	0	17	14	49	11	8	1	0	0	0	1541
173	890	0	10	58	8	17	4	2	0	0	0	1514
173	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
181 SWANSON CHANNEL	889	0	45	14	29	5	7	0	0	0	0	91
181	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
182 PLUMPER SOUND	890	0	18	71	4	4	2	1	0	0	0	182
231 TREVOR CHANNEL	890	0	0	36	13	37	7	3	4	0	0	92
232 MACOAH PASS	889	0	3	15	63	6	8	3	1	0	0	3859
232	890	0	0	27	12	49	5	6	1	0	0	3630
232	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
233 IMPERIAL EAGLE CH	889	0	2	14	57	9	14	3	0	0	0	87
233	890	0	0	27	12	46	5	7	3	0	0	276
233	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	889	0	2	19	61	7	7	3	0	0	0	930
243	890	0	1	28	14	47	4	5	2	0	0	1657
243	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
244 MILLER CHANNEL	889	0	0	10	69	10	9	3	0	0	0	93
244	890	0	0	18	12	57	4	6	1	0	1	369
244	912	0	4	37	14	16	8	18	2	1	0	159
245 VARGAS ISLAND	890	0	1	37	11	41	5	4	1	0	0	266
245	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
252 NOOTKA SOUND	889	0	2	15	61	8	9	5	0	0	0	186
252	890	0	0	25	12	51	3	6	2	1	0	180
252	901	0	10	30	19	10	26	3	3	1	0	2084
252	912	0	3	81	7	4	1	3	1	0	0	382
252	923	0	6	33	51	5	3	0	2	0	0	264
253 E\$PERANZA INLET	889	0	1	17	46	8	12	14	1	1	0	557
253	890	0	1	30	13	33	6	10	7	1	0	361
253	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
261 OTHER AREA 26	889	0	0	42	30	8	7	13	1	0	0	91
261	890	51	49	0	0	0	0	0	0	0	0	65
261	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 CHECLESSET BAY	912	0	2	57	8	6	4	18	3	1	1	97
272 BROOKS BAY	889	0	0	8	52	11	11	15	2	1	0	286
272	890	0	1	14	12	42	8	10	12	1	0	467
272	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
273 FORWARD INLET	889	0	1	20	66	4	4	5	1	0	0	180
273	890	0	3	31	16	38	4	4	4	0	0	459
273	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
291 OTHER AREA 29	923	0	6	38	29	5	14	2	5	0	0	95

Table 7. Summary of 1993 roe herring fisheries.

Region	Gear	Management Areas	Date	Gear Count	Quota	Hailed Catch (tons)	Percent Diff.
Queen Charlotte Islands	SN	2-92,93 to 96	28/03/93	17	1000	60	+ 1 %
	SN	2-76	29/03/93	"		600	
	SN	2-76	30/03/93	"		140	
	SN	2-54,55	31/03/93	"		165	
	SN	2-54,55	01/04/93	"		50	
	SN	2-15,16	25/03/93	37	2347	2455	+ 5 %
Prince Rupert District	GN	4-5 to 9,14	31/03/93	263	4009	4155	+ 3 %
	SN	5-4,5,8,9	01/04/93	18	2000	2000	0 %
Central Coast	SN	7-12 to 14	24/03/93	85	6999	4840	+ 24 %
	SN	7-12,13	25/03/93	"		3815	
	GN	7-8,9,12,13,18 to 21,	28/03/93	135	1601	1089	+ 25 %
	GN	32	29/03/93	"		918	
		7-8,9,12,13,18 to 22, 32					
Strait of Georgia	SN	14-8,15	02/03/93	32	3000	4383	+ 46 %
S = single license	GN-S	14-9,10	06/03/93	264	2198	3050	+ 39 %
D = double license	GN-D	14-7 TO 11,13	07/03/93	297	6902	6898	0 %
West Coast Vancouver Island	SN	23-9 to 11	07/03/93	50	3000	5775	+ 93 %
	GN	27-3	10/03/93	20	300	369	+ 23 %

Table 8 Trawl Research Sample Summaries by Section

SECTION: 21 - JUAN PEREZ SOUND
 SAMPLE NUMBERS: 3
 SOURCE: RESEARCH - INSHORE
 GEAR: HERRING TRAWL
 DATE: DEC 6/92

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	2	5	47	7	7	10	5	1	0	16	100
% AT AGE	0.00	2.38	5.95	55.95	8.33	8.33	11.90	5.95	1.19	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	166.00	187.60	198.81	199.43	212.14	219.40	217.60	204.00	0.00	207.13	202.95
- STD. DEV.	0.00	4.24	5.90	9.13	7.28	3.18	10.49	1.67	0.00	0.00	10.96	12.96
WEIGHT - MEAN(gm)	0.00	63.50	98.00	115.21	119.86	144.00	155.70	160.80	128.00	0.00	132.31	124.85
- STD. DEV.	0.00	9.19	11.90	16.60	17.28	12.70	17.53	10.80	0.00	0.00	23.24	25.13

1
23
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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	26	74	0	0	0	0	0	
% AT STAGE	0.00	0.00	26.00	74.00	0.00	0.00	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

					SEX RATIO:				
	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL
NO.	53	0	0	53					
%	100.00	0.00	0.00	100.00					
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00					
					NO.	47	53	0	100
					%	47.00	53.00	0.00	100.00
					MEAN WEIGHT	125.60	124.19	0.00	124.85
					% SAMP. WT.	47.28	52.72	0.00	100.00

Table 8 (cont'd) Trawl Research Sample Summaries by Section

SECTION: 24 - LASKEEK BAY

SAMPLE NUMBERS: 4

SOURCE: RESEARCH - INSHORE

GEAR: HERRING TRAWL

DATE: DEC 7/92

SPECIMENS AT EACH AGE:

AGE

	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	3	55	3	4	10	7	3	1	13	100
% AT AGE	0.00	1.15	3.45	63.22	3.45	4.60	11.49	8.05	3.45	1.15	0.00	100.00
LENGTH - MEAN(mm)	0.00	177.00	190.33	199.98	208.67	213.50	217.00	221.86	226.00	257.00	210.85	206.26
- STD. DEV.	0.00	0.00	4.04	6.22	5.13	9.29	7.79	7.20	6.08	0.00	12.44	12.76
WEIGHT - MEAN(gm)	0.00	72.00	97.67	117.60	134.00	142.50	148.10	164.43	166.67	231.00	139.69	129.84
- STD. DEV.	0.00	0.00	13.05	12.69	8.19	17.99	13.45	7.74	23.25	0.00	22.82	25.05

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HJORT MATURITY STAGES:

MATURITY STAGE

	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	29	71	0	0	0	0	0
% AT STAGE	0.00	0.00	29.00	71.00	0.00	0.00	0.00	0.00	0.00

1

ROE MATURITY (FEMALE):

SEX RATIO:

	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL
NO.	60	0	0	60	NO.	40	60	0	100
%	100.00	0.00	0.00	100.00	%	40.00	60.00	0.00	100.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00	MEAN WEIGHT	126.60	132.00	0.00	129.84
					% SAMP. WT.	39.00	61.00	0.00	100.00

Table 8 (cont'd); Trawl Research Sample Summaries by Section

SECTION: 51 - OTHER AREA 5
 SAMPLE NUMBERS: 2, 1
 SOURCE: RESEARCH - INSHORE
 GEAR: HERRING TRAWL
 DATE: DEC 3/92 - DEC 5/92

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	12	58	57	41	5	7	2	0	0	18	200
% AT AGE	0.00	6.59	31.87	31.32	22.53	2.75	3.85	1.10	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	154.00	176.81	185.49	194.12	210.20	201.71	229.50	0.00	0.00	186.83	184.60
- STD. DEV.	0.00	4.20	8.22	8.86	12.99	4.02	17.06	4.95	0.00	0.00	16.34	15.78
WEIGHT - MEAN(gm)	0.00	48.08	78.03	92.46	106.27	141.80	118.57	182.00	0.00	0.00	95.39	91.75
- STD. DEV.	0.00	7.81	11.98	15.12	24.05	11.90	34.38	8.49	0.00	0.00	25.25	26.52

25

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	8	40	50	101	1	0	0	0	0
% AT STAGE	4.00	20.00	25.00	50.50	0.50	0.00	0.00	0.00	0.00

1

ROE MATURITY (FEMALE):

						SEX RATIO:				
	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL	
NO.	98	0	0	98		100	98	2	200	
%	100.00	0.00	0.00	100.00		50.00	49.00	1.00	100.00	
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00		MEAN WEIGHT	89.94	94.50	47.50	91.75
						% SAMP. WT.	49.01	50.47	0.52	100.00

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Table 8 (cont'd) Trawl Research Sample Summaries by Section

SECTION: 219 - OFFSHORE AREA 21

SAMPLE NUMBERS: 24, 11

SOURCE: RESEARCH - OFFSHORE

GEAR: HERRING TRAWL

DATE: JUL 30/92

SPECIMENS AT EACH AGE:

AGE

	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	8	29	67	21	20	3	2	0	0	50	200
% AT AGE	0.00	5.33	19.33	44.67	14.00	13.33	2.00	1.33	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	144.88	180.24	192.36	201.10	211.10	219.67	224.00	0.00	0.00	175.02	187.88
- STD. DEV.	0.00	6.40	11.03	10.81	10.90	12.20	11.02	0.00	0.00	0.00	25.09	21.72
WEIGHT - MEAN(gm)	0.00	36.75	84.62	103.66	122.52	134.75	154.67	154.00	0.00	0.00	80.90	98.89
- STD. DEV.	0.00	7.52	16.24	19.40	19.37	20.76	18.56	8.49	0.00	0.00	35.36	33.07

HJORT Maturity Stages:

MATURITY STAGE

ROE Maturity (Female):

SEX RATIO:

	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL
NO.	79	0	0	79	NO.	82	79	39	200
%	100.00	0.00	0.00	100.00	%	41.00	39.50	19.50	100.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00	MEAN WEIGHT	110.77	104.84	61.87	98.89
					% SAMP. WT.	45.92	41.87	12.20	100.00

Table 8 (cont'd) Trawl Research Sample Summaries by Section

SECTION: 233 - IMPERIAL EAGLE CH.

SAMPLE NUMBERS: 17

SOURCE: RESEARCH - INSHORE

GEAR: HERRING TRAWL

DATE: AUG 7/92

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	43	1	0	0	1	0	1	0	0	54	100
% AT AGE	0.00	93.48	2.17	0.00	0.00	2.17	0.00	2.17	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	130.95	163.00	0.00	0.00	230.00	0.00	226.00	0.00	0.00	128.93	132.12
- STD. DEV.	0.00	6.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.66	15.93
WEIGHT - MEAN(gm)	0.00	30.58	55.00	0.00	0.00	184.00	0.00	170.00	0.00	0.00	29.33	33.08
- STD. DEV.	0.00	7.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.97	21.97

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HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	20	76	2	0	0	0	0	0	2
% AT STAGE	20.00	76.00	2.00	0.00	0.00	0.00	0.00	0.00	2.00

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ROE MATURITY (FEMALE):

					SEX RATIO:							
	IMMATURE	MATURE	SPENT	TOTAL					MALE	FEMALE	IMMATURE	TOTAL
NO.	25	0	0	25					13	25	62	100
%	100.00	0.00	0.00	100.00					13.00	25.00	62.00	100.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00								
					MEAN WEIGHT				46.23	38.88	27.98	33.08
					% SAMP. WT.				18.17	29.38	52.45	100.00

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Table 8 (cont'd) Trawl Research Sample Summaries by Section

SECTION: 239 - OFFSHORE AREA 23
 SAMPLE NUMBERS: 22, 13, 14, 5, 7, 6, 18, 26, 10
 SOURCE: RESEARCH - OFFSHORE
 GEAR: HERRING TRAWL
 DATE: AUG 2/92 - AUG 6/92

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	219	75	138	41	56	25	51	10	6	277	898
% AT AGE	0.00	35.27	12.08	22.22	6.60	9.02	4.03	8.21	1.61	0.97	0.00	100.00
LENGTH - MEAN(mm)	0.00	134.94	179.03	196.62	203.46	216.27	221.16	228.33	235.10	234.17	172.86	177.48
- STD. DEV.	0.00	8.55	13.93	10.04	11.33	8.44	10.54	10.99	12.87	8.33	38.46	37.62
WEIGHT - MEAN(gm)	0.00	33.00	81.75	108.25	121.85	151.54	155.36	172.20	184.80	175.50	80.71	88.76
- STD. DEV.	0.00	6.50	19.31	17.61	21.77	20.77	17.02	20.91	21.25	10.99	52.74	53.29

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	98	689	78	0	13	0	0	0	20	
% AT STAGE	10.91	76.73	8.69	0.00	1.45	0.00	0.00	0.00	2.23	

ROE MATURITY (FEMALE):

	SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL	
	IMMATURE	MATURE	SPENT	TOTAL					
NO.	320	9	0	329	NO.	295	329	274	898
%	97.26	2.74	0.00	100.00	%	32.85	36.64	30.51	100.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00	MEAN WEIGHT	108.90	105.74	46.68	88.76
					% SAMP. WT.	40.31	43.65	16.05	100.00

Table 9 Seine Research Sample Summaries by Section

AREA: 13 - QUATHIASKI
 SAMPLE NUMBERS: 378
 SOURCE: RESEARCH - INSHORE
 GEAR: HERRING SEINE
 DATE: JUN 22/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	34	0	0	0	0	0	0	0	0	0	0	34
% AT AGE	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	112.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.29
- STD. DEV.	5.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.31
WEIGHT - MEAN(gm)	17.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.79
- STD. DEV.	2.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.61

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	0	0	0	0	0	34	
% AT STAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	

ROE MATURITY (FEMALE):

					SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
	IMMATURE	MATURE	SPENT	TOTAL	NO.	%				
NO.	0	0	0	0			0	0	34	34
%	0.00	0.00	0.00	0.00			0.00	0.00	100.00	100.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00			0.00	0.00	17.79	17.79
					MEAN WEIGHT		0.00	0.00	100.00	100.00
					% SAMP. WT.		0.00	0.00	100.00	100.00

Table 10 Food Fishery Sample Summaries by Section

SECTION: 172 - NANOOSE BAY
 SAMPLE NUMBERS: 8
 SOURCE: FOOD FISHERY
 GEAR: HERRING SEINE
 DATE: NOV 16/92

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	9	27	43	5	4	1	1	0	0	10	100
% AT AGE	0.00	10.00	30.00	47.78	5.56	4.44	1.11	1.11	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	167.67	192.67	201.28	204.60	209.25	225.00	216.00	0.00	0.00	199.40	196.61
- STD. DEV.	0.00	11.72	9.53	8.82	11.33	11.32	0.00	0.00	0.00	0.00	10.84	14.14
WEIGHT - MEAN(gm)	0.00	67.44	108.74	123.37	128.80	142.25	184.00	134.00	0.00	0.00	117.80	115.57
- STD. DEV.	0.00	13.06	24.13	17.44	31.06	20.55	0.00	0.00	0.00	0.00	20.61	26.92

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	47	52	1	0	0	0	0	
% AT STAGE	0.00	0.00	47.00	52.00	1.00	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.	%	MEAN WEIGHT	% SAMP. WT.				
NO.	50	0	0	50					50	50	0	100
%	100.00	0.00	0.00	100.00					50.00	50.00	0.00	100.00
% SAMPLE WEIGHT	6.71	0.00	0.00	6.71								

1

Table 10 (cont'd) Food Fishery Sample Summaries by Section

SECTION: 173 - YELLOW POINT
 SAMPLE NUMBERS: 21, 12, 15, 19, 16, 25, 27, 9, 23, 20
 SOURCE: FOOD FISHERY
 GEAR: HERRING SEINE
 DATE: NOV 9/92 - DEC 5/92

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	243	275	273	62	22	2	5	1	0	117	1000
% AT AGE	0.00	27.52	31.14	30.92	7.02	2.49	0.23	0.57	0.11	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	151.46	185.72	198.07	204.50	213.77	215.50	221.00	224.00	0.00	181.55	182.33
- STD. DEV.	0.00	13.36	12.01	10.07	9.21	8.62	16.26	7.25	0.00	0.00	23.11	23.37
WEIGHT - MEAN(gm)	0.00	51.60	98.46	121.39	134.71	155.32	158.50	171.80	178.00	0.00	94.92	96.98
- STD. DEV.	0.00	15.78	18.53	18.50	19.77	16.13	40.31	16.25	0.00	0.00	32.79	35.71

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	20	95	261	613	10	0	0	0	1	
% AT STAGE	2.00	9.50	26.10	61.30	1.00	0.00	0.00	0.00	0.10	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
					NO.	%				
NO.	441	1	0	442			498	442	60	1000
%	99.77	0.23	0.00	100.00			49.80	44.20	6.00	100.00
% SAMPLE WEIGHT	6.46	0.00	0.00	6.46			99.23	102.35	38.75	96.98
					MEAN WEIGHT					
					% SAMP. WT.		50.96	46.65	2.40	100.00

Table 11 Seine Roe Fishery Sample Summaries by Section

SECTION: 2 - PORT LOUIS
 SAMPLE NUMBERS: 265,255
 SOURCE: ROE FISHERY
 GEAR: HERRING SEINE
 DATE: MAR 28/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	30	22	28	8	4	81	7	0	18	199
% AT AGE	0.00	0.55	16.57	12.15	15.47	4.42	2.21	44.75	3.87	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	176.00	191.57	203.68	210.36	218.88	234.75	232.41	234.71	0.00	209.67	217.22
- STD. DEV.	0.00	0.00	9.01	12.23	8.25	9.40	11.90	7.69	5.44	0.00	23.97	19.19
WEIGHT - MEAN(gm)	0.00	85.00	97.67	125.68	134.64	160.88	171.00	168.23	164.86	0.00	137.00	144.56
- STD. DEV.	0.00	0.00	18.37	26.97	21.08	33.27	18.06	25.77	19.59	0.00	54.19	37.97

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	3	63	44	89	0	0	
% AT STAGE	0.00	0.00	0.00	1.51	31.66	22.11	44.72	0.00	0.00	

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ROE MATURITY (FEMALE):

					SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL
	IMMATURE	MATURE	SPENT	TOTAL	NO.	%	MEAN WEIGHT	% SAMP. WT.				
NO.	0	54	24	78					118	78	3	199
%	0.00	69.23	30.77	100.00					59.30	39.20	1.51	100.00
% SAMPLE WEIGHT	0.00	21.79	0.00	21.79								

MEAN WEIGHT 138.69 152.68 164.33 144.56
 % SAMP. WT. 56.89 41.40 1.71 100.00

Table 11 (cont'd) Seine Roe Fishery Sample Summaries by Section

SECTION: 3 - RENNELL SOUND
 SAMPLE NUMBERS: 231,258,261,283,228,240
 SOURCE: ROE FISHERY
 GEAR: HERRING SEINE
 DATE: MAR 29/93 - MAR 30/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	4	36	59	61	15	17	289	57	6	56	600
% AT AGE	0.00	0.74	6.62	10.85	11.21	2.76	3.13	53.13	10.48	1.10	0.00	100.00
LENGTH - MEAN(mm)	0.00	177.50	195.64	210.61	219.49	224.73	232.76	235.91	235.91	236.83	220.30	227.13
- STD. DEV.	0.00	1.73	7.35	8.44	7.12	7.04	11.86	9.14	8.91	10.23	19.77	16.26
WEIGHT - MEAN(gm)	0.00	70.75	108.67	142.20	162.26	172.53	193.24	199.99	204.58	197.17	167.41	180.62
- STD. DEV.	0.00	4.86	14.92	24.82	23.04	14.50	33.49	27.90	25.77	22.32	46.00	40.35

HJORT MATURITY STAGES:

	MATURITY STAGE								UNKNOWN	
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	1	1	439	153	6	0	0	
% AT STAGE	0.00	0.00	0.17	0.17	73.17	25.50	1.00	0.00	0.00	

ROE MATURITY (FEMALE):

					SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL
	IMMATURE	MATURE	SPENT	TOTAL	NO.	%	NO.	%				
NO.	1	339	2	342					257	342	1	600
%	0.29	99.12	0.58	100.00					42.83	57.00	0.17	100.00
% SAMPLE WEIGHT	0.04	30.93	0.00	30.96					164.77	192.55	175.00	180.62
					MEAN WEIGHT				39.07	60.76	0.16	100.00
					% SAMP. WT.							

Table 11 (cont'd) Seine Roe Fishery Sample Summaries by Section

SECTION: 5 - ENGLEFIELD BAY
 SAMPLE NUMBERS: 229,268,272
 SOURCE: ROE FISHERY
 GEAR: HERRING SEINE
 DATE: MAR 31/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	11	47	28	4	16	117	8	3	66	300
% AT AGE	0.00	0.00	4.70	20.09	11.97	1.71	6.84	50.00	3.42	1.28	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	191.18	205.74	213.71	222.50	226.44	230.32	230.88	237.67	209.58	218.70
- STD. DEV.	0.00	0.00	5.65	9.94	8.78	10.25	10.95	7.78	4.64	5.13	16.91	15.98
WEIGHT - MEAN(gm)	0.00	0.00	102.27	125.85	139.00	164.00	168.06	181.62	174.63	191.67	136.55	155.03
- STD. DEV.	0.00	0.00	12.43	20.19	16.44	12.73	16.41	20.60	13.24	6.51	35.74	34.65

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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	216	84	0	0	0	
% AT STAGE	0.00	0.00	0.00	0.00	72.00	28.00	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL	
	IMMATURE	MATURE	SPENT	TOTAL					
NO.	0	161	0	161	NO.	139	161	0	300
%	0.00	100.00	0.00	100.00	%	46.33	53.67	0.00	100.00
% SAMPLE WEIGHT	0.00	28.87	0.00	28.87	MEAN WEIGHT	151.96	157.69	0.00	155.03
					% SAMP. WT.	45.41	54.59	0.00	100.00

Table 11 (cont'd) Seine Roe Fishery Sample Summaries by Section

SECTION: 25 - SKINCUTTLE INLET
 SAMPLE NUMBERS: 279,269,260,264,270,266,285,259,232,275
 SOURCE: ROE FISHERY
 GEAR: HERRING SEINE
 DATE: MAR 25/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	12	668	44	38	83	77	6	5	66	1000
% AT AGE	0.00	0.11	1.28	71.52	4.71	4.07	8.89	8.24	0.64	0.54	0.00	100.00
LENGTH - MEAN(mm)	0.00	167.00	187.58	197.35	201.20	210.61	214.63	219.05	229.83	231.00	203.85	201.77
- STD. DEV.	0.00	0.00	6.04	7.54	6.70	7.76	9.06	9.54	13.50	13.32	12.74	11.58
WEIGHT - MEAN(gm)	0.00	71.00	93.00	112.99	122.20	137.34	143.78	153.32	171.50	169.60	127.08	121.26
- STD. DEV.	0.00	0.00	10.22	13.86	16.51	14.53	16.77	21.20	19.40	26.75	26.29	21.78

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	12	643	332	13	0	0	
% AT STAGE	0.00	0.00	0.00	1.20	64.30	33.20	1.30	0.00	0.00	

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ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
					NO.	%				
NO.	3	514	4	521			479	521	0	1000
%	0.58	98.66	0.77	100.00			47.90	52.10	0.00	100.00
% SAMPLE WEIGHT	0.13	27.71	0.00	27.84						
					MEAN WEIGHT		117.30	124.91	0.00	121.26
					% SAMP. WT.		46.33	53.67	0.00	100.00

Table 11 (cont'd) Seine Roe Fishery Sample Summaries by Section

SECTION: 52 - KITKATLA INLET
 SAMPLE NUMBERS: 244, 252, 313, 287, 262, 276, 253, 317, 282, 280, 277
 SOURCE: ROE FISHERY
 GEAR: HERRING SEINE
 DATE: APR 1/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	51	546	230	52	54	57	17	4	89	1100
% AT AGE	0.00	0.00	5.04	54.01	22.75	5.14	5.34	5.64	1.68	0.40	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	180.29	190.66	199.02	209.29	214.11	213.72	223.29	231.50	196.17	196.25
- STD. DEV.	0.00	0.00	6.48	9.53	9.36	9.01	9.01	10.30	7.30	9.04	10.91	13.16
WEIGHT - MEAN(gm)	0.00	0.00	78.65	97.98	111.05	126.96	137.13	137.58	146.76	156.25	106.31	106.80
- STD. DEV.	0.00	0.00	9.97	16.18	16.03	19.35	22.96	21.74	18.67	15.22	21.45	22.88

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	1	12	753	316	18	0	0	
% AT STAGE	0.00	0.00	0.09	1.09	68.45	28.73	1.64	0.00	0.00	

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ROE MATURITY (FEMALE):

	SEX RATIO:								
	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL
NO.	8	540	8	556	NO.	544	556	0	1100
%	1.44	97.12	1.44	100.00	%	49.45	50.55	0.00	100.00
% SAMPLE WEIGHT	0.28	27.31	0.00	27.59	MEAN WEIGHT	101.17	112.31	0.00	106.80
					% SAMP. WT.	46.85	53.15	0.00	100.00

Table 11 (cont'd) Seine Roe Fishery Sample Summaries by Section

SECTION: 72 - POWELL ANCHORAGE
 SAMPLE NUMBERS: 263, 271, 273, 284, 248, 233, 286, 239, 251, 249, 234
 SOURCE: ROE FISHERY
 GEAR: HERRING SEINE
 DATE: MAR 24/93 - MAR 25/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	12	60	677	108	26	37	98	14	1	67	1100
% AT AGE	0.00	1.16	5.81	65.54	10.45	2.52	3.58	9.49	1.36	0.10	0.00	100.00
LENGTH - MEAN(mm)	0.00	157.25	184.17	193.70	200.93	213.00	214.22	220.52	225.07	212.00	196.22	197.60
- STD. DEV.	0.00	10.36	9.41	10.36	10.38	10.08	12.36	9.71	14.46	0.00	18.32	15.18
WEIGHT - MEAN(gm)	0.00	54.33	92.32	106.95	122.17	141.69	140.92	160.53	169.50	144.00	113.90	115.06
- STD. DEV.	0.00	12.23	15.98	19.07	20.93	21.18	28.07	23.76	37.28	0.00	35.24	28.89

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HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	9	823	266	2	0	0
% AT STAGE	0.00	0.00	0.00	0.82	74.82	24.18	0.18	0.00	0.00

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ROE MATURITY (FEMALE):

					SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL	
	IMMATURE	MATURE	SPENT	TOTAL	NO.	%					
NO.	8	508	0	516			584	516	0	1100	
%	1.55	98.45	0.00	100.00			53.09	46.91	0.00	100.00	
% SAMPLE WEIGHT	0.36	29.33	0.00	29.68			MEAN WEIGHT	105.24	126.18	0.00	115.06
							% SAMP. WT.	48.56	51.44	0.00	100.00

Table 11 (cont'd) Seine Roe Fishery Sample Summaries by Section

SECTION: 74 - THOMPSON BAY
 SAMPLE NUMBERS: 281
 SOURCE: ROE FISHERY
 GEAR: HERRING SEINE
 DATE: MAR 24/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	2	5	52	6	5	1	16	4	1	8	100
% AT AGE	0.00	2.17	5.43	56.52	6.52	5.43	1.09	17.39	4.35	1.09	0.00	100.00
LENGTH - MEAN(mm)	0.00	157.00	173.40	196.54	196.67	212.40	204.00	221.38	226.50	227.00	205.25	201.64
- STD. DEV.	0.00	4.24	14.01	10.25	10.29	6.58	0.00	10.22	10.97	0.00	17.94	17.57
WEIGHT - MEAN(gm)	0.00	52.50	76.80	107.17	107.33	122.40	117.00	158.63	167.00	162.00	127.63	118.24
- STD. DEV.	0.00	0.71	17.56	18.63	22.13	9.86	0.00	24.93	22.73	0.00	34.69	32.36

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	3	65	31	1	0	0	
% AT STAGE	0.00	0.00	0.00	3.00	65.00	31.00	1.00	0.00	0.00	

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ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL	
					NO.	%					
NO.	0	42	0	42			58	42	0	100	
%	0.00	100.00	0.00	100.00			58.00	42.00	0.00	100.00	
% SAMPLE WEIGHT	0.00	29.31	0.00	29.31			MEAN WEIGHT	108.81	131.26	0.00	118.24
							% SAMP. WT.	53.37	46.63	0.00	100.00

Table 11 (cont'd) Seine Roe Fishery Sample Summaries by Section

SECTION: 78 - DON PENINSULA

SAMPLE NUMBERS: 274,241

SOURCE: ROE FISHERY

GEAR: HERRING SEINE

DATE: MAR 24/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	15	105	23	7	4	33	3	2	7	200
% AT AGE	0.00	0.52	7.77	54.40	11.92	3.63	2.07	17.10	1.55	1.04	0.00	100.00
LENGTH - MEAN(mm)	0.00	146.00	187.60	193.83	200.83	209.71	213.50	219.85	224.67	240.50	197.43	200.23
- STD. DEV.	0.00	0.00	11.84	10.94	9.63	9.60	3.11	11.23	12.10	19.09	9.83	16.02
WEIGHT - MEAN(gm)	0.00	48.00	95.20	106.64	120.78	134.43	157.25	155.85	177.67	201.50	120.71	119.72
- STD. DEV.	0.00	0.00	18.12	18.74	19.28	27.34	6.99	26.43	13.05	16.26	26.64	30.65

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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	147	52	0	0	0	
% AT STAGE	0.00	0.00	0.00	0.50	73.50	26.00	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

					SEX RATIO:					
	IMMATURE	MATURE	SPENT	TOTAL						
NO.	1	100	0	101						
%	0.99	99.01	0.00	100.00						
% SAMPLE WEIGHT	0.17	29.53	0.00	29.70						
					NO.		99	101	0	200
					%		49.50	50.50	0.00	100.00
					MEAN WEIGHT		111.46	127.82	0.00	119.72
					% SAMP. WT.		46.08	53.92	0.00	100.00

Table 11 (cont'd) Seine Roe Fishery Sample Summaries by Section

SECTION: 142 - BAYNES SOUND
 SAMPLE NUMBERS: 46, 48, 53, 56, 45, 50, 58, 41, 52, 59
 SOURCE: ROE FISHERY
 GEAR: HERRING SEINE
 DATE: MAR 2/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	55	341	335	75	52	17	12	0	0	111	998
% AT AGE	0.00	6.20	38.44	37.77	8.46	5.86	1.92	1.35	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	171.64	190.08	200.11	207.99	213.77	221.06	222.00	0.00	0.00	192.24	196.16
- STD. DEV.	0.00	9.42	10.18	9.53	9.67	8.62	10.75	8.95	0.00	0.00	16.08	14.52
WEIGHT - MEAN(gm)	0.00	66.64	93.75	112.69	128.92	141.85	150.53	157.08	0.00	0.00	97.92	105.95
- STD. DEV.	0.00	11.63	17.57	18.40	20.28	19.30	18.69	21.65	0.00	0.00	26.55	26.36

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	1	0	109	807	81	0	0	0	
% AT STAGE	0.00	0.10	0.00	10.92	80.86	8.12	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

						SEX RATIO:				
	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL	
NO.	20	483	0	503		NO.	495	503	0	998
%	3.98	96.02	0.00	100.00		%	49.60	50.40	0.00	100.00
% SAMPLE WEIGHT	0.75	26.30	0.00	27.05		MEAN WEIGHT	99.72	112.09	0.00	105.95
						% SAMP. WT.	46.68	53.32	0.00	100.00

Table 11 (cont'd) Seine Roe Fishery Sample Summaries by Section

SECTION: 232 - MACOAH PASS
 SAMPLE NUMBERS: 42, 75, 49, 72, 44, 55, 250, 43, 47, 31
 SOURCE: ROE FISHERY
 GEAR: HERRING SEINE
 DATE: MAR 7/93

SPECIMENS AT EACH AGE:

	AGE												
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL	
NO. AT AGE	0	28	207	314	51	74	31	95	16	13	171	1000	
% AT AGE	0.00	3.38	24.97	37.88	6.15	8.93	3.74	11.46	1.93	1.57	0.00	100.00	
LENGTH - MEAN(mm)	0.00	170.82	188.18	201.03	211.88	220.31	226.42	229.61	234.38	238.62	198.33	203.57	
- STD. DEV.	0.00	11.33	8.40	9.57	10.59	9.57	7.02	9.65	7.60	8.08	20.03	19.01	
WEIGHT - MEAN(gm)	0.00	69.29	96.22	118.11	142.76	159.19	168.39	173.95	184.00	199.85	116.02	125.13	
- STD. DEV.	0.00	14.63	15.25	19.03	22.58	25.09	24.64	23.72	25.91	25.13	35.57	36.71	

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	3	0	1	77	798	115	6	0	0	
% AT STAGE	0.30	0.00	0.10	7.70	79.80	11.50	0.60	0.00	0.00	

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ROE MATURITY (FEMALE):

	SEX RATIO:				
	IMMATURE	MATURE	SPENT	TOTAL	
NO.	8	565	1	574	
%	1.39	98.43	0.17	100.00	
% SAMPLE WEIGHT	0.24	27.70	0.00	27.94	
					NO.
					424
					574
					2
					1000
					%
					42.40
					57.40
					0.20
					100.00
					MEAN WEIGHT
					114.55
					132.81
					164.50
					125.13
					% SAMP. WT.
					38.81
					60.92
					0.26
					100.00

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Table 12 Gillnet Roe Fishery Sample Summaries by Section

SECTION: 42 - AREA 4 NORTH
 SAMPLE NUMBERS: 242,243,339,346,349,342,246,247,245
 SOURCE: ROE FISHERY
 GEAR: GILLNET
 DATE: MAR 31/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	0	62	302	71	138	99	61	12	155	900
% AT AGE	0.00	0.00	0.00	8.32	40.54	9.53	18.52	13.29	8.19	1.61	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	0.00	202.26	207.53	211.38	215.36	221.41	222.34	228.00	212.53	212.33
- STD. DEV.	0.00	0.00	0.00	8.20	7.83	8.84	8.40	9.10	9.26	9.64	9.93	10.50
WEIGHT - MEAN(gm)	0.00	0.00	0.00	118.73	126.31	132.51	138.38	148.57	151.84	161.50	135.19	134.30
- STD. DEV.	0.00	0.00	0.00	12.57	14.53	16.45	15.58	19.97	17.14	17.73	16.08	18.57

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	24	676	190	10	0	0	
% AT STAGE	0.00	0.00	0.00	2.67	75.11	21.11	1.11	0.00	0.00	

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ROE MATURITY (FEMALE):

					SEX RATIO:				
	IMMATURE	MATURE	SPENT	TOTAL					
NO.	4	447	4	455					
%	0.88	98.24	0.88	100.00					
% SAMPLE WEIGHT	0.19	28.37	0.00	28.56					
					NO.	445	455	0	900
					%	49.44	50.56	0.00	100.00
					MEAN WEIGHT	131.41	137.14	0.00	134.30
					% SAMP. WT.	48.38	51.62	0.00	100.00

Table 12 (cont'd) Gillnet Roe Fishery Sample Summaries by Section

SECTION: 72 - POWELL ANCHORAGE
 SAMPLE NUMBERS: 236,237,362
 SOURCE: ROE FISHERY
 GEAR: GILLNET
 DATE: MAR 28/93 - MAR 29/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	1	91	36	15	13	76	3	5	60	300
% AT AGE	0.00	0.00	0.42	37.92	15.00	6.25	5.42	31.67	1.25	2.08	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	200.00	203.78	206.75	213.60	217.54	219.92	233.33	229.00	209.03	211.07
- STD. DEV.	0.00	0.00	0.00	6.61	9.75	9.16	11.67	9.31	1.16	10.65	9.81	11.31
WEIGHT - MEAN(gm)	0.00	0.00	109.00	125.55	130.53	143.00	150.85	154.34	171.00	167.00	135.22	138.43
- STD. DEV.	0.00	0.00	0.00	12.91	16.70	13.24	26.53	23.83	26.29	25.74	16.93	22.16

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HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	7	249	44	0	0	0
% AT STAGE	0.00	0.00	0.00	2.33	83.00	14.67	0.00	0.00	0.00

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ROE MATURITY (FEMALE):

	SEX RATIO:				
	IMMATURE	MATURE	SPENT	TOTAL	
NO.	2	175	0	177	
%	1.13	98.87	0.00	100.00	
% SAMPLE WEIGHT	0.26	28.79	0.00	29.05	
					NO.
					%
					123
					59.00
					0.00
					100.00
					MEAN WEIGHT
					133.89
					141.59
					0.00
					138.43
					% SAMP. WT.
					39.66
					60.34
					0.00
					100.00

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Table 12 (cont'd) Gillnet Roe Fishery Sample Summaries by Section

SECTION: 74 - THOMPSON BAY
 SAMPLE NUMBERS: 230,377,368,361,267,238,235
 SOURCE: ROE FISHERY
 GEAR: GILLNET
 DATE: MAR 28/93 - MAR 29/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	1	251	76	29	32	135	14	3	159	700
% AT AGE	0.00	0.00	0.18	46.40	14.05	5.36	5.91	24.95	2.59	0.55	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	205.00	202.45	207.09	209.66	218.66	218.97	222.36	231.00	208.25	209.02
- STD. DEV.	0.00	0.00	0.00	7.31	8.55	10.35	8.35	11.41	6.74	7.81	9.83	11.29
WEIGHT - MEAN(gm)	0.00	0.00	108.00	126.63	135.51	141.72	154.97	156.04	160.86	165.67	133.82	137.64
- STD. DEV.	0.00	0.00	0.00	11.89	14.48	20.97	20.98	26.55	23.18	15.18	16.30	21.42

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	7	555	132	6	0	0	
% AT STAGE	0.00	0.00	0.00	1.00	79.29	18.86	0.86	0.00	0.00	

ROE MATURITY (FEMALE):

					SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL
	IMMATURE	MATURE	SPENT	TOTAL	NO.	%	MEAN WEIGHT	% SAMP. WT.				
NO.	0	455	2	457					243	457	0	700
%	0.00	99.56	0.44	100.00					34.71	65.29	0.00	100.00
% SAMPLE WEIGHT	0.00	29.47	0.00	29.47								

NO. 243
% 34.71
MEAN WEIGHT 132.71
% SAMP. WT. 33.47

FEMALE 65.29
0.00 100.00

0.00 137.64

0.00 100.00

Table 12 (cont'd) Gillnet Roe Fishery Sample Summaries by Section

SECTION: 142 - BAYNES SOUND
 SAMPLE NUMBERS: 74, 54, 57, 35, 71,257, 73,308, 51,256, 32,254
 SOURCE: ROE FISHERY
 GEAR: GILLNET
 DATE: MAR 6/93 - MAR 7/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	104	363	154	196	37	49	2	2	293	1200
% AT AGE	0.00	0.00	11.47	40.02	16.98	21.61	4.08	5.40	0.22	0.22	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	202.63	208.68	211.79	217.03	222.30	224.92	240.50	227.50	210.86	211.62
- STD. DEV.	0.00	0.00	5.81	7.31	7.78	7.96	8.43	10.52	6.36	10.61	9.12	9.55
WEIGHT - MEAN(gm)	0.00	0.00	123.92	131.68	137.63	147.49	155.14	160.63	170.50	166.50	135.45	137.30
- STD. DEV.	0.00	0.00	9.60	13.25	15.13	17.01	18.85	20.35	10.61	44.55	14.96	17.29

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HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	1	16	961	215	7	0	0
% AT STAGE	0.00	0.00	0.08	1.33	80.08	17.92	0.58	0.00	0.00

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ROE MATURITY (FEMALE):

	IMMATURE				SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL
	IMMATURE	MATURE	SPENT	TOTAL	NO.	%						
NO.	2	719	3	724					476	724	0	1200
%	0.28	99.31	0.41	100.00					39.67	60.33	0.00	100.00
% SAMPLE WEIGHT	0.06	27.92	0.00	27.98					135.95	138.19	0.00	137.30
					MEAN WEIGHT				39.28	60.72	0.00	100.00
					% SAMP. WT.							

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Table 12 (cont'd) Gillnet Roe Fishery Sample Summaries by Section

SECTION: 273 - FORWARD INLET
 SAMPLE NUMBERS: 37, 39, 38, 40, 33, 36, 34
 SOURCE: ROE FISHERY
 GEAR: GILLNET
 DATE: MAR 10/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	17	276	73	41	39	60	5	7	182	700
% AT AGE	0.00	0.00	3.28	53.28	14.09	7.92	7.53	11.58	0.97	1.35	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	197.76	206.71	213.92	222.34	230.79	234.65	238.00	239.71	209.76	213.24
- STD. DEV.	0.00	0.00	6.27	7.33	8.88	9.11	8.66	7.59	6.60	6.80	10.20	13.05
WEIGHT - MEAN(gm)	0.00	0.00	118.35	132.81	145.56	159.61	173.38	183.43	194.20	194.71	136.08	143.86
- STD. DEV.	0.00	0.00	12.23	12.70	17.96	22.96	19.56	21.64	22.52	29.90	16.06	24.28

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	52	592	51	5	0	0	
% AT STAGE	0.00	0.00	0.00	7.43	84.57	7.29	0.71	0.00	0.00	

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ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:			
					NO.	%	MALE	FEMALE
NO.	1	424	3	428			272	428
%	0.23	99.07	0.70	100.00			38.86	61.14
% SAMPLE WEIGHT	0.02	26.01	0.04	26.07			142.50	144.73
					MEAN WEIGHT		142.50	144.73
					% SAMP. WT.		38.49	61.51
							0.00	100.00

Table 13 Test Fishing Sample Summaries by Area

AREA: 2W - WEST COAST Q.C.I.
 SAMPLE NUMBERS: 195, 156, 160, 194, 163, 158, 197, 161, 164, 196,
 190, 192, 191, 166, 205, 159, 179, 193, 162, 167, 165
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 6/93 - APR 2/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	23	325	399	289	53	106	714	75	11	104	2099
% AT AGE	0.00	1.15	16.29	20.00	14.49	2.66	5.31	35.79	3.76	0.55	0.00	100.00
LENGTH - MEAN(mm)	0.00	168.61	192.07	203.49	210.88	222.04	228.46	230.36	237.35	234.82	217.56	215.30
- STD. DEV.	0.00	6.01	8.50	8.95	9.56	8.76	11.00	9.67	9.12	10.01	17.73	18.47
WEIGHT - MEAN(gm)	0.00	67.61	104.66	126.42	143.48	169.89	175.72	186.20	196.57	195.55	159.17	153.17
- STD. DEV.	0.00	9.22	15.66	21.11	24.62	25.67	29.15	27.26	28.23	22.13	40.64	41.30

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	2	2	202	1706	168	18	0	1	
% AT STAGE	0.00	0.10	0.10	9.62	81.28	8.00	0.86	0.00	0.05	

ROE MATURITY (FEMALE):

						SEX RATIO:				
	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL	
NO.	134	912	3	1049		NO.	1047	1049	3	2099
%	12.77	86.94	0.29	100.00		%	49.88	49.98	0.14	100.00
% SAMPLE WEIGHT	2.57	25.04	0.00	27.62		MEAN WEIGHT	146.22	160.05	171.67	153.17
						% SAMP. WT.	47.62	52.22	0.16	100.00

Table 13 (cont'd) Test Fishing Sample Summaries by Area

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AREA: 2E - EAST COAST Q.C.I.
 SAMPLE NUMBERS: 181, 153, 299, 172, 223, 338, 185, 180, 177, 215,
 204, 151, 183, 152, 182, 168, 176, 173, 206, 188,
 150, 157, 155, 221, 149, 200
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 7/93 - APR 4/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	10	81	1494	100	162	347	255	30	10	109	2598
% AT AGE	0.00	0.40	3.25	60.02	4.02	6.51	13.94	10.25	1.21	0.40	0.00	100.00
LENGTH - MEAN(mm)	0.00	171.10	189.09	198.03	204.33	211.41	215.52	219.66	228.93	238.30	205.47	204.01
- STD. DEV.	0.00	6.35	8.48	7.76	8.10	8.04	8.76	9.56	9.82	5.56	11.90	12.59
WEIGHT - MEAN(gm)	0.00	78.00	100.63	116.02	129.31	146.64	154.54	158.35	185.93	205.70	133.52	129.00
- STD. DEV.	0.00	6.82	15.58	15.25	20.35	21.64	25.30	24.70	33.12	29.01	28.28	27.64

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	1	1	1	224	2130	232	9	0	0	
% AT STAGE	0.04	0.04	0.04	8.62	81.99	8.93	0.35	0.00	0.00	

ROE MATURITY (FEMALE):

					SEX RATIO:					
	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL	
NO.	150	1224	4	1378		NO.	1218	1378	2	2598
%	10.89	88.82	0.29	100.00		%	46.88	53.04	0.08	100.00
% SAMPLE WEIGHT	2.22	24.86	0.00	27.08		MEAN WEIGHT	123.54	133.81	144.50	129.00
						% SAMP. WT.	44.90	55.02	0.09	100.00

Table 13 (cont'd) Test Fishing Sample Summaries by Area

AREA: 3 - NASS
 SAMPLE NUMBERS: 169, 214, 154, 148, 184, 174, 209, 202
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 14/93 - MAR 22/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	116	176	370	25	37	29	10	1	33	798
% AT AGE	0.00	0.13	15.16	23.01	48.37	3.27	4.84	3.79	1.31	0.13	0.00	100.00
LENGTH - MEAN(mm)	0.00	162.00	174.10	184.55	192.04	202.36	209.05	212.28	214.90	219.00	187.15	189.71
- STD. DEV.	0.00	0.00	8.63	9.08	9.03	12.11	9.39	8.37	9.06	0.00	17.33	13.63
WEIGHT - MEAN(gm)	0.00	61.00	75.26	93.31	106.33	122.12	138.11	139.86	153.30	147.00	98.30	102.38
- STD. DEV.	0.00	0.00	12.17	15.28	16.69	21.98	20.28	21.43	17.04	0.00	27.26	24.02

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	1	1	299	470	27	0	0	0	
% AT STAGE	0.00	0.13	0.13	37.47	58.90	3.38	0.00	0.00	0.00	

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ROE MATURITY (FEMALE):

						SEX RATIO:				
	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL	
NO.	144	222	0	366		NO.	432	366	0	798
%	39.34	60.66	0.00	100.00		%	54.14	45.86	0.00	100.00
% SAMPLE WEIGHT	8.12	16.15	0.00	24.27		MEAN WEIGHT	97.63	107.98	0.00	102.38
						% SAMP. WT.	51.63	48.37	0.00	100.00

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Table 13 (cont'd) Test Fishing Sample Summaries by Area

AREA: 4 - SKEENA
 SAMPLE NUMBERS: 213, 217, 315, 198, 178, 207, 170, 318
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 16/93 - MAR 28/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	3	159	194	296	32	28	24	13	2	47	798
% AT AGE	0.00	0.40	21.17	25.83	39.41	4.26	3.73	3.20	1.73	0.27	0.00	100.00
LENGTH - MEAN(mm)	0.00	160.00	173.82	186.87	194.39	205.06	211.50	213.04	217.62	218.50	188.28	190.00
- STD. DEV.	0.00	5.29	9.09	10.01	9.50	9.88	7.71	7.87	8.34	0.71	16.78	14.85
WEIGHT - MEAN(gm)	0.00	52.00	73.48	94.28	108.94	127.19	138.86	144.08	154.08	153.00	96.51	101.05
- STD. DEV.	0.00	5.57	12.23	15.77	17.72	18.31	15.40	17.43	19.57	12.73	28.93	25.93

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	7	138	567	82	4	0	0	
% AT STAGE	0.00	0.00	0.88	17.29	71.05	10.28	0.50	0.00	0.00	

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ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
NO.	89	314	2	405	NO.			393	405	0	798
%	21.98	77.53	0.49	100.00	%			49.25	50.75	0.00	100.00
% SAMPLE WEIGHT	3.79	21.99	0.00	25.79	MEAN WEIGHT			97.72	104.28	0.00	101.05
					% SAMP. WT.			47.63	52.37	0.00	100.00

Table 13 (cont'd) Test Fishing Sample Summaries by Area

AREA: 5 - GRENVILLE-PRINCIPE
 SAMPLE NUMBERS: 225, 186, 316, 187, 142, 189, 201, 139, 278, 171,
 226, 145, 175, 140, 210, 208
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 23/93 - APR 3/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	106	867	320	53	58	65	23	7	100	1600
% AT AGE	0.00	0.07	7.07	57.80	21.33	3.53	3.87	4.33	1.53	0.47	0.00	100.00
LENGTH - MEAN(mm)	0.00	164.00	178.67	187.00	196.00	203.89	209.55	213.15	218.17	220.14	192.39	191.60
- STD. DEV.	0.00	0.00	7.23	9.36	8.60	7.81	7.89	9.81	9.50	7.95	14.91	12.85
WEIGHT - MEAN(gm)	0.00	52.00	82.06	96.51	111.82	127.53	134.47	145.22	152.43	157.14	105.99	104.63
- STD. DEV.	0.00	0.00	12.45	16.46	16.59	19.45	16.37	20.98	21.12	15.94	27.28	23.41

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	1	1	4	50	1296	231	17	0	0	
% AT STAGE	0.06	0.06	0.25	3.13	81.00	14.44	1.06	0.00	0.00	

ROE MATURITY (FEMALE):

					SEX RATIO:							
	IMMATURE	MATURE	SPENT	TOTAL					MALE	FEMALE	IMMATURE	TOTAL
NO.	27	792	6	825					774	825	1	1600
%	3.27	96.00	0.73	100.00					48.38	51.56	0.06	100.00
% SAMPLE WEIGHT	0.51	26.26	0.00	26.77					98.78	110.18	53.00	104.63
					MEAN WEIGHT				45.67	54.30	0.03	100.00
					% SAMP. WT.							

Table 13 (cont'd) Test Fishing Sample Summaries by Area

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AREA: 6 - BUTEDALE
 SAMPLE NUMBERS: 147,124,332,211,335,132,138,131,123,222,129,375
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 4/93 - MAR 19/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	18	56	721	141	21	31	143	11	8	49	1199
% AT AGE	0.00	1.57	4.87	62.70	12.26	1.83	2.70	12.43	0.96	0.70	0.00	100.00
LENGTH - MEAN(mm)	0.00	155.61	178.07	190.23	200.31	205.86	208.52	214.85	226.91	235.13	196.92	194.92
- STD. DEV.	0.00	10.89	11.83	10.75	9.79	9.55	12.28	10.58	15.59	7.16	19.66	15.90
WEIGHT - MEAN(gm)	0.00	52.72	84.71	102.87	121.31	133.14	135.84	148.89	174.09	197.00	115.61	112.11
- STD. DEV.	0.00	14.50	19.87	19.53	19.63	21.69	22.38	24.80	33.99	23.99	36.49	29.53

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	1	1	0	204	857	134	2	0	0	
% AT STAGE	0.08	0.08	0.00	17.01	71.48	11.18	0.17	0.00	0.00	

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ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL	
					NO.	%					
NO.	131	475	1	607			589	607	3	1199	
%	21.58	78.25	0.16	100.00			49.12	50.63	0.25	100.00	
% SAMPLE WEIGHT	4.61	22.09	0.00	26.70			MEAN WEIGHT	103.78	120.42	66.00	112.11
							% SAMP. WT.	45.47	54.38	0.15	100.00

Table 13 (cont'd) Test Fishing Sample Summaries by Area

AREA: 7 - BELLA BELLA
 SAMPLE NUMBERS: 369, 348, 325, 300, 355, 311, 345, 337, 136, 144, 333, 344, 320, 306, 146, 295, 307, 216, 364, 376, 134, 115,
 331, 347, 351, 224, 227, 199, 334, 118, 220, 141, 128, 114, 291, 212, 367, 116, 130, 341, 218, 297, 359, 324
 122, 303, 358, 329, 126, 119, 133, 353, 94, 135, 296, 219, 350, 305, 137, 356, 372, 343, 127, 120
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 2/93 - MAR 29/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	277	425	3906	538	112	144	606	64	28	298	6398
% AT AGE	0.00	4.54	6.97	64.03	8.82	1.84	2.36	9.93	1.05	0.46	0.00	100.00
LENGTH - MEAN(mm)	0.00	152.79	178.83	190.99	198.64	205.64	210.18	215.76	221.17	228.50	193.28	192.78
- STD. DEV.	0.00	10.86	11.73	11.10	11.18	13.62	11.59	11.88	12.73	11.58	20.80	17.39
WEIGHT - MEAN(gm)	0.00	48.76	84.88	105.68	120.14	132.28	141.15	154.25	166.33	172.64	110.42	110.03
- STD. DEV.	0.00	12.95	18.61	20.66	23.23	30.10	26.66	28.32	32.91	34.62	36.93	31.81

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	12	32	16	779	4758	789	8	0	4	
% AT STAGE	0.19	0.50	0.25	12.18	74.37	12.33	0.13	0.00	0.06	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	519	2807	1	3327	NO.	3040	3327	31	6398
%	15.60	84.37	0.03	100.00	%	47.51	52.00	0.48	100.00
% SAMPLE WEIGHT	3.06	24.42	0.00	27.48	MEAN WEIGHT	103.03	117.12	36.35	110.03
					% SAMP. WT.	44.49	55.35	0.16	100.00

Table 13 (cont'd) Test Fishing Sample Summaries by Area

AREA: 8 - BELLA COOLA
 SAMPLE NUMBERS: 125,330
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 6/93 - MAR 16/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	3	31	109	26	4	4	10	2	0	11	200
% AT AGE	0.00	1.59	16.40	57.67	13.76	2.12	2.12	5.29	1.06	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	151.67	174.52	184.70	195.00	201.25	200.00	202.60	202.00	0.00	186.09	185.74
- STD. DEV.	0.00	5.69	9.26	10.02	11.42	15.54	9.97	9.01	5.66	0.00	16.30	13.46
WEIGHT - MEAN(gm)	0.00	48.67	78.45	95.77	110.62	119.25	126.25	128.50	120.00	0.00	96.00	97.28
- STD. DEV.	0.00	7.64	15.37	19.47	20.09	31.36	20.29	16.71	11.31	0.00	22.37	23.42

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	84	115	0	1	0	0	
% AT STAGE	0.00	0.00	0.00	42.00	57.50	0.00	0.50	0.00	0.00	

ROE MATURITY (FEMALE):

					SEX RATIO:				
	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL
NO.	36	58	1	95	NO.	105	95	0	200
%	37.89	61.05	1.05	100.00	%	52.50	47.50	0.00	100.00
% SAMPLE WEIGHT	7.73	16.64	0.00	24.37	MEAN WEIGHT	91.47	103.71	0.00	97.28
					% SAMP. WT.	49.36	50.64	0.00	100.00

Table 13 (cont'd) Test Fishing Sample Summaries by Area

AREA: 10 - SMITH INLET

SAMPLE NUMBERS: 121

SOURCE: TEST FISHING

GEAR: HERRING SEINE

DATE: MAR 15/93

SPECIMENS AT EACH AGE:

AGE

	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
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NO. AT AGE	0	0	4	31	19	8	8	19	2	0	9	100
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% AT AGE	0.00	0.00	4.40	34.07	20.88	8.79	8.79	20.88	2.20	0.00	0.00	100.00
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LENGTH - MEAN(mm)	0.00	0.00	173.50	182.29	187.84	189.75	193.88	195.95	208.50	0.00	182.33	187.64
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- STD. DEV.	0.00	0.00	13.18	11.70	13.41	18.65	12.45	10.95	2.12	0.00	9.99	13.79
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WEIGHT - MEAN(gm)	0.00	0.00	78.25	87.00	99.32	105.38	105.63	113.58	145.50	0.00	88.00	98.26
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- STD. DEV.	0.00	0.00	24.19	20.20	22.74	31.04	23.61	21.65	19.09	0.00	16.43	24.86
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HJORT MATURITY STAGES:

MATURITY STAGE

	1	2	3	4	5	6	7	8	UNKNOWN
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NO. AT STAGE	0	0	0	8	85	7	0	0	0
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% AT STAGE	0.00	0.00	0.00	8.00	85.00	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
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NO.	7	33	0	40	NO.	60	40	0	100
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%	17.50	82.50	0.00	100.00	%	60.00	40.00	0.00	100.00
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% SAMPLE WEIGHT	3.93	21.92	0.00	25.85	MEAN WEIGHT	95.03	103.10	0.00	98.26
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% SAMP. WT.	58.03	41.97	0.00	100.00
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Table 13 (cont'd) Test Fishing Sample Summaries by Area

AREA: 13 - QUATHIASKI
 SAMPLE NUMBERS: 60,108
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 11/93 - MAR 12/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	84	11	40	35	2	1	2	2	0	0	23	200
% AT AGE	47.46	6.21	22.60	19.77	1.13	0.56	1.13	1.13	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	106.55	155.45	169.82	180.14	196.00	189.00	208.50	198.50	0.00	0.00	128.35	140.52
- STD. DEV.	7.32	13.85	12.84	13.77	5.66	0.00	13.44	13.44	0.00	0.00	33.78	36.24
WEIGHT - MEAN(gm)	12.98	53.55	66.50	80.60	114.50	82.00	136.00	115.50	0.00	0.00	34.04	43.78
- STD. DEV.	2.84	17.29	21.32	21.54	6.36	0.00	49.50	31.82	0.00	0.00	31.41	35.60

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	57	43	0	8	54	33	2	2	1	
% AT STAGE	28.50	21.50	0.00	4.00	27.00	16.50	1.00	1.00	0.50	

ROE MATURITY (FEMALE):

	SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL	
	IMMATURE	MATURE	SPENT	TOTAL					
NO.	14	42	1	57					
%	24.56	73.68	1.75	100.00					
% SAMPLE WEIGHT	0.31	20.46	0.00	20.77					
					NO.	69	57	74	200
					%	34.50	28.50	37.00	100.00
					MEAN WEIGHT	57.58	66.98	13.05	43.78
					% SAMP. WT.	45.37	43.60	11.03	100.00

Table 13 (cont'd) Test Fishing Sample Summaries by Area

AREA: 14 - COMOX
 SAMPLE NUMBERS: 112, 66, 102, 28, 352, 357, 4, 203, 328, 1, 21,
 20, 8, 11, 354, 13, 3, 117, 322, 91, 327, 103,
 294, 373, 360, 22, 374, 340, 109, 366, 293, 2

SOURCE: TEST FISHING

GEAR: HERRING SEINE

DATE: FEB 23/93 - MAR 18/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	402	1136	912	210	171	33	47	2	2	284	3199
% AT AGE	0.00	13.79	38.97	31.29	7.20	5.87	1.13	1.61	0.07	0.07	0.00	100.00
LENGTH - MEAN(mm)	0.00	163.78	187.14	198.41	206.84	211.59	219.12	219.64	229.00	221.00	191.59	191.27
- STD. DEV.	0.00	11.94	10.75	10.14	9.16	10.01	10.73	12.41	18.38	7.07	18.54	17.55
WEIGHT - MEAN(gm)	0.00	60.53	93.77	113.86	130.25	142.78	155.76	159.38	167.00	147.50	103.68	102.89
- STD. DEV.	0.00	13.78	18.29	20.32	22.40	24.09	24.17	28.54	12.73	7.78	33.59	30.74

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	2	23	7	394	2366	338	66	3	0	
% AT STAGE	0.06	0.72	0.22	12.32	73.96	10.57	2.06	0.09	0.00	

ROE MATURITY (FEMALE):

						SEX RATIO:					
	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL		
NO.	200	1400	19	1619		NO.		1561	1619	19	3199
%	12.35	86.47	1.17	100.00		%		48.80	50.61	0.59	100.00
% SAMPLE WEIGHT	1.85	24.85	0.00	26.71		MEAN WEIGHT		96.08	110.21	39.26	102.89
						% SAMP. WT.		45.56	54.21	0.23	100.00

Table 13 (cont'd) Test Fishing Sample Summaries by Area

AREA: 15 - WESTVIEW
 SAMPLE NUMBERS: 70
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 10/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	1	72	16	4	0	0	0	0	0	0	7	100
% AT AGE	1.08	77.42	17.20	4.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	107.00	152.75	172.44	175.50	0.00	0.00	0.00	0.00	0.00	0.00	146.43	155.91
- STD. DEV.	0.00	7.74	12.36	6.45	0.00	0.00	0.00	0.00	0.00	0.00	10.28	13.08
WEIGHT - MEAN(gm)	14.00	44.04	62.06	64.00	0.00	0.00	0.00	0.00	0.00	0.00	39.14	47.08
- STD. DEV.	0.00	7.98	14.02	4.16	0.00	0.00	0.00	0.00	0.00	0.00	8.11	12.25

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	17	29	4	9	0	0	22	3	16	
% AT STAGE	17.00	29.00	4.00	9.00	0.00	0.00	22.00	3.00	16.00	

ROE MATURITY (FEMALE):

	SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL	
	IMMATURE	MATURE	SPENT	TOTAL					
NO.	15	0	9	24	NO.	14	24	62	100
%	62.50	0.00	37.50	100.00	%	14.00	24.00	62.00	100.00
% SAMPLE WEIGHT	5.76	0.00	0.00	5.76	MEAN WEIGHT	48.64	51.38	45.06	47.08
					% SAMP. WT.	14.46	26.19	59.35	100.00

Table 13 (cont'd) Test Fishing Sample Summaries by Area

AREA: 17 - NANAIMO
 SAMPLE NUMBERS: 83,309, 15, 96, 14,113, 97,298, 82,370,
 104,302, 19, 27, 18
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 8/93 - MAR 19/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	372	460	359	75	72	20	9	6	0	127	1500
% AT AGE	0.00	27.09	33.50	26.15	5.46	5.24	1.46	0.66	0.44	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.23	184.70	197.62	207.19	216.15	217.45	227.89	224.33	0.00	178.53	184.44
- STD. DEV.	0.00	13.27	13.79	12.42	11.56	9.36	11.55	6.21	6.38	0.00	24.54	22.60
WEIGHT - MEAN(gm)	0.00	54.76	85.46	104.27	123.24	142.13	155.70	167.33	154.67	0.00	80.08	88.21
- STD. DEV.	0.00	14.15	19.60	22.16	25.63	26.09	21.92	16.70	15.91	0.00	34.02	33.46

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	5	3	59	774	163	456	39	1	
% AT STAGE	0.00	0.33	0.20	3.93	51.60	10.87	30.40	2.60	0.07	

ROE MATURITY (FEMALE):

	IMMATURE				SEX RATIO:				
	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL
NO.	15	473	215	703	NO.	790	703	7	1500
%	2.13	67.28	30.58	100.00	%	52.67	46.87	0.47	100.00
% SAMPLE WEIGHT	0.30	19.29	0.00	19.58	MEAN WEIGHT	83.68	93.78	39.43	88.21
					% SAMP. WT.	49.96	49.83	0.21	100.00

Table 13 (cont'd) Test Fishing Sample Summaries by Area

AREA: 18 - COWICHAN
 SAMPLE NUMBERS: 17, 16, 326
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 24/93 - MAR 10/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	46	108	72	12	17	2	9	0	0	34	300
% AT AGE	0.00	17.29	40.60	27.07	4.51	6.39	0.75	3.38	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	172.02	189.81	199.56	204.42	213.76	205.50	222.44	0.00	0.00	195.41	193.08
- STD. DEV.	0.00	12.05	9.24	8.19	12.02	8.54	4.95	7.16	0.00	0.00	17.93	15.93
WEIGHT - MEAN(gm)	0.00	61.89	83.38	95.88	110.08	123.24	113.00	144.78	0.00	0.00	92.97	89.54
- STD. DEV.	0.00	11.56	12.68	13.26	28.15	21.93	21.21	15.13	0.00	0.00	25.73	23.97

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	2	0	25	56	27	190	0	0	
% AT STAGE	0.00	0.67	0.00	8.33	18.67	9.00	63.33	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
					NO.	%				
NO.	16	32	90	138			161	138	1	300
%	11.59	23.19	65.22	100.00			53.67	46.00	0.33	100.00
% SAMPLE WEIGHT	2.70	5.35	0.00	8.05						
					MEAN WEIGHT		87.02	92.87	35.00	89.54
					% SAMP. WT.		52.16	47.71	0.13	100.00

Table 13 (cont'd) Test Fishing Sample Summaries by Area

AREA: 23 - BARKLEY SOUND
 SAMPLE NUMBERS: 319, 304, 69, 314, 290, 363, 90, 323, 64, 61, 371, 312, 23, 289,
 111, 310, 24, 76, 292, 106, 365, 101, 25, 85, 105, 68, 63, 62,
 93, 77, 88, 79, 65, 78, 81, 89, 80, 321, 301, 336, 288, 67

SOURCE: TEST FISHING

GEAR: HERRING SEINE

DATE: FEB 22/93 - MAR 13/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	135	1027	1558	285	316	184	315	35	18	310	4183
% AT AGE	0.00	3.49	26.52	40.23	7.36	8.16	4.75	8.13	0.90	0.46	0.00	100.00
LENGTH - MEAN(mm)	0.00	169.73	188.42	200.91	209.30	217.34	223.52	227.34	232.06	237.50	201.38	202.09
- STD. DEV.	0.00	11.57	9.70	8.96	9.44	8.82	7.92	8.77	8.51	10.61	19.64	17.03
WEIGHT - MEAN(gm)	0.00	71.18	98.70	122.99	141.05	159.54	169.68	179.80	188.86	196.11	125.75	126.75
- STD. DEV.	0.00	15.76	17.34	19.97	21.64	23.07	22.08	22.73	24.90	23.50	38.38	34.89

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	2	1	258	3338	556	28	0	0	
% AT STAGE	0.00	0.05	0.02	6.17	79.80	13.29	0.67	0.00	0.00	

ROE MATURITY (FEMALE):

					SEX RATIO:					
	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL	
NO.	70	2163	1	2234		NO.	1948	2234	1	4183
%	3.13	96.82	0.04	100.00		%	46.57	53.41	0.02	100.00
% SAMPLE WEIGHT	0.53	27.19	0.00	27.73		MEAN WEIGHT	117.45	134.87	72.00	126.75
						% SAMP. WT.	43.16	56.83	0.01	100.00

Table 13 (cont'd) Test Fishing Sample Summaries by Area

AREA: 24 - CLAYOQUOT SOUND
 SAMPLE NUMBERS: 107
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 11/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	15	31	36	6	4	0	1	0	0	7	100
% AT AGE	0.00	16.13	33.33	38.71	6.45	4.30	0.00	1.08	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	171.53	186.23	200.42	205.83	218.50	0.00	227.00	0.00	0.00	197.14	192.77
- STD. DEV.	0.00	9.29	8.99	8.47	9.83	8.35	0.00	0.00	0.00	0.00	22.37	15.90
WEIGHT - MEAN(gm)	0.00	63.73	78.77	98.47	103.67	129.75	0.00	143.00	0.00	0.00	95.00	88.92
- STD. DEV.	0.00	11.71	12.39	12.42	7.42	9.54	0.00	0.00	0.00	0.00	27.24	21.10

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	1	4	1	0	0	75	19	0	
% AT STAGE	0.00	1.00	4.00	1.00	0.00	0.00	75.00	19.00	0.00	

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ROE MATURITY (FEMALE):

	SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL	
	IMMATURE	MATURE	SPENT	TOTAL					
NO.	4	0	38	42					
%	9.52	0.00	90.48	100.00					
% SAMPLE WEIGHT	0.69	0.00	0.00	0.69					
					NO.	56	42	2	100
					%	56.00	42.00	2.00	100.00
					MEAN WEIGHT	88.23	90.14	82.50	88.92
					% SAMP. WT.	55.57	42.58	1.86	100.00

Table 13 (cont'd) Test Fishing Sample Summaries by Area

AREA: 25 - NOOTKA SOUND
 SAMPLE NUMBERS: 86, 95, 92, 84, 99, 110, 98
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 25/93 - MAR 10/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	36	242	294	30	14	8	8	0	0	68	700
% AT AGE	0.00	5.70	38.29	46.52	4.75	2.22	1.27	1.27	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	163.53	187.55	202.11	210.33	220.57	224.63	228.50	0.00	0.00	194.22	195.60
- STD. DEV.	0.00	10.80	9.96	8.63	9.71	9.62	8.93	7.01	0.00	0.00	17.61	15.66
WEIGHT - MEAN(gm)	0.00	60.00	94.66	120.87	142.00	165.64	174.63	182.75	0.00	0.00	108.24	110.57
- STD. DEV.	0.00	13.23	18.47	21.35	22.92	22.16	26.90	19.62	0.00	0.00	32.70	30.60

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	3	36	538	45	78	0	0	
% AT STAGE	0.00	0.00	0.43	5.14	76.86	6.43	11.14	0.00	0.00	

ROE MATURITY (FEMALE):

					SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL	
	IMMATURE	MATURE	SPENT	TOTAL	NO.	%					
NO.	21	339	26	386			309	386	5	700	
%	5.44	87.82	6.74	100.00			44.14	55.14	0.71	100.00	
% SAMPLE WEIGHT	0.85	25.12	0.00	25.98			MEAN WEIGHT	101.63	118.39	59.40	110.57
							% SAMP. WT.	40.57	59.04	0.38	100.00

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Table 13 (cont'd) Test Fishing Sample Summaries by Area

AREA: 26 - KYUQUOT SOUND
 SAMPLE NUMBERS: 100
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 12/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	65	9	3	1	0	0	1	0	0	21	100
% AT AGE	0.00	82.28	11.39	3.80	1.27	0.00	0.00	1.27	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	152.91	182.44	193.67	213.00	0.00	0.00	233.00	0.00	0.00	153.29	158.27
- STD. DEV.	0.00	7.48	7.04	13.05	0.00	0.00	0.00	0.00	0.00	0.00	8.03	16.08
WEIGHT - MEAN(gm)	0.00	47.52	84.78	110.67	150.00	0.00	0.00	169.00	0.00	0.00	48.24	55.16
- STD. DEV.	0.00	7.95	11.94	35.53	0.00	0.00	0.00	0.00	0.00	0.00	8.80	23.17

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	5	5	2	37	28	3	4	0	16	
% AT STAGE	5.00	5.00	2.00	37.00	28.00	3.00	4.00	0.00	16.00	

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ROE MATURITY (FEMALE):

					SEX RATIO:		
	IMMATURE	MATURE	SPENT	TOTAL			
NO.	22	14	1	37	NO.		
%	59.46	37.84	2.70	100.00	%		
% SAMPLE WEIGHT	7.63	12.69	0.00	20.33	MEAN WEIGHT	58.71	59.84
					% SAMP. WT.	40.45	40.14
						19.42	100.00

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Table 13 (cont'd) Test Fishing Sample Summaries by Area

AREA: 27 - QUATSINO SOUND
 SAMPLE NUMBERS: 7, 6, 5, 9, 10, 29
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 1/93 - MAR 8/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	57	181	222	30	7	9	31	2	4	57	600
% AT AGE	0.00	10.50	33.33	40.88	5.52	1.29	1.66	5.71	0.37	0.74	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.67	181.82	199.64	205.30	221.71	228.33	234.45	226.50	239.50	186.42	192.33
- STD. DEV.	0.00	8.65	9.85	9.84	11.10	7.34	8.49	7.14	6.36	11.82	24.68	21.13
WEIGHT - MEAN(gm)	0.00	60.11	90.52	119.59	128.23	173.29	184.78	198.35	156.00	221.00	101.33	110.34
- STD. DEV.	0.00	9.82	15.45	19.76	24.72	24.90	28.86	28.97	15.56	23.83	46.96	39.45

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	85	481	33	1	0	0	
% AT STAGE	0.00	0.00	0.00	14.17	80.17	5.50	0.17	0.00	0.00	

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ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL	
					NO.	%					
NO.	47	266	1	314			286	314	0	600	
%	14.97	84.71	0.32	100.00			47.67	52.33	0.00	100.00	
% SAMPLE WEIGHT	2.44	23.39	0.01	25.83			MEAN WEIGHT	100.82	119.01	0.00	110.34
							% SAMP. WT.	43.55	56.45	0.00	100.00

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Table 13 (cont'd) Test Fishing Sample Summaries by Area

AREA: 29 - FRASER RIVER
 SAMPLE NUMBERS: 12
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 11/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	6	36	28	5	13	2	5	0	0	5	100
% AT AGE	0.00	6.32	37.89	29.47	5.26	13.68	2.11	5.26	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	177.33	193.08	201.04	208.80	214.00	218.00	226.20	0.00	0.00	195.80	200.16
- STD. DEV.	0.00	6.38	8.64	9.70	4.82	7.39	4.24	5.76	0.00	0.00	7.60	13.64
WEIGHT - MEAN(gm)	0.00	64.00	84.03	95.18	109.20	114.62	132.00	134.40	0.00	0.00	87.40	94.83
- STD. DEV.	0.00	7.43	12.68	12.37	4.60	13.56	8.49	11.01	0.00	0.00	12.58	20.21

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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	1	0	30	69	0	
% AT STAGE	0.00	0.00	0.00	0.00	1.00	0.00	30.00	69.00	0.00	

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ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:				
					MALE	FEMALE	IMMATURE	TOTAL	
NO.	0	1	46	47					
%	0.00	2.13	97.87	100.00					
% SAMPLE WEIGHT	0.00	0.74	0.00	0.74					
					NO.	52	47	1	100
					%	52.00	47.00	1.00	100.00
					MEAN WEIGHT	92.38	98.32	58.00	94.83
					% SAMP. WT.	50.66	48.73	0.61	100.00

Table 14 Test Fishing Sample Summaries by Section

SECTION: 2 - PORT LOUIS
 SAMPLE NUMBERS: 195, 196, 190, 192, 193
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 7/93 - MAR 26/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	15	133	84	93	10	27	107	11	0	20	500
% AT AGE	0.00	3.13	27.71	17.50	19.38	2.08	5.63	22.29	2.29	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	168.93	192.41	203.52	211.01	223.60	230.85	232.07	231.91	0.00	215.00	209.99
- STD. DEV.	0.00	5.87	8.99	9.52	9.95	7.85	11.39	9.68	13.22	0.00	17.63	19.56
WEIGHT - MEAN(gm)	0.00	66.27	105.36	128.88	146.97	173.80	181.41	192.78	191.36	0.00	157.90	144.05
- STD. DEV.	0.00	8.28	15.27	22.87	24.45	12.04	33.70	26.40	30.64	0.00	39.48	42.77

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	100	326	65	9	0	0	
% AT STAGE	0.00	0.00	0.00	20.00	65.20	13.00	1.80	0.00	0.00	

ROE MATURITY (FEMALE):

	SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL	
	IMMATURE	MATURE	SPENT	TOTAL					
NO.	59	187	1	247					
%	23.89	75.71	0.40	100.00					
% SAMPLE WEIGHT	5.26	22.82	0.00	28.08					
					NO.	253	247	0	500
					%	50.60	49.40	0.00	100.00
					MEAN WEIGHT	137.42	150.85	0.00	144.05
					% SAMP. WT.	48.27	51.73	0.00	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 3 - RENNELL SOUND
 SAMPLE NUMBERS: 162,165,191,163,158
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 9/93 - MAR 28/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	4	63	58	66	6	20	239	16	4	24	500
% AT AGE	0.00	0.84	13.24	12.18	13.87	1.26	4.20	50.21	3.36	0.84	0.00	100.00
LENGTH - MEAN(mm)	0.00	171.25	192.21	203.67	214.03	226.67	228.00	232.47	242.13	228.75	219.92	220.56
- STD. DEV.	0.00	4.92	9.15	10.23	9.54	15.41	11.12	8.97	7.34	9.54	20.13	18.62
WEIGHT - MEAN(gm)	0.00	75.00	109.63	135.97	156.59	190.00	188.15	198.54	216.38	200.00	174.13	172.45
- STD. DEV.	0.00	10.98	16.15	23.28	21.33	36.79	22.17	24.78	29.11	20.93	43.61	42.01

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	55	413	31	0	0	1	
% AT STAGE	0.00	0.00	0.00	11.00	82.60	6.20	0.00	0.00	0.20	

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ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:				
					MALE	FEMALE	IMMATURE	TOTAL	
NO.	43	214	0	257					
%	16.73	83.27	0.00	100.00					
% SAMPLE WEIGHT	3.55	23.81	0.00	27.36					
					NO.	242	257	1	500
					%	48.40	51.40	0.20	100.00
					MEAN WEIGHT	167.31	177.21	191.00	172.45
					% SAMP. WT.	46.96	52.82	0.22	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 4 - CARTWRIGHT SOUND
 SAMPLE NUMBERS: 159
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 23/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	9	12	16	3	4	35	10	2	8	100
% AT AGE	0.00	1.09	9.78	13.04	17.39	3.26	4.35	38.04	10.87	2.17	0.00	100.00
LENGTH - MEAN(mm)	0.00	162.00	194.33	205.83	215.69	213.00	231.25	228.20	234.20	231.50	225.13	219.89
- STD. DEV.	0.00	0.00	6.46	6.89	7.80	7.21	13.23	9.42	9.66	2.12	20.19	16.39
WEIGHT - MEAN(gm)	0.00	73.00	115.78	143.92	163.13	168.00	184.50	189.23	203.80	179.50	186.75	172.08
- STD. DEV.	0.00	0.00	16.60	21.64	17.93	13.23	13.60	23.62	25.28	0.71	49.40	35.80

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	0	96	4	0	0	0	
% AT STAGE	0.00	0.00	0.00	0.00	96.00	4.00	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

					SEX RATIO:				
	IMMATURE	MATURE	SPENT	TOTAL					
NO.	0	48	0	48					
%	0.00	100.00	0.00	100.00					
% SAMPLE WEIGHT	0.00	27.87	0.00	27.87					
					NO.	52	48	0	100
					%	52.00	48.00	0.00	100.00
					MEAN WEIGHT	167.71	176.81	0.00	172.08
					% SAMP. WT.	50.68	49.32	0.00	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 5 - ENGLEFIELD BAY
SAMPLE NUMBERS: 205, 166, 164, 161, 197, 194, 160
SOURCE: TEST FISHING
GEAR: HERRING SEINE
DATE: MAR 27/93 - APR 2/93

SPECIMENS AT EACH AGE:

	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	2	85	167	93	9	37	229	31	5	41	699
% AT AGE	0.00	0.30	12.92	25.38	14.13	1.37	5.62	34.80	4.71	0.76	0.00	100.00
LENGTH - MEAN(mm)	0.00	161.00	191.16	202.50	207.90	218.00	226.84	229.19	238.06	241.00	215.20	214.55
- STD. DEV.	0.00	2.83	7.85	9.03	8.97	6.96	11.41	10.34	7.65	9.54	17.08	17.98
WEIGHT - MEAN(gm)	0.00	57.00	98.91	120.37	129.25	154.44	164.38	175.60	189.87	198.40	145.24	144.72
- STD. DEV.	0.00	2.83	14.41	19.28	20.46	39.23	29.35	26.30	25.41	27.15	35.06	38.16

HJORT MATURITY STAGES:

HJORT MATURITY STAGES:			MATURITY STAGE						
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	2	2	23	611	52	9	0	0
% AT STAGE	0.00	0.29	0.29	3.29	87.41	7.44	1.29	0.00	0.00

ROE Maturity (Female):

ROE MATURITY (FEMALE):
 =====
 IMMATURE MATURE SPENT TOTAL
 NO. 13 324 2 339
 % 3.83 95.58 0.59 100.00
 % SAMPLE WEIGHT 0.36 27.22 0.00 27.57

SEX RATIO:
 =====
 MALE FEMALE IMMATURE TOTAL
 NO. 358 339 2 699
 % 51.22 48.50 0.29 100.00
 MEAN WEIGHT 134.52 155.40 162.00 144.72
 % SAMP. WT. 47.60 52.07 0.32 100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 6 - LOUSCOONE INLET
 SAMPLE NUMBERS: 156,167,179
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 6/93 - MAR 8/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	35	78	21	25	18	104	7	0	11	300
% AT AGE	0.00	0.35	12.11	26.99	7.27	8.65	6.23	35.99	2.42	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	175.00	192.14	205.08	209.90	222.84	228.11	227.03	236.29	0.00	220.36	215.57
- STD. DEV.	0.00	0.00	7.48	7.15	7.51	7.06	9.30	8.27	5.65	0.00	12.55	15.26
WEIGHT - MEAN(gm)	0.00	74.00	104.17	126.94	134.86	169.28	174.72	173.37	178.86	0.00	160.73	149.60
- STD. DEV.	0.00	0.00	14.69	16.33	19.46	19.12	23.97	21.82	13.37	0.00	33.20	32.96

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	24	260	16	0	0	0	
% AT STAGE	0.00	0.00	0.00	8.00	86.67	5.33	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE					SEX RATIO:				
	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL	
NO.	19	139	0	158		NO.	142	158	0	300
%	12.03	87.97	0.00	100.00		%	47.33	52.67	0.00	100.00
% SAMPLE WEIGHT	2.34	25.03	0.00	27.37		MEAN WEIGHT	147.58	151.42	0.00	149.60
						% SAMP. WT.	46.69	53.31	0.00	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 21 - JUAN PEREZ SOUND
 SAMPLE NUMBERS: 185, 188, 206
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 10/93 - MAR 24/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	4	193	9	15	41	27	4	0	6	300
% AT AGE	0.00	0.34	1.36	65.65	3.06	5.10	13.95	9.18	1.36	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	180.00	186.75	194.54	197.22	208.20	213.12	217.85	227.00	0.00	206.67	200.47
- STD. DEV.	0.00	0.00	4.99	8.07	7.36	7.39	7.43	6.09	17.76	0.00	10.58	12.29
WEIGHT - MEAN(gm)	0.00	85.00	91.50	107.36	111.67	129.20	139.83	147.70	164.75	0.00	138.67	117.75
- STD. DEV.	0.00	0.00	9.26	14.11	14.70	13.44	15.47	20.21	45.88	0.00	29.89	22.87

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HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	1	85	205	9	0	0	0
% AT STAGE	0.00	0.00	0.33	28.33	68.33	3.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL	
	IMMATURE	MATURE	SPENT	TOTAL					
NO.	42	100	0	142	NO.	158	142	0	300
%	29.58	70.42	0.00	100.00	%	52.67	47.33	0.00	100.00
% SAMPLE WEIGHT	6.60	19.28	0.00	25.88	MEAN WEIGHT	113.45	122.54	0.00	117.75
					% SAMP. WT.	50.74	49.26	0.00	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 23 - CUMSHEWA INLET
 SAMPLE NUMBERS: 151,223
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: APR 4/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	2	6	28	7	29	89	14	8	4	13	200
% AT AGE	0.00	1.07	3.21	14.97	3.74	15.51	47.59	7.49	4.28	2.14	0.00	100.00
LENGTH - MEAN(mm)	0.00	170.50	200.83	204.43	212.86	216.86	218.47	224.86	227.63	240.75	218.38	216.32
- STD. DEV.	0.00	0.71	13.69	10.45	7.99	6.93	9.69	12.25	4.31	5.12	6.50	12.51
WEIGHT - MEAN(gm)	0.00	75.50	124.67	137.82	160.71	169.21	176.06	194.14	208.38	235.00	176.31	170.38
- STD. DEV.	0.00	7.78	22.48	25.88	27.61	19.71	29.66	35.41	15.46	14.07	22.75	34.63

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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	183	15	0	0	0
% AT STAGE	0.00	0.00	0.00	1.00	91.50	7.50	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	108	0	109	NO.	91	109	0	200
%	0.92	99.08	0.00	100.00	%	45.50	54.50	0.00	100.00
% SAMPLE WEIGHT	0.13	28.25	0.00	28.38	MEAN WEIGHT	163.65	176.00	0.00	170.38
					% SAMP. WT.	43.70	56.30	0.00	100.00

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Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 24 - LASKEEK BAY
 SAMPLE NUMBERS: 180,152
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 30/93 - APR 3/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	7	6	86	11	27	32	17	0	1	11	198
% AT AGE	0.00	3.74	3.21	45.99	5.88	14.44	17.11	9.09	0.00	0.53	0.00	100.00
LENGTH - MEAN(mm)	0.00	170.00	191.33	195.66	202.64	211.63	209.28	215.82	0.00	227.00	201.73	201.62
- STD. DEV.	0.00	6.76	11.64	8.03	7.97	7.32	8.31	8.46	0.00	0.00	11.95	12.85
WEIGHT - MEAN(gm)	0.00	77.71	109.17	120.56	138.45	158.85	149.28	164.94	0.00	182.00	130.00	134.20
- STD. DEV.	0.00	7.02	20.13	16.74	24.08	19.59	28.28	27.32	0.00	0.00	29.79	29.55

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	8	158	31	1	0	0	
% AT STAGE	0.00	0.00	0.00	4.04	79.80	15.66	0.51	0.00	0.00	

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ROE MATURITY (FEMALE):

	IMMATURE				SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL
	IMMATURE	MATURE	SPENT	TOTAL	NO.	%	MEAN WEIGHT	% SAMP. WT.				
NO.	2	100	1	103					95	103	0	198
%	1.94	97.09	0.97	100.00					47.98	52.02	0.00	100.00
% SAMPLE WEIGHT	0.34	26.42	0.00	26.76								

NO.	%	MEAN WEIGHT	% SAMP. WT.	MALE	FEMALE	IMMATURE	TOTAL

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 25 - SKINCUTTLE INLET
 SAMPLE NUMBERS: 183, 204, 173, 182, 168, 176, 150, 157, 155, 221,
 149, 200, 215, 177, 338, 172, 153, 299, 181
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 7/93 - MAR 27/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	65	1187	73	91	185	197	18	5	79	1900
% AT AGE	0.00	0.00	3.57	65.18	4.01	5.00	10.16	10.82	0.99	0.27	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	187.94	198.62	204.64	210.14	215.71	219.87	229.94	238.60	203.77	203.52
- STD. DEV.	0.00	0.00	6.96	7.39	7.50	7.98	7.97	9.70	9.92	3.43	11.45	11.86
WEIGHT - MEAN(gm)	0.00	0.00	98.18	116.58	127.10	138.70	148.36	156.70	180.67	187.00	126.58	125.88
- STD. DEV.	0.00	0.00	12.49	14.14	15.77	15.97	16.75	21.88	32.09	17.59	22.34	23.09

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	1	1	0	129	1584	177	8	0	0	
% AT STAGE	0.05	0.05	0.00	6.79	83.37	9.32	0.42	0.00	0.00	

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ROE MATURITY (FEMALE):

	IMMATURE				SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL
	NO.	MATURE	SPENT	TOTAL	NO.	%						
NO.	105	916	3	1024					874	1024	2	1900
%	10.25	89.45	0.29	100.00					46.00	53.89	0.11	100.00
% SAMPLE WEIGHT	2.14	24.93	0.00	27.08					120.50	130.44	144.50	125.88
					MEAN WEIGHT							
					% SAMP. WT.				44.03	55.85	0.12	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 33 - PORT SIMPSON
 SAMPLE NUMBERS: 202, 174, 209, 169, 148, 214, 154, 184
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 14/93 - MAR 22/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	116	176	370	25	37	29	10	1	33	798
% AT AGE	0.00	0.13	15.16	23.01	48.37	3.27	4.84	3.79	1.31	0.13	0.00	100.00
LENGTH - MEAN(mm)	0.00	162.00	174.10	184.55	192.04	202.36	209.05	212.28	214.90	219.00	187.15	189.71
- STD. DEV.	0.00	0.00	8.63	9.08	9.03	12.11	9.39	8.37	9.06	0.00	17.33	13.63
WEIGHT - MEAN(gm)	0.00	61.00	75.26	93.31	106.33	122.12	138.11	139.86	153.30	147.00	98.30	102.38
- STD. DEV.	0.00	0.00	12.17	15.28	16.69	21.98	20.28	21.43	17.04	0.00	27.26	24.02

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	1	1	299	470	27	0	0	0	
% AT STAGE	0.00	0.13	0.13	37.47	58.90	3.38	0.00	0.00	0.00	

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ROE MATURITY (FEMALE):

					SEX RATIO:				
	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL
NO.	144	222	0	366	NO.	432	366	0	798
%	39.34	60.66	0.00	100.00	%	54.14	45.86	0.00	100.00
% SAMPLE WEIGHT	8.12	16.15	0.00	24.27	MEAN WEIGHT	97.63	107.98	0.00	102.38
					% SAMP. WT.	51.63	48.37	0.00	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 42 - AREA 4 NORTH
 SAMPLE NUMBERS: 318, 178, 207, 170, 213, 217, 315, 198
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 16/93 - MAR 28/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	3	159	194	296	32	28	24	13	2	47	798
% AT AGE	0.00	0.40	21.17	25.83	39.41	4.26	3.73	3.20	1.73	0.27	0.00	100.00
LENGTH - MEAN(mm)	0.00	160.00	173.82	186.87	194.39	205.06	211.50	213.04	217.62	218.50	188.28	190.00
- STD. DEV.	0.00	5.29	9.09	10.01	9.50	9.88	7.71	7.87	8.34	0.71	16.78	14.85
WEIGHT - MEAN(gm)	0.00	52.00	73.48	94.28	108.94	127.19	138.86	144.08	154.08	153.00	96.51	101.05
- STD. DEV.	0.00	5.57	12.23	15.77	17.72	18.31	15.40	17.43	19.57	12.73	28.93	25.93

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	7	138	567	82	4	0	0	
% AT STAGE	0.00	0.00	0.88	17.29	71.05	10.28	0.50	0.00	0.00	

ROE MATURITY (FEMALE):

						SEX RATIO:				
	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL	
NO.	89	314	2	405		NO.	393	405	0	798
%	21.98	77.53	0.49	100.00		%	49.25	50.75	0.00	100.00
% SAMPLE WEIGHT	3.79	21.99	0.00	25.79		MEAN WEIGHT	97.72	104.28	0.00	101.05
						% SAMP. WT.	47.63	52.37	0.00	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 52 - KITKATLA INLET
 SAMPLE NUMBERS: 226, 145, 175, 140, 210, 208, 189, 201, 139, 278,
 171, 225, 186, 316, 187, 142
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 23/93 - APR 3/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	1	106	867	320	53	58	65	23	7	100	1600
% AT AGE	0.00	0.07	7.07	57.80	21.33	3.53	3.87	4.33	1.53	0.47	0.00	100.00
LENGTH - MEAN(mm)	0.00	164.00	178.67	187.00	196.00	203.89	209.55	213.15	218.17	220.14	192.39	191.60
- STD. DEV.	0.00	0.00	7.23	9.36	8.60	7.81	7.89	9.81	9.50	7.95	14.91	12.85
WEIGHT - MEAN(gm)	0.00	52.00	82.06	96.51	111.82	127.53	134.47	145.22	152.43	157.14	105.99	104.63
- STD. DEV.	0.00	0.00	12.45	16.46	16.59	19.45	16.37	20.98	21.12	15.94	27.28	23.41

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	1	1	4	50	1296	231	17	0	0	
% AT STAGE	0.06	0.06	0.25	3.13	81.00	14.44	1.06	0.00	0.00	

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ROE MATURITY (FEMALE):

	IMMATURE				SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL
	IMMATURE	MATURE	SPENT	TOTAL	NO.	%	MEAN WEIGHT	% SAMP. WT.				
NO.	27	792	6	825					774	825	1	1600
%	3.27	96.00	0.73	100.00					48.38	51.56	0.06	100.00
% SAMPLE WEIGHT	0.51	26.26	0.00	26.77								
					MEAN WEIGHT		98.78	110.18	53.00	104.63		
					% SAMP. WT.		45.67	54.30	0.03	100.00		

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 67 - LAREDO SOUND
 SAMPLE NUMBERS: 132,138,131,123,222,129,375,332,211,335,147,124
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 4/93 - MAR 19/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	18	56	721	141	21	31	143	11	8	49	1199
% AT AGE	0.00	1.57	4.87	62.70	12.26	1.83	2.70	12.43	0.96	0.70	0.00	100.00
LENGTH - MEAN(mm)	0.00	155.61	178.07	190.23	200.31	205.86	208.52	214.85	226.91	235.13	196.92	194.92
- STD. DEV.	0.00	10.89	11.83	10.75	9.79	9.55	12.28	10.58	15.59	7.16	19.66	15.90
WEIGHT - MEAN(gm)	0.00	52.72	84.71	102.87	121.31	133.14	135.84	148.89	174.09	197.00	115.61	112.11
- STD. DEV.	0.00	14.50	19.87	19.53	19.63	21.69	22.38	24.80	33.99	23.99	36.49	29.53

HJORT MATURITY STAGES:

	MATURITY STAGE								UNKNOWN	
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	1	1	0	204	857	134	2	0	0	
% AT STAGE	0.08	0.08	0.00	17.01	71.48	11.18	0.17	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
					NO.	%				
NO.	131	475	1	607			589	607	3	1199
%	21.58	78.25	0.16	100.00			49.12	50.63	0.25	100.00
% SAMPLE WEIGHT	4.61	22.09	0.00	26.70			103.78	120.42	66.00	112.11
					MEAN WEIGHT					
					% SAMP. WT.		45.47	54.38	0.15	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 72 - POWELL ANCHORAGE
 SAMPLE NUMBERS: 320, 350, 364, 128, 359, 216, 325, 311, 144, 347, 133, 353,
 351, 224, 227, 199, 334, 141, 303, 358, 329, 126, 134
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 2/93 - MAR 28/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	87	171	1369	225	35	45	227	27	11	103	2300
% AT AGE	0.00	3.96	7.78	62.31	10.24	1.59	2.05	10.33	1.23	0.50	0.00	100.00
LENGTH - MEAN(mm)	0.00	153.67	179.20	191.40	199.08	206.91	211.20	215.01	218.70	231.00	195.38	193.46
- STD. DEV.	0.00	11.59	11.65	11.24	11.98	15.41	12.24	11.90	11.19	10.09	18.35	17.07
WEIGHT - MEAN(gm)	0.00	50.38	85.59	106.47	120.74	136.80	144.09	152.38	158.96	175.09	114.03	111.20
- STD. DEV.	0.00	12.94	18.51	20.69	23.87	33.24	28.77	28.38	29.49	36.69	35.15	31.31

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	3	3	350	1724	220	0	0	0	
% AT STAGE	0.00	0.13	0.13	15.22	74.96	9.57	0.00	0.00	0.00	

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ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	203	1002	0	1205	NO.	1092	1205	3	2300
%	16.85	83.15	0.00	100.00	%	47.48	52.39	0.13	100.00
% SAMPLE WEIGHT	3.45	24.45	0.00	27.90	MEAN WEIGHT	103.09	118.72	44.67	111.20
					% SAMP. WT.	44.01	55.93	0.05	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 74 - THOMPSON BAY
 SAMPLE NUMBERS: 135, 94, 119, 118, 345, 337, 369, 348, 300, 367, 291, 130,
 116, 212, 295, 307, 343, 372, 297, 218, 146, 324, 305, 137,
 120, 127, 115, 344, 341, 219, 296, 333, 376, 356

SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 7/93 - MAR 26/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	171	211	2139	246	61	76	288	29	16	161	3398
% AT AGE	0.00	5.28	6.52	66.08	7.60	1.88	2.35	8.90	0.90	0.49	0.00	100.00
LENGTH - MEAN(mm)	0.00	151.68	179.63	191.30	198.19	207.75	211.47	217.53	222.31	228.81	194.03	192.62
- STD. DEV.	0.00	10.01	11.28	10.41	9.90	9.76	9.91	10.40	13.00	9.92	21.51	17.37
WEIGHT - MEAN(gm)	0.00	47.04	86.58	106.58	120.58	137.07	146.26	159.34	169.28	174.38	111.60	110.35
- STD. DEV.	0.00	12.27	17.93	19.64	22.27	23.97	21.34	25.49	31.42	32.45	37.76	31.76

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HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	12	29	13	311	2552	469	8	0	4
% AT STAGE	0.35	0.85	0.38	9.15	75.10	13.80	0.24	0.00	0.12

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ROE MATURITY (FEMALE):

	SEX RATIO:								
	IMMATURE	MATURE	SPENT	TOTAL	MALE	FEMALE	IMMATURE	TOTAL	
NO.	236	1503	1	1740	NO.	1630	1740	28	3398
%	13.56	86.38	0.06	100.00	%	47.97	51.21	0.82	100.00
% SAMPLE WEIGHT	2.53	24.87	0.00	27.40	MEAN WEIGHT	103.96	117.55	35.46	110.35
					% SAMP. WT.	45.19	54.54	0.26	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 77 - MILBANKE SOUND
 SAMPLE NUMBERS: 306,355,331,220
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 4/93 - MAR 16/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	11	23	232	42	7	11	55	4	0	15	400
% AT AGE	0.00	2.86	5.97	60.26	10.91	1.82	2.86	14.29	1.04	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.00	176.35	188.50	199.26	200.86	205.73	211.82	226.25	0.00	186.27	192.31
- STD. DEV.	0.00	11.50	10.16	11.36	10.80	9.01	8.51	10.57	15.67	0.00	18.33	16.06
WEIGHT - MEAN(gm)	0.00	57.82	77.91	99.64	117.38	116.86	123.64	141.47	182.75	0.00	100.60	106.68
- STD. DEV.	0.00	12.42	13.83	21.57	22.14	15.41	18.10	25.64	42.99	0.00	36.16	29.75

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	113	230	57	0	0	0	
% AT STAGE	0.00	0.00	0.00	28.25	57.50	14.25	0.00	0.00	0.00	

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ROE MATURITY (FEMALE):

	SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL	
	IMMATURE	MATURE	SPENT	TOTAL					
NO.	77	142	0	219	NO.	181	219	0	400
%	35.16	64.84	0.00	100.00	%	45.25	54.75	0.00	100.00
% SAMPLE WEIGHT	7.24	18.38	0.00	25.63	MEAN WEIGHT	100.30	111.96	0.00	106.68
					% SAMP. WT.	42.54	57.46	0.00	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 78 - DON PENINSULA
 SAMPLE NUMBERS: 122, 136, 114
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 16/93 - MAR 29/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	8	20	166	25	9	12	36	4	1	19	300
% AT AGE	0.00	2.85	7.12	59.07	8.90	3.20	4.27	12.81	1.42	0.36	0.00	100.00
LENGTH - MEAN(mm)	0.00	158.50	170.05	187.08	198.00	190.11	202.25	212.31	224.50	196.00	181.00	189.96
- STD. DEV.	0.00	15.61	15.30	15.85	15.78	21.37	17.55	19.91	19.49	0.00	25.01	21.00
WEIGHT - MEAN(gm)	0.00	55.38	68.75	95.96	115.04	94.22	113.83	144.89	178.25	118.00	88.63	101.89
- STD. DEV.	0.00	19.79	22.71	27.26	28.46	35.87	34.48	41.70	54.98	0.00	33.81	37.19

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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	252	43	0	0	0	
% AT STAGE	0.00	0.00	0.00	1.67	84.00	14.33	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL	
	IMMATURE	MATURE	SPENT	TOTAL					
NO.	3	160	0	163	NO.	137	163	0	300
%	1.84	98.16	0.00	100.00	%	45.67	54.33	0.00	100.00
% SAMPLE WEIGHT	0.28	27.23	0.00	27.52	MEAN WEIGHT	95.04	107.66	0.00	101.89
					% SAMP. WT.	42.59	57.41	0.00	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 85 - KWAKSHUA CHANNEL
 SAMPLE NUMBERS: 330,125
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 6/93 - MAR 16/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	3	31	109	26	4	4	10	2	0	11	200
% AT AGE	0.00	1.59	16.40	57.67	13.76	2.12	2.12	5.29	1.06	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	151.67	174.52	184.70	195.00	201.25	200.00	202.60	202.00	0.00	186.09	185.74
- STD. DEV.	0.00	5.69	9.26	10.02	11.42	15.54	9.97	9.01	5.66	0.00	16.30	13.46
WEIGHT - MEAN(gm)	0.00	48.67	78.45	95.77	110.62	119.25	126.25	128.50	120.00	0.00	96.00	97.28
- STD. DEV.	0.00	7.64	15.37	19.47	20.09	31.36	20.29	16.71	11.31	0.00	22.37	23.42

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	84	115	0	1	0	0	
% AT STAGE	0.00	0.00	0.00	42.00	57.50	0.00	0.50	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL
					NO.	%	MEAN WEIGHT	% SAMP. WT.				
NO.	36	58	1	95					105	95	0	200
%	37.89	61.05	1.05	100.00					52.50	47.50	0.00	100.00
% SAMPLE WEIGHT	7.73	16.64	0.00	24.37					91.47	103.71	0.00	97.28
									49.36	50.64	0.00	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 102 - TAKUSH HARBOUR
 SAMPLE NUMBERS: 121
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 15/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	4	31	19	8	8	19	2	0	9	100
% AT AGE	0.00	0.00	4.40	34.07	20.88	8.79	8.79	20.88	2.20	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	173.50	182.29	187.84	189.75	193.88	195.95	208.50	0.00	182.33	187.64
- STD. DEV.	0.00	0.00	13.18	11.70	13.41	18.65	12.45	10.95	2.12	0.00	9.99	13.79
WEIGHT - MEAN(gm)	0.00	0.00	78.25	87.00	99.32	105.38	105.63	113.58	145.50	0.00	88.00	98.26
- STD. DEV.	0.00	0.00	24.19	20.20	22.74	31.04	23.61	21.65	19.09	0.00	16.43	24.86

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	0	8	85	7	0	0	0	
% AT STAGE	0.00	0.00	0.00	8.00	85.00	7.00	0.00	0.00	0.00	

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ROE MATURITY (FEMALE):

						SEX RATIO:			MALE	FEMALE	IMMATURE	TOTAL
	IMMATURE	MATURE	SPENT	TOTAL		NO.	%					
NO.	7	33	0	40		60	40	0	60	40	0	100
%	17.50	82.50	0.00	100.00		60.00	40.00	0.00	60.00	40.00	0.00	100.00
% SAMPLE WEIGHT	3.93	21.92	0.00	25.85		MEAN WEIGHT	95.03	103.10	95.03	103.10	0.00	98.26
						% SAMP. WT.	58.03	41.97	58.03	41.97	0.00	100.00

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Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 132 - DEEPWATER BAY

SAMPLE NUMBERS: 108

SOURCE: TEST FISHING

GEAR: HERRING SEINE

DATE: MAR 11/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	10	40	35	2	1	2	2	0	0	8	100
% AT AGE	0.00	10.87	43.48	38.04	2.17	1.09	2.17	2.17	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	157.40	169.82	180.14	196.00	189.00	208.50	198.50	0.00	0.00	172.75	174.49
- STD. DEV.	0.00	12.92	12.84	13.77	5.66	0.00	13.44	13.44	0.00	0.00	10.85	15.93
WEIGHT - MEAN(gm)	0.00	55.80	66.50	80.60	114.50	82.00	136.00	115.50	0.00	0.00	73.50	74.41
- STD. DEV.	0.00	16.44	21.32	21.54	6.36	0.00	49.50	31.82	0.00	0.00	19.24	25.34

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	1	0	8	54	33	2	2	0	
% AT STAGE	0.00	1.00	0.00	8.00	54.00	33.00	2.00	2.00	0.00	

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ROE MATURITY (FEMALE):

	IMMATURE				SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL
	IMMATURE	MATURE	SPENT	TOTAL	NO.	%	MEAN WEIGHT	% SAMP. WT.				
NO.	1	42	1	44					55	44	1	100
%	2.27	95.45	2.27	100.00					55.00	44.00	1.00	100.00
% SAMPLE WEIGHT	0.33	21.62	0.00	21.95					68.89	82.11	39.00	74.41
									50.92	48.56	0.52	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 133 - LOUGHBOROUGH INLET

SAMPLE NUMBERS: 60

SOURCE: TEST FISHING

GEAR: HERRING SEINE

DATE: MAR 12/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	84	1	0	0	0	0	0	0	0	0	15	100
% AT AGE	98.82	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	106.55	136.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	104.67	106.56
- STD. DEV.	7.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.55	7.43
WEIGHT - MEAN(gm)	12.98	31.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.00	13.16
- STD. DEV.	2.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	3.20

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	57	42	0	0	0	0	0	0	1	
% AT STAGE	57.00	42.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	

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ROE MATURITY (FEMALE):

	IMMATURE				SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL
	IMMATURE	MATURE	SPENT	TOTAL	NO.	%						
NO.	13	0	0	13					14	13	73	100
%	100.00	0.00	0.00	100.00					14.00	13.00	73.00	100.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00								
					MEAN WEIGHT				13.14	15.77	12.70	13.16
					% SAMP. WT.				13.98	15.58	70.44	100.00

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Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 142 - BAYNES SOUND
 SAMPLE NUMBERS: 13, 3,117,322,327,340,374,373,360, 22, 4,203,328,354,
 366,293, 2, 21,103,112, 66,102,352,357, 1, 20, 8, 11
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 23/93 - MAR 6/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL

NO. AT AGE	0	330	1003	801	185	146	30	44	2	2	256	2799
% AT AGE	0.00	12.98	39.44	31.50	7.27	5.74	1.18	1.73	0.08	0.08	0.00	100.00

LENGTH - MEAN(mm)	0.00	163.81	187.28	198.27	207.04	211.92	218.57	219.25	229.00	221.00	192.21	191.59
- STD. DEV.	0.00	12.07	10.69	10.24	9.36	9.74	10.85	12.65	18.38	7.07	18.03	17.36

WEIGHT - MEAN(gm)	0.00	60.62	94.39	114.00	131.35	143.77	154.93	158.52	167.00	147.50	105.00	103.76
- STD. DEV.	0.00	14.07	18.15	20.52	22.50	23.59	24.86	28.57	12.73	7.78	33.04	30.61

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	

NO. AT STAGE	2	20	5	378	2089	291	14	0	0	
% AT STAGE	0.07	0.71	0.18	13.50	74.63	10.40	0.50	0.00	0.00	

ROE MATURITY (FEMALE):

					SEX RATIO:							
	IMMATURE	MATURE	SPENT	TOTAL					MALE	FEMALE	IMMATURE	TOTAL
NO.	198	1218	7	1423					1359	1423	17	2799
%	13.91	85.59	0.49	100.00					48.55	50.84	0.61	100.00
% SAMPLE WEIGHT	2.08	24.70	0.00	26.79					97.37	110.63	39.06	103.76
					MEAN WEIGHT				45.57	54.21	0.23	100.00
					% SAMP. WT.							

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 143 - QUALICUM
 SAMPLE NUMBERS: 28,109,294, 91
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 7/93 - MAR 18/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	72	133	111	25	25	3	3	0	0	28	400
% AT AGE	0.00	19.35	35.75	29.84	6.72	6.72	0.81	0.81	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	163.67	186.11	199.35	205.40	209.68	224.67	225.33	0.00	0.00	185.89	188.99
- STD. DEV.	0.00	11.41	11.23	9.35	7.60	11.50	9.29	6.66	0.00	0.00	22.24	18.62
WEIGHT - MEAN(gm)	0.00	60.08	89.08	112.80	122.12	136.96	164.00	172.00	0.00	0.00	91.61	96.86
- STD. DEV.	0.00	12.44	18.71	18.87	20.22	26.57	16.52	30.41	0.00	0.00	36.66	30.97

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	3	2	16	277	47	52	3	0	
% AT STAGE	0.00	0.75	0.50	4.00	69.25	11.75	13.00	0.75	0.00	

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ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL	
					NO.	%					
NO.	2	182	12	196			202	196	2	400	
%	1.02	92.86	6.12	100.00			50.50	49.00	0.50	100.00	
% SAMPLE WEIGHT	0.11	26.02	0.00	26.13			MEAN WEIGHT	87.36	107.22	41.00	96.86
							% SAMP. WT.	45.55	54.24	0.21	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 152 - POWELL RIVER
 SAMPLE NUMBERS: 70
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 10/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	1	72	16	4	0	0	0	0	0	0	7	100
% AT AGE	1.08	77.42	17.20	4.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	107.00	152.75	172.44	175.50	0.00	0.00	0.00	0.00	0.00	0.00	146.43	155.91
- STD. DEV.	0.00	7.74	12.36	6.45	0.00	0.00	0.00	0.00	0.00	0.00	10.28	13.08
WEIGHT - MEAN(gm)	14.00	44.04	62.06	64.00	0.00	0.00	0.00	0.00	0.00	0.00	39.14	47.08
- STD. DEV.	0.00	7.98	14.02	4.16	0.00	0.00	0.00	0.00	0.00	0.00	8.11	12.25

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	17	29	4	9	0	0	22	3	16	
% AT STAGE	17.00	29.00	4.00	9.00	0.00	0.00	22.00	3.00	16.00	

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ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
					NO.	%				
NO.	15	0	9	24			14	24	62	100
%	62.50	0.00	37.50	100.00			14.00	24.00	62.00	100.00
% SAMPLE WEIGHT	5.76	0.00	0.00	5.76			48.64	51.38	45.06	47.08
					MEAN WEIGHT					
					% SAMP. WT.		14.46	26.19	59.35	100.00

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Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 173 - YELLOW POINT
 SAMPLE NUMBERS: 83,309, 15,298, 97,113, 14, 96, 19, 27,
 18,302, 82,370,104
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 8/93 - MAR 19/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	372	460	359	75	72	20	9	6	0	127	1500
% AT AGE	0.00	27.09	33.50	26.15	5.46	5.24	1.46	0.66	0.44	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.23	184.70	197.62	207.19	216.15	217.45	227.89	224.33	0.00	178.53	184.44
- STD. DEV.	0.00	13.27	13.79	12.42	11.56	9.36	11.55	6.21	6.38	0.00	24.54	22.60
WEIGHT - MEAN(gm)	0.00	54.76	85.46	104.27	123.24	142.13	155.70	167.33	154.67	0.00	80.08	88.21
- STD. DEV.	0.00	14.15	19.60	22.16	25.63	26.09	21.92	16.70	15.91	0.00	34.02	33.46

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	5	3	59	774	163	456	39	1	
% AT STAGE	0.00	0.33	0.20	3.93	51.60	10.87	30.40	2.60	0.07	

ROE MATURITY (FEMALE):

					SEX RATIO:								
	IMMATURE	MATURE	SPENT	TOTAL					MALE	FEMALE	IMMATURE	TOTAL	
NO.	15	473	215	703					790	703	7	1500	
%	2.13	67.28	30.58	100.00					52.67	46.87	0.47	100.00	
% SAMPLE WEIGHT	0.30	19.29	0.00	19.58					MEAN WEIGHT	83.68	93.78	39.43	88.21
									% SAMP. WT.	49.96	49.83	0.21	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 181 - SWANSON CHANNEL
 SAMPLE NUMBERS: 326, 16, 17
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 24/93 - MAR 10/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	46	108	72	12	17	2	9	0	0	34	300
% AT AGE	0.00	17.29	40.60	27.07	4.51	6.39	0.75	3.38	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	172.02	189.81	199.56	204.42	213.76	205.50	222.44	0.00	0.00	195.41	193.08
- STD. DEV.	0.00	12.05	9.24	8.19	12.02	8.54	4.95	7.16	0.00	0.00	17.93	15.93
WEIGHT - MEAN(gm)	0.00	61.89	83.38	95.88	110.08	123.24	113.00	144.78	0.00	0.00	92.97	89.54
- STD. DEV.	0.00	11.56	12.68	13.26	28.15	21.93	21.21	15.13	0.00	0.00	25.73	23.97

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	2	0	25	56	27	190	0	0	
% AT STAGE	0.00	0.67	0.00	8.33	18.67	9.00	63.33	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE				SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL
	IMMATURE	MATURE	SPENT	TOTAL	NO.	%	MEAN WEIGHT	% SAMP. WT.				
NO.	16	32	90	138					161	138	1	300
%	11.59	23.19	65.22	100.00					53.67	46.00	0.33	100.00
% SAMPLE WEIGHT	2.70	5.35	0.00	8.05								

NO.
%
MEAN WEIGHT
% SAMP. WT.

161
53.67
87.02
52.16

138
46.00
92.87
47.71

1
0.33
35.00
0.13

300
100.00
89.54
100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 232 - MACOAH PASS
 SAMPLE NUMBERS: 101, 25, 85, 93, 77, 88, 79, 65, 78, 323, 371, 312, 23, 68,
 64, 61, 111, 310, 24, 76, 292, 106, 365, 81, 105, 63, 336, 288,
 89, 80, 319, 304, 69, 314, 363, 290, 90, 67, 301, 289, 321, 62

SOURCE: TEST FISHING

GEAR: HERRING SEINE

DATE: FEB 22/93 - MAR 13/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	135	1027	1558	285	316	184	315	35	18	310	4183
% AT AGE	0.00	3.49	26.52	40.23	7.36	8.16	4.75	8.13	0.90	0.46	0.00	100.00
LENGTH - MEAN(mm)	0.00	169.73	188.42	200.91	209.30	217.34	223.52	227.34	232.06	237.50	201.38	202.09
- STD. DEV.	0.00	11.57	9.70	8.96	9.44	8.82	7.92	8.77	8.51	10.61	19.64	17.03
WEIGHT - MEAN(gm)	0.00	71.18	98.70	122.99	141.05	159.54	169.68	179.80	188.86	196.11	125.75	126.75
- STD. DEV.	0.00	15.76	17.34	19.97	21.64	23.07	22.08	22.73	24.90	23.50	38.38	34.89

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HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	2	1	258	3338	556	28	0	0
% AT STAGE	0.00	0.05	0.02	6.17	79.80	13.29	0.67	0.00	0.00

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ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:			
					NO.	%	MALE	FEMALE
NO.	70	2163	1	2234			1948	2234
%	3.13	96.82	0.04	100.00			46.57	53.41
% SAMPLE WEIGHT	0.53	27.19	0.00	27.73			117.45	134.87
					MEAN WEIGHT		72.00	126.75
					% SAMP. WT.		43.16	56.83
							0.01	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 243 - SYDNEY INLET
 SAMPLE NUMBERS: 107
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 11/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	15	31	36	6	4	0	1	0	0	7	100
% AT AGE	0.00	16.13	33.33	38.71	6.45	4.30	0.00	1.08	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	171.53	186.23	200.42	205.83	218.50	0.00	227.00	0.00	0.00	197.14	192.77
- STD. DEV.	0.00	9.29	8.99	8.47	9.83	8.35	0.00	0.00	0.00	0.00	22.37	15.90
WEIGHT - MEAN(gm)	0.00	63.73	78.77	98.47	103.67	129.75	0.00	143.00	0.00	0.00	95.00	88.92
- STD. DEV.	0.00	11.71	12.39	12.42	7.42	9.54	0.00	0.00	0.00	0.00	27.24	21.10

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HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	1	4	1	0	0	75	19	0	
% AT STAGE	0.00	1.00	4.00	1.00	0.00	0.00	75.00	19.00	0.00	

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ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:	MALE	FEMALE	IMMATURE	TOTAL
NO.	4	0	38	42	NO.	56	42	2	100
%	9.52	0.00	90.48	100.00	%	56.00	42.00	2.00	100.00
% SAMPLE WEIGHT	0.69	0.00	0.00	0.69	MEAN WEIGHT	88.23	90.14	82.50	88.92
					% SAMP. WT.	55.57	42.58	1.86	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 252 - NOOTKA SOUND
 SAMPLE NUMBERS: 86, 92, 99
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 27/93 - MAR 8/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	16	86	135	14	8	1	4	0	0	36	300
% AT AGE	0.00	6.06	32.58	51.14	5.30	3.03	0.38	1.52	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	167.44	188.92	202.00	212.14	218.00	240.00	232.75	0.00	0.00	196.72	197.21
- STD. DEV.	0.00	11.82	9.72	9.05	8.86	10.07	0.00	5.06	0.00	0.00	15.41	15.07
WEIGHT - MEAN(gm)	0.00	66.44	99.35	124.10	145.71	163.50	190.00	193.00	0.00	0.00	112.17	115.70
- STD. DEV.	0.00	14.21	17.48	20.49	17.30	19.76	0.00	9.02	0.00	0.00	27.33	28.94

1995

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	1	14	266	19	0	0	0	
% AT STAGE	0.00	0.00	0.33	4.67	88.67	6.33	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
					NO.	%				
NO.	9	161	0	170			130	170	0	300
%	5.29	94.71	0.00	100.00			43.33	56.67	0.00	100.00
% SAMPLE WEIGHT	0.73	26.43	0.00	27.15			106.16	122.99	0.00	115.70
					MEAN WEIGHT					
					% SAMP. WT.		39.76	60.24	0.00	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 253 - ESPERANZA INLET
 SAMPLE NUMBERS: 110, 98, 84, 95
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: FEB 25/93 - MAR 10/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	20	156	159	16	6	7	4	0	0	32	400
% AT AGE	0.00	5.43	42.39	43.21	4.35	1.63	1.90	1.09	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	160.40	186.79	202.19	208.75	224.00	222.43	224.25	0.00	0.00	191.41	194.40
- STD. DEV.	0.00	9.02	10.03	8.28	10.43	8.60	6.92	6.40	0.00	0.00	19.66	16.00
WEIGHT - MEAN(gm)	0.00	54.85	92.07	118.13	138.75	168.50	172.43	172.50	0.00	0.00	103.81	106.73
- STD. DEV.	0.00	10.01	18.55	21.74	27.06	26.69	28.27	23.17	0.00	0.00	37.81	31.27

1996

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	0	0	2	22	272	26	78	0	0	
% AT STAGE	0.00	0.00	0.50	5.50	68.00	6.50	19.50	0.00	0.00	

1996

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:		MALE	FEMALE	IMMATURE	TOTAL
					NO.	%				
NO.	12	178	26	216						400
%	5.56	82.41	12.04	100.00						100.00
% SAMPLE WEIGHT	0.96	24.02	0.00	24.98						
					MEAN WEIGHT		98.35	114.77	59.40	106.73
					% SAMP. WT.		41.23	58.07	0.70	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 261 - OTHER AREA 26
 SAMPLE NUMBERS: 100
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 12/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	65	9	3	1	0	0	1	0	0	21	100
% AT AGE	0.00	82.28	11.39	3.80	1.27	0.00	0.00	1.27	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	152.91	182.44	193.67	213.00	0.00	0.00	233.00	0.00	0.00	153.29	158.27
- STD. DEV.	0.00	7.48	7.04	13.05	0.00	0.00	0.00	0.00	0.00	0.00	8.03	16.08
WEIGHT - MEAN(gm)	0.00	47.52	84.78	110.67	150.00	0.00	0.00	169.00	0.00	0.00	48.24	55.16
- STD. DEV.	0.00	7.95	11.94	35.53	0.00	0.00	0.00	0.00	0.00	0.00	8.80	23.17

HJORT MATURITY STAGES:

	MATURITY STAGE									
	1	2	3	4	5	6	7	8	UNKNOWN	
NO. AT STAGE	5	5	2	37	28	3	4	0	16	
% AT STAGE	5.00	5.00	2.00	37.00	28.00	3.00	4.00	0.00	16.00	

ROE MATURITY (FEMALE):

	IMMATURE				SEX RATIO:				MALE	FEMALE	IMMATURE	TOTAL
	IMMATURE	MATURE	SPENT	TOTAL	NO.	%	MEAN WEIGHT	% SAMP. WT.				
NO.	22	14	1	37					38	37	25	100
%	59.46	37.84	2.70	100.00					38.00	37.00	25.00	100.00
% SAMPLE WEIGHT	7.63	12.69	0.00	20.33					58.71	59.84	42.84	55.16
									40.45	40.14	19.42	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 272 - BROOKS BAY
 SAMPLE NUMBERS: 5, 9, 29
 SOURCE: TEST FISHING
 GEAR: HERRING SEINE
 DATE: MAR 2/93 - MAR 8/93

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	37	88	100	16	3	6	20	0	3	27	300
% AT AGE	0.00	13.55	32.23	36.63	5.86	1.10	2.20	7.33	0.00	1.10	0.00	100.00
LENGTH - MEAN(mm)	0.00	161.30	182.44	200.55	207.63	219.33	231.83	234.40	0.00	235.67	193.81	193.59
- STD. DEV.	0.00	8.83	10.06	10.24	10.76	7.23	7.14	7.60	0.00	11.02	25.40	22.33
WEIGHT - MEAN(gm)	0.00	61.57	91.93	125.44	134.69	172.00	199.33	205.95	0.00	215.67	117.33	115.71
- STD. DEV.	0.00	10.14	15.07	19.93	27.17	29.46	23.32	31.77	0.00	26.10	51.14	44.22

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HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	21	274	5	0	0	0
% AT STAGE	0.00	0.00	0.00	7.00	91.33	1.67	0.00	0.00	0.00

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ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL	SEX RATIO:			
					NO.	%	MALE	FEMALE
NO.	10	158	0	168			132	168
%	5.95	94.05	0.00	100.00			44.00	56.00
% SAMPLE WEIGHT	0.75	25.77	0.00	26.53			102.33	126.23
					MEAN WEIGHT		38.91	61.09
					% SAMP. WT.		0.00	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 273 - FORWARD INLET
SAMPLE NUMBERS: 10, 7, 6
SOURCE: TEST FISHING
GEAR: HERRING SEINE
DATE: MAR 1/93 - MAR 4/93

SPECIMENS AT EACH AGE:

	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	20	93	122	14	4	3	11	2	1	30	300
% AT AGE	0.00	7.41	34.44	45.19	5.19	1.48	1.11	4.07	0.74	0.37	0.00	100.00
LENGTH - MEAN(mm)	0.00	156.65	181.23	198.89	202.64	223.50	221.33	234.55	226.50	251.00	179.77	191.08
- STD. DEV.	0.00	7.65	9.67	9.47	11.27	7.94	7.09	6.58	6.36	0.00	22.39	19.80
WEIGHT - MEAN(gm)	0.00	57.40	89.18	114.80	120.86	174.25	155.67	184.55	156.00	237.00	86.93	104.97
- STD. DEV.	0.00	8.83	15.77	18.35	20.03	25.67	8.08	16.57	15.56	0.00	38.20	33.24

HJORT Maturity Stages:

	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	64	207	28	1	0	0
% AT STAGE	0.00	0.00	0.00	21.33	69.00	9.33	0.33	0.00	0.00

BOE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL
NO.	37	108	1	146	NO.	154	146	0	300
%	25.34	73.97	0.68	100.00	%	51.33	48.67	0.00	100.00
% SAMPLE WEIGHT	4.64	20.27	0.02	24.93	MEAN WEIGHT	99.53	110.71	0.00	104.97
					% SAMP. WT.	48.67	51.33	0.00	100.00

Table 14 (cont'd) Test Fishing Sample Summaries by Section

SECTION: 291 - OTHER AREA 29
SAMPLE NUMBERS: 12
SOURCE: TEST FISHING
GEAR: HERRING SEINE
DATE: MAR 11/93

SPECIMENS AT EACH AGE:

AGE

	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	6	36	28	5	13	2	5	0	0	5	100
% AT AGE	0.00	6.32	37.89	29.47	5.26	13.68	2.11	5.26	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	177.33	193.08	201.04	208.80	214.00	218.00	226.20	0.00	0.00	195.80	200.16
- STD. DEV.	0.00	6.38	8.64	9.70	4.82	7.39	4.24	5.76	0.00	0.00	7.60	13.64
WEIGHT - MEAN(gm)	0.00	64.00	84.03	95.18	109.20	114.62	132.00	134.40	0.00	0.00	87.40	94.83
- STD. DEV.	0.00	7.43	12.68	12.37	4.60	13.56	8.49	11.01	0.00	0.00	12.58	20.21

HJORT Maturity Stages:

MATURITY STAGE

	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	1	0	30	69	0
% AT STAGE	0.00	0.00	0.00	0.00	1.00	0.00	30.00	69.00	0.00

ROE Maturity (Female):

SEX RATIO:

	IMMATURE	MATURE	SPENT	TOTAL		MALE	FEMALE	IMMATURE	TOTAL
NO.	0	1	46	47	NO.	52	47	1	100
%	0.00	2.13	97.87	100.00	%	52.00	47.00	1.00	100.00
% SAMPLE WEIGHT	0.00	0.74	0.00	0.74	MEAN WEIGHT	92.38	98.32	58.00	94.83
					% SAMP. WT.	50.66	48.73	0.61	100.00

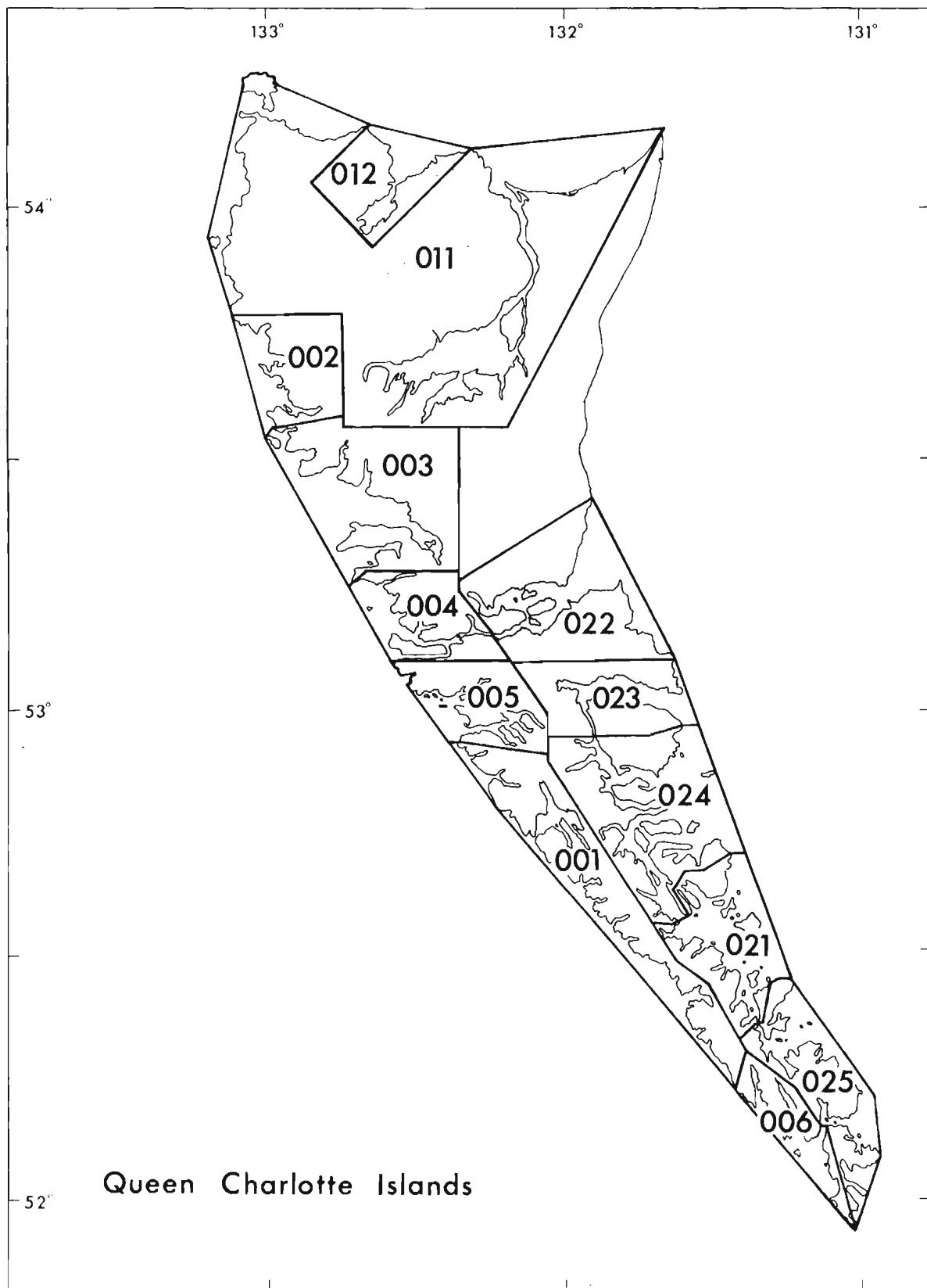


Fig. 1. Herring sections in the Queen Charlotte Islands region.

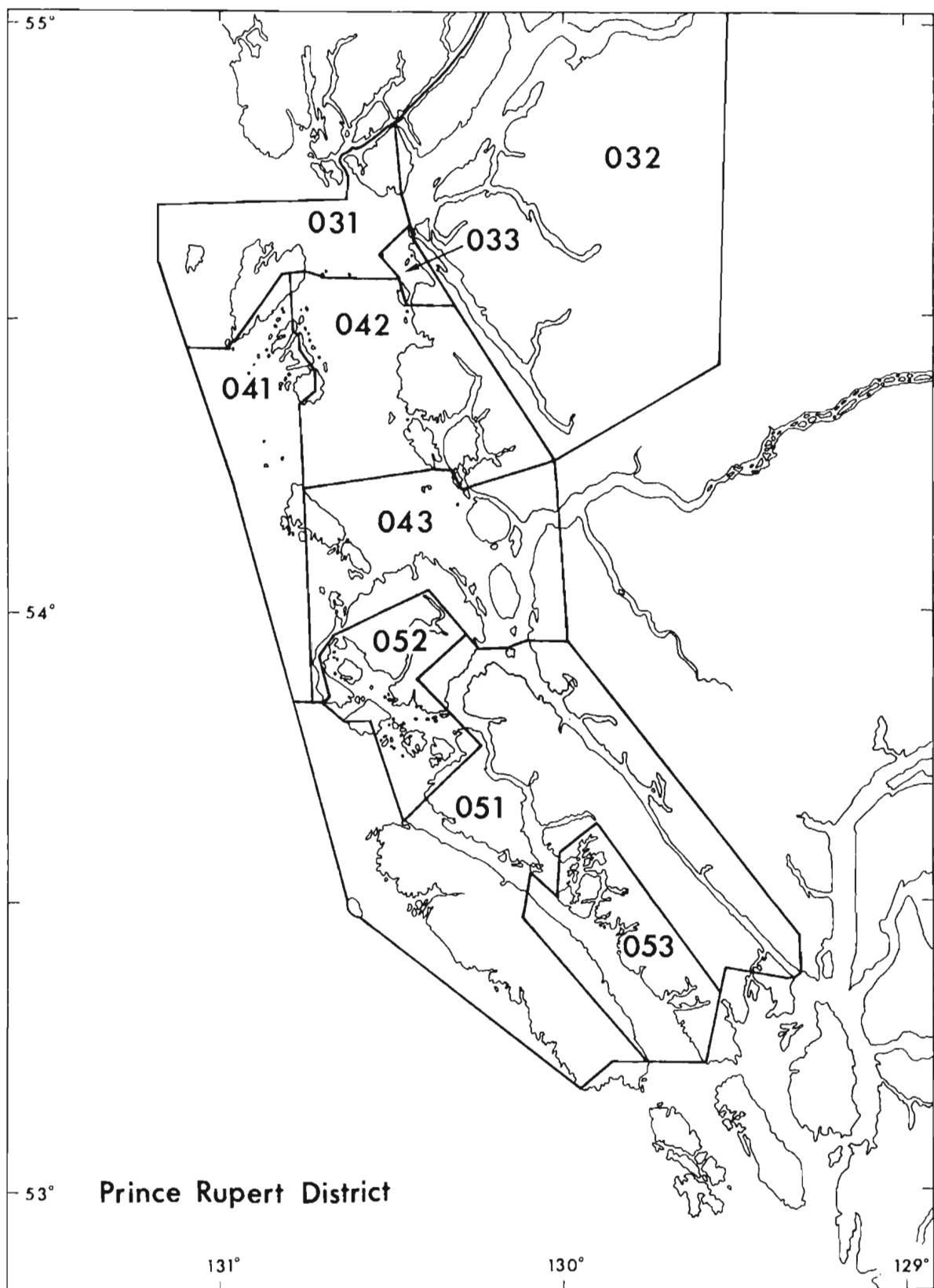


Fig. 2. Herring sections in the Prince Rupert District region.

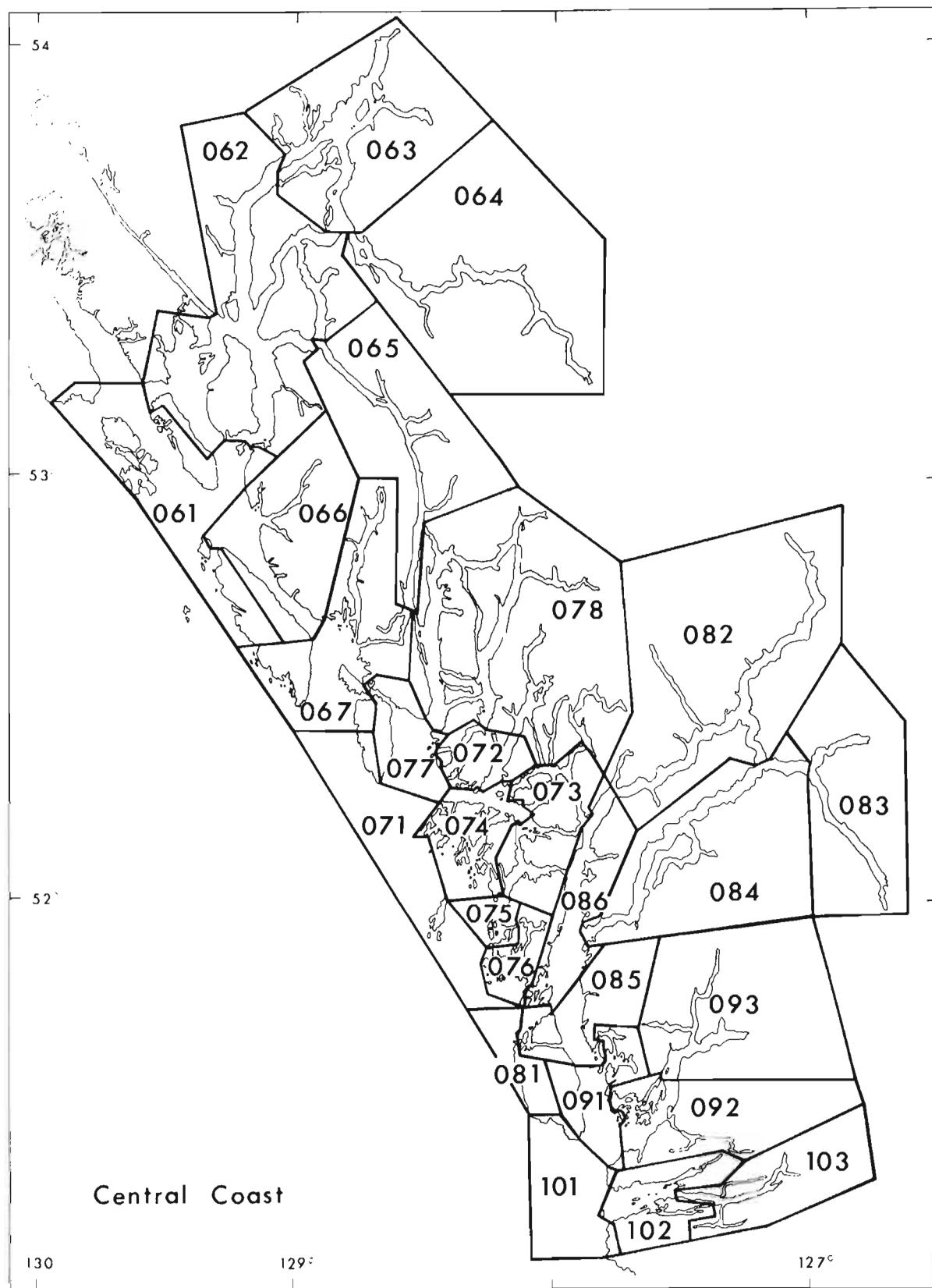


Fig. 3. Herring sections in the Central Coast region.



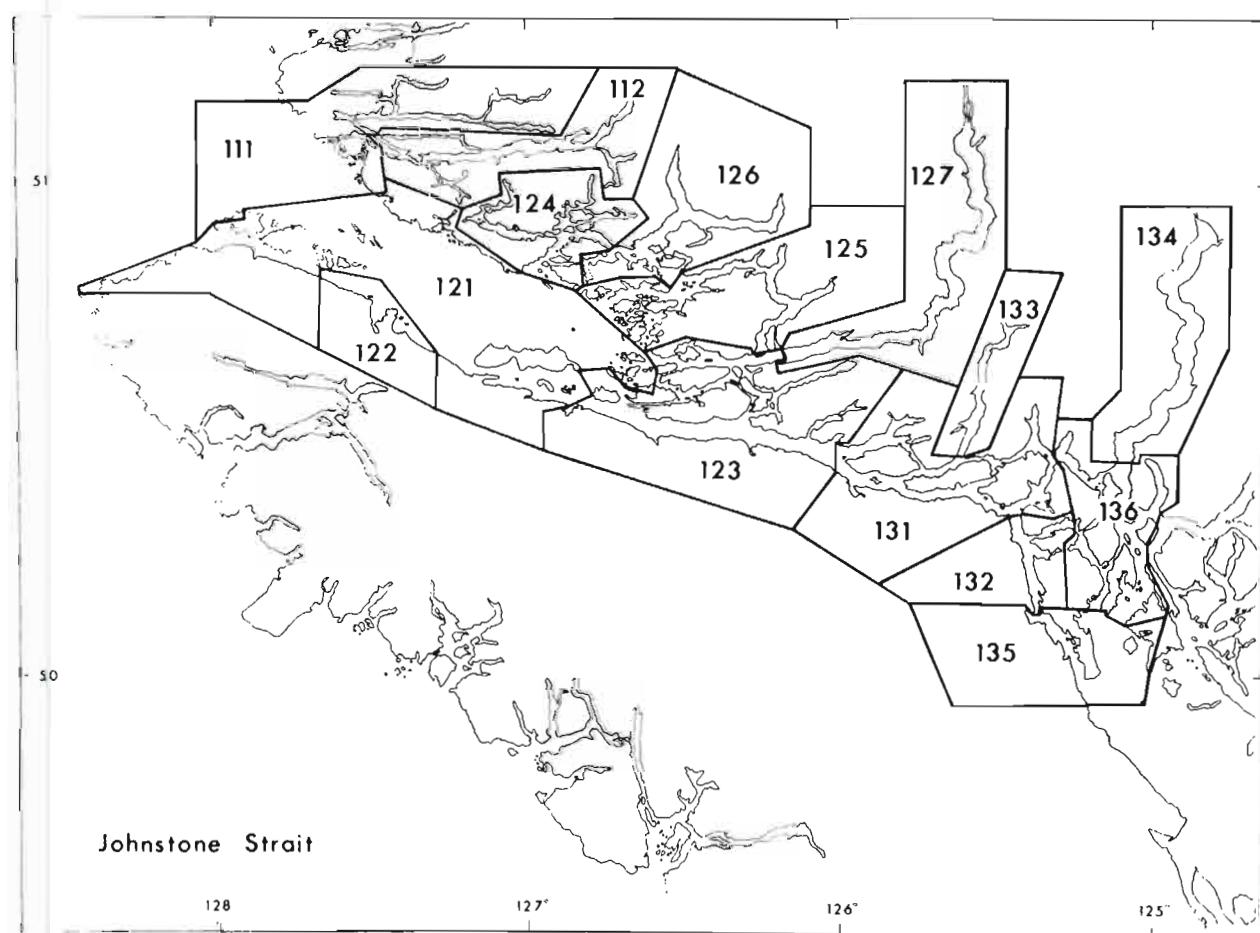


Fig. 4. Herring sections in the Johnstone Strait region.



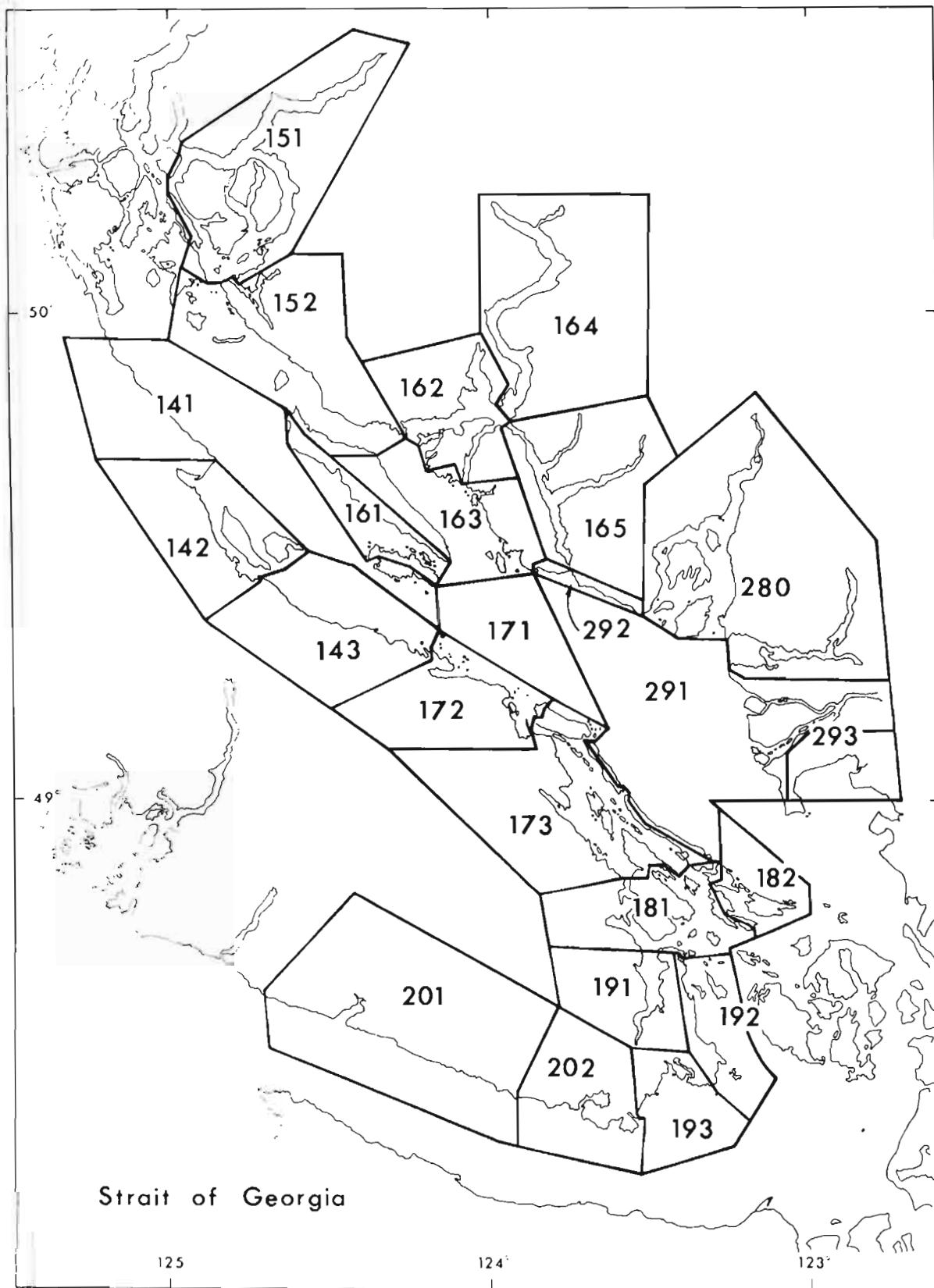
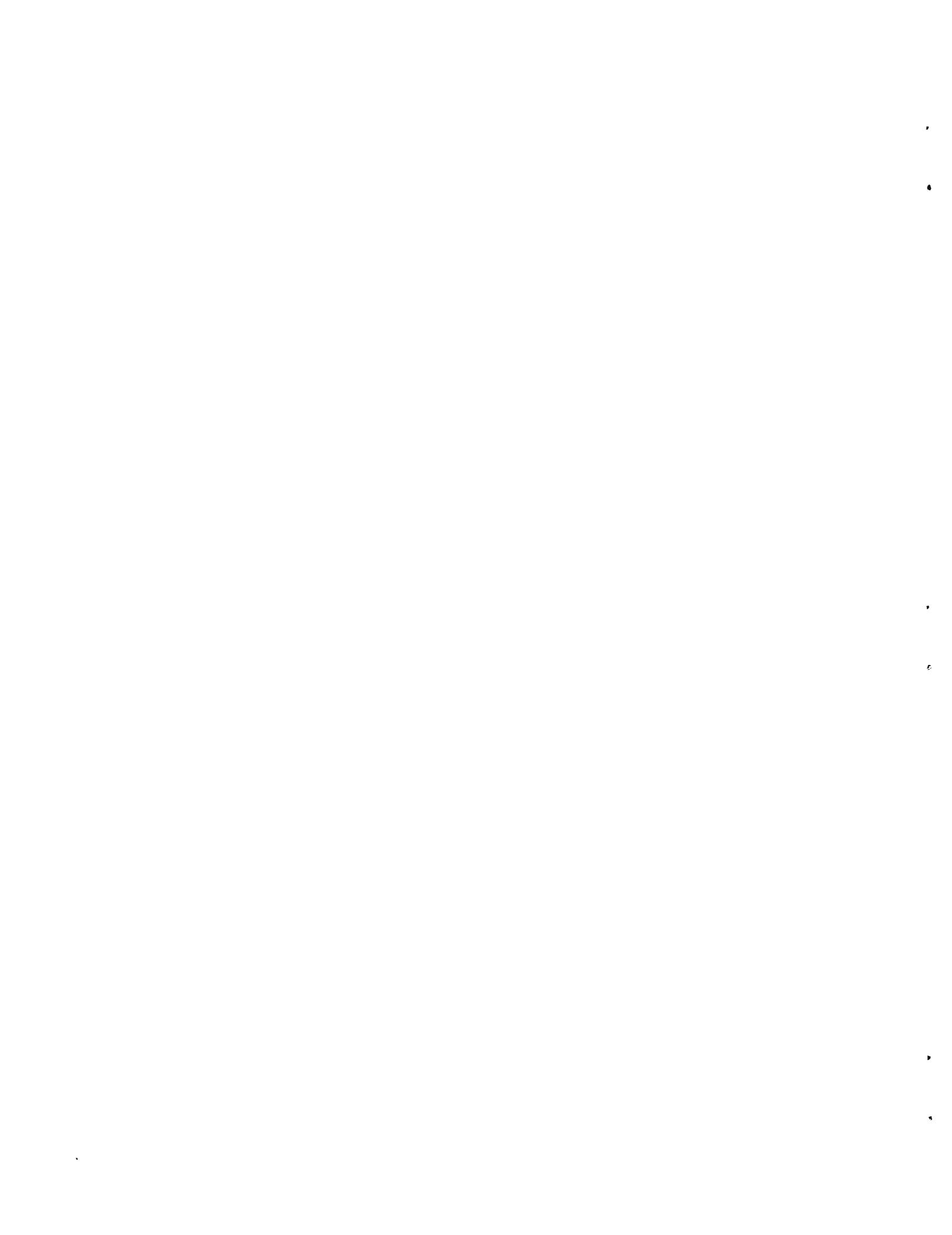


Fig. 5. Herring sections in the Strait of Georgia region.



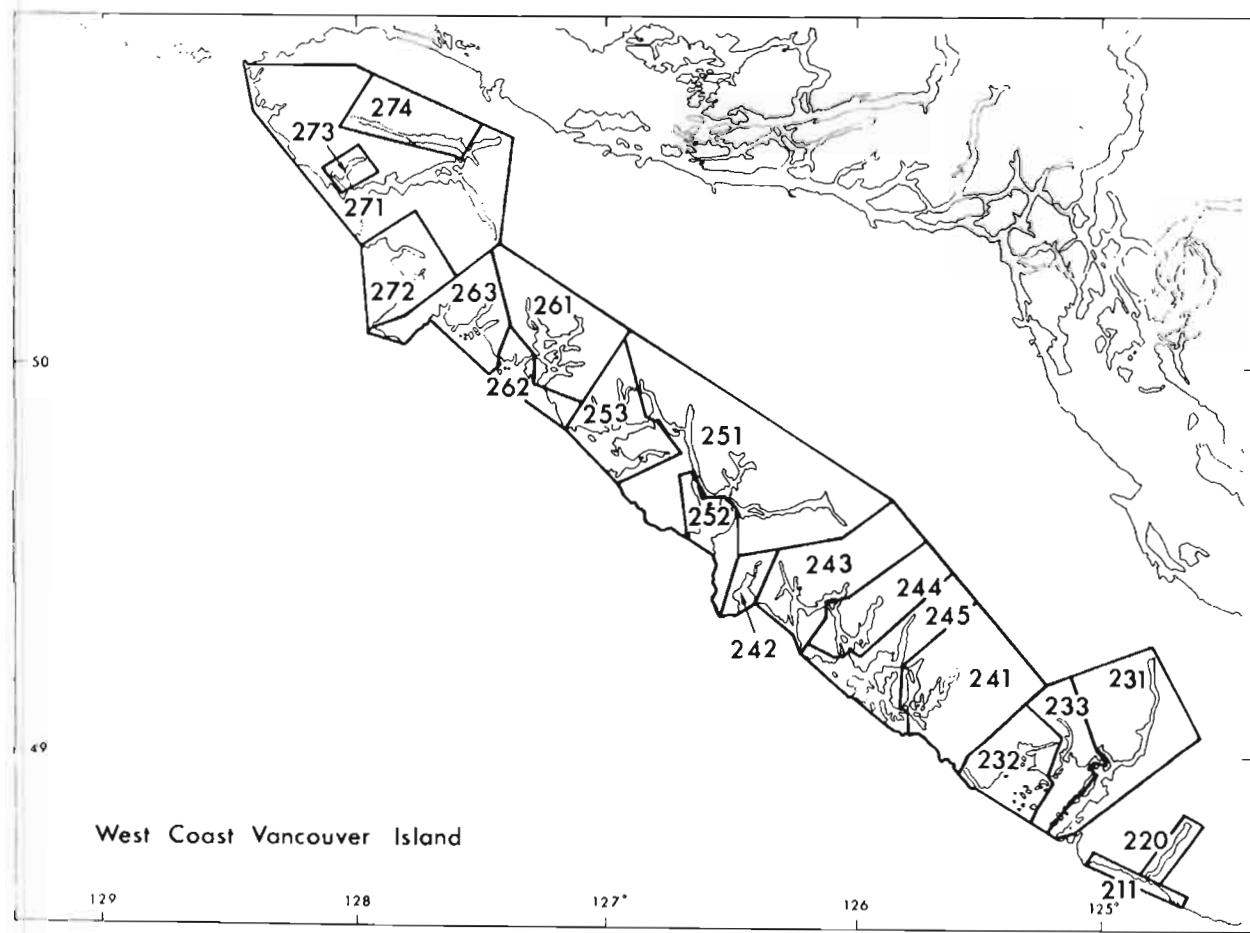


Fig. 6. Herring sections in the west coast of Vancouver Island region.



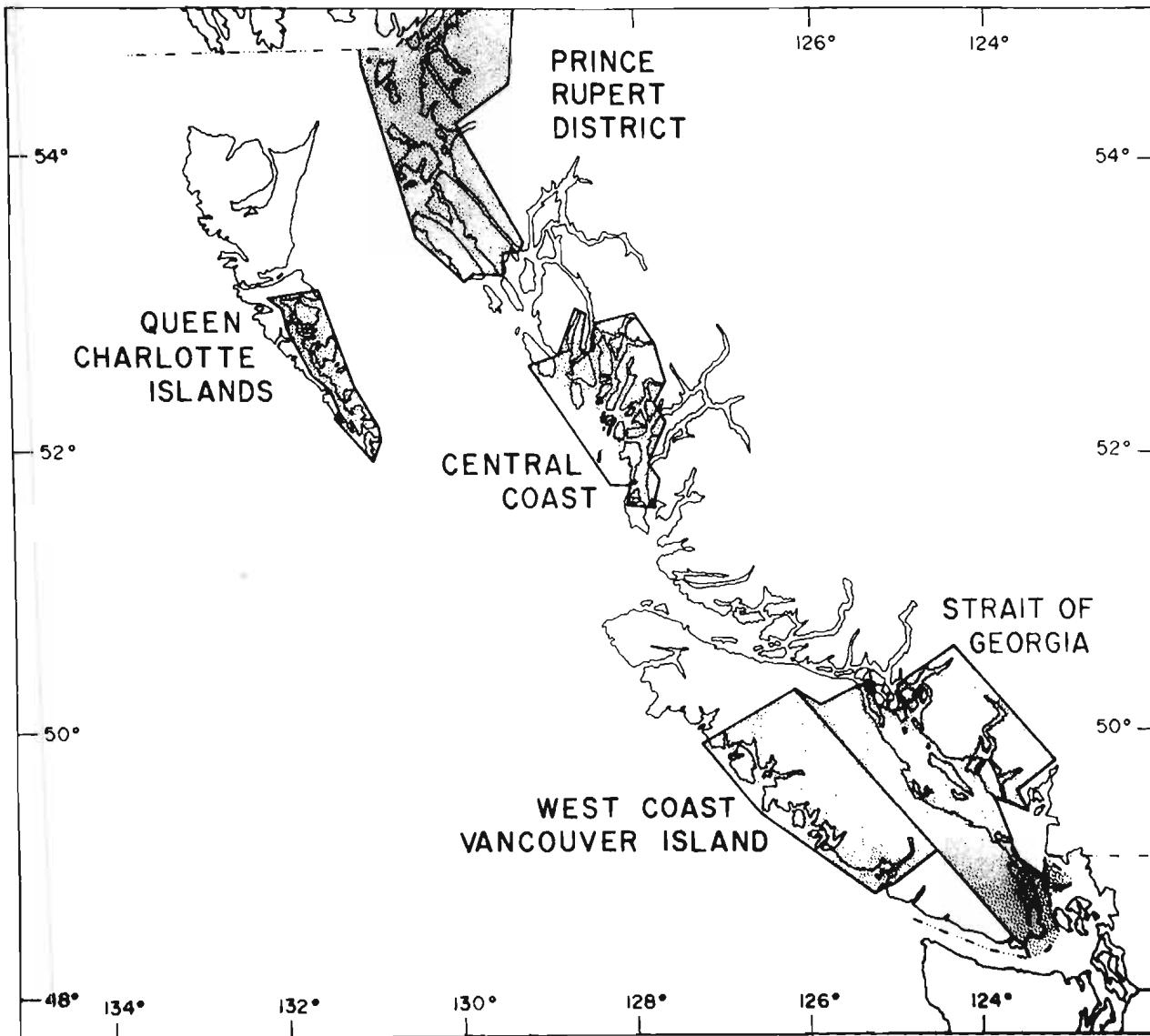


Fig. 7. Stock assessment regions in British Columbia.

