ADF&G TECHNICAL DATA REPORT NO. 71
(Limited Distribution)

STATE OF ALASKA
Jay S. Hammond, Governor

PACIFIC HERRING (Clupea harengus pallasi) AGE AND GROWTH ANALYSIS IN SOUTHEASTERN ALASKA FOR THE YEARS 1977, 1978, 1979, AND 1980

By:
Dennis Blankenbeckler
and
Robert Larson

April 1982

ALASKA DEPARTMENT OF FISH AND GAME
P.O. Box 3-2000, Juneau, Alaska 99802

Ronald O. Skoog
Commissioner

ADF&G TECHNICAL DATA REPORTS

This series of reports is designed to facilitate prompt reporting of data from studies conducted by the Alaska Department of Fish and Game, especially studies which may be of direct and immediate interest to scientists of other agencies.

The primary purpose of these reports is presentation of data. Description of programs and data collection methods is included only to the extent required for interpretation of the data. Analysis is generally limited to that necessary for clarification of data collection methods and interpretation of the basic data. No attempt is made in these reports to present analysis of the data relative to its ultimate or intended use.

Data presented in these reports is intended to be final, however, some revisions may occasionally be necessary. Minor revision will be made via errata sheets. Major revisions will be made in the form of revised reports.

PACIFIC HERRING *(Clupea harengus pallasi)* AGE AND GROWTH ANALYSIS IN SOUTHEASTERN ALASKA FOR THE YEARS 1977, 1978, 1979, AND 1980

By

Dennis Blankenbeckler

and

Robert Larson

Alaska Department of Fish and Game
Division of Commercial Fisheries
Ketchikan, Alaska 99901

April 1982

ABSTRACT

An analysis of Southeastern Alaska herring *(Clupea harengus pallasi)* age and growth is summarized since 1979 with data emphasis on the fishing years of 1978, 1979, and 1980. Samples were collected and analyzed from the commercial catch mid-water trawl, experimental gillnet, and small scaled purse seine. Laboratory analysis includes length, weight, age, maturity, and nematode occurrence of major stocks in Southeastern Alaska.

INTRODUCTION

This is the sixth in a series of Alaska Department of Fish and Game technical data reports that describe the age composition, length frequencies, growth of age classes, maturation, and parasite occurrence of the Pacific herring *(Clupea harengus pallasi)* stocks, by area, in Southeastern Alaska. Analysis of herring samples obtained during the 1976-77, 1977-78, 1978-79, and 1979-80 fishing seasons are contained herein and are intended to provide a basis for the discussion of stock trends.

METHODS

Collection of Herring

Herring samples for age and growth analysis were collected by: sampling the commercial catch, project trawling, variable mesh gillnet, or with a small project purse seine on the spawning grounds. The commercial catch was sampled either on the grounds from several sets or at the processors from a tender. The trawl samples were obtained from the National Marine Fisheries Service research vessel, JOHN N. COBB, or the State Fish and Game research vessel, STELLER. These samples are generally from more than one drag on a herring concentration. When the variable mesh gillnet was used, it was set for a very short period of time to help prevent saturation of any particular mesh size. When possible, repeated sets were made until a sufficient sample was obtained. The small project purse seine was utilized when fish were in the shallows during spawning. Samples for age and growth analysis were taken from several sets, separated either spatially or chronologically, whenever possible. All fish were either processed fresh or frozen for later examination in the laboratory.

Laboratory Methods

In the laboratory, herring were thawed immediately prior to examination. The length of each fish from the tip of the snout to the caudal peduncle was recorded to the nearest whole millimeter on a caliper measuring board. The weight was taken from an electronic balance to the nearest whole gram. Sex was determined by dissection, and a readable (non-regenerated) scale was selected for age determination.

Scales were cleaned and dipped in a solution of 10% mucilage glue and water and placed unsculptured side down for permanent mounting on glass slides. Aging was conducted using a dissecting microscope, varying the light source for optimum image of annuli. Scale reading results were spot-checked by a second reader for verification. The fish were assigned an anniversary date for each complete growing season. All samples collected were taken before growth had resumed in the spring. For example, if a herring was hatched in the spring of 1976 and collected in the fall of 1977, two growing seasons had occurred (age two). If the herring had been collected in the spring of 1978 (before growth had resumed), it was still recorded as age two. All scales and original data are filed and available for review upon request.

In order to supply rapid age frequency analysis, a field method utilizing plastic mylars was used. Approximately 100 herring were placed on mylar and standard lengths marked with a soft lead pencil. By calculating lengths versus age from previous laboratory analyses an overlay was prepared. This served as a rapid means of evaluating recruitment. An example of mylars and overlays is illustrated in Figure 1. The original mylars are on file in the Ketchikan office.

An index for maturity and incidence of nematodes was recorded for every fifth herring.

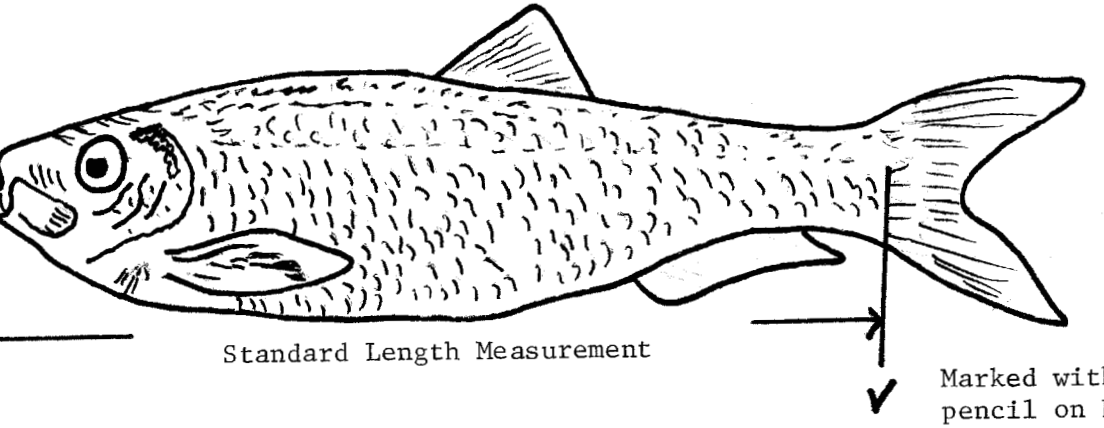
RESULTS

The results of the scale analysis are presented in ascending order, by year, within statistical sub-areas and are summarized in Appendix Table 1. The format includes: the name of the area, date of capture, the age classes present, the number of individuals in each age class, their mean length, standard deviation, and the percent composition of each age class. Also included is the sex ratio of the fish in the sample, when available, the average maturity index, the average nematode abundance index, and a comments section. A key to the maturity index and nematode abundance index is presented in Table 1. A summary of the areas sampled for age and growth is shown in Table 2. A map showing the location of the sampling areas is presented in Figure 2.

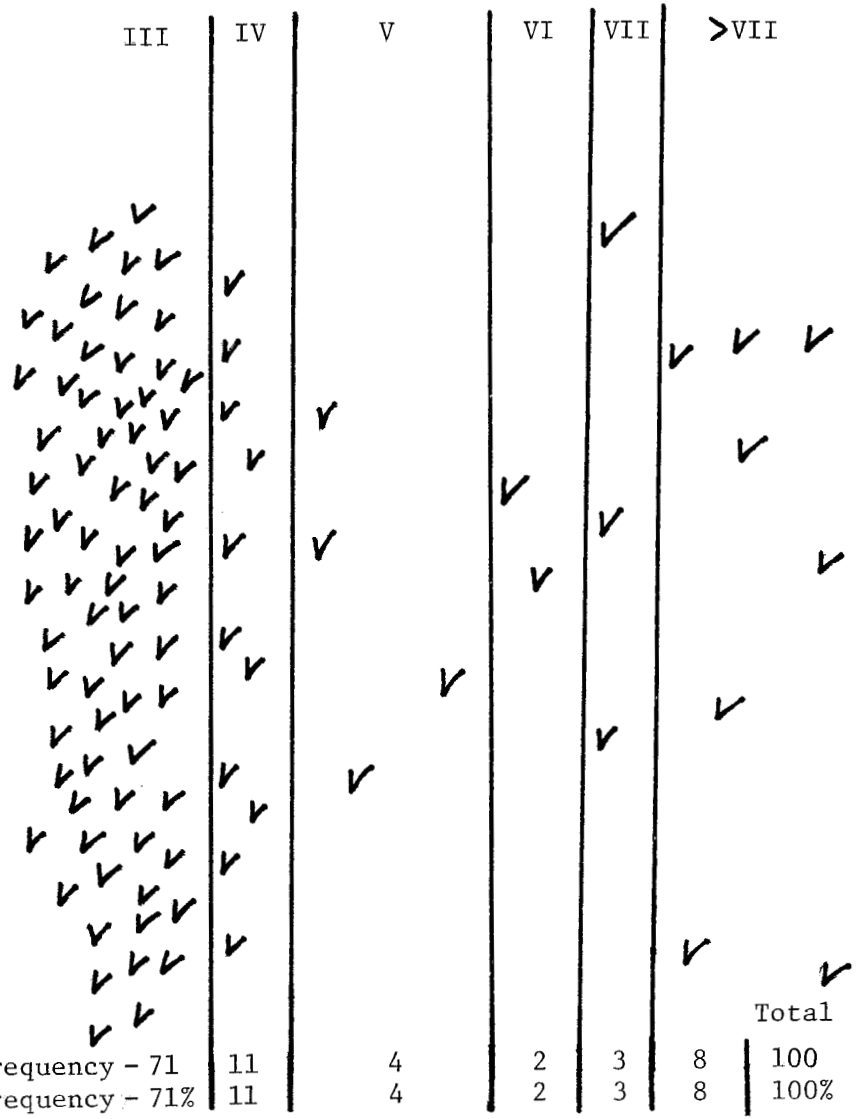
A summary of the age class composition by percentage of major wintering and spawning stocks is given in Appendix Table 2. Beginning with the 1969-70 fall, winter, and spring seasons, the percent age composition for herring within statistical sub-areas is summarized by: season, date of capture, calendar week number, gear type, percent age class and total frequency. The number calendar weeks for 1980 are listed in Table 3. The gear codes used in this report are slightly changed from previous reports to reflect current catch reporting codes. The gear codes used in this report are: 11, purse seine; 02, beach seine; 34, pound; 13, dip net; 20, variable mesh gillnet; 07, otter trawl; and 04, set gillnet.

Area - Boca de Quadra
Date - 3/21/81
Sample No. - 100
Gear - Project purse seine

Comments - Average lengths from laboratory age analysis from prior years data available for Boca de Quadra stock.



Standard Length Measurement



Marked with soft lead pencil on Herculene drafting film (mylar).

Figure 1. Mylar illustration used in field method of age analysis.

Table 1. Summary of maturity and nematode indexes used for Pacific herring samples in Southeastern Alaska, 1976 through 1980.

MATURITY STAGES

Coding	Stage	
1	I [1]	Virgin herring. Gonads very small, thread-like, 2-3mm broad. Ovaries wine red. Testes whitish or grey-brown.
2	II	Virgin herring with small sexual organs. The height of ovaries and testes about 2-8mm. Eggs not visible to naked eye but can be seen with magnifying glass. Ovaries a bright red color; testes a reddish grey color.
3	III	Gonads occupying about half of the ventral cavity. Breadth of sexual organs between 1 and 2 cm. Eggs small but can be distinguished with naked eye. Ovaries orange; testes reddish grey or greyish.
4	IV	Gonads almost as long as body cavity. Eggs larger, varying in size, opaque. Ovaries orange or pale yellow; testes whitish.
5	V	Gonads fill body cavity. Eggs large, round; some transparent. Ovaries yellowish; testes milkwhite. Eggs and sperm do not flow, but sperm can be extruded by pressure.
6	VI	Ripe gonads; eggs transparent; testes white; eggs and sperm flow freely.
7	VII	Spent herring. Gonads baggy and bloodshot. Ovaries empty or containing only a few residual eggs. Testes may contain remains of sperm.
8	VIII	Recovering spents. Ovaries and testes firm and larger than virgin herring in Stage II. Eggs not visible to naked eye. Walls of gonads straited; blood vessels prominent. Gonads wine red color. (This stage passes into Stage III.)

[1] When sex is undeterminate, code maturity as #1.

NEMATODE INDEX

1	No nematodes in abdominal cavity.
2	1-10 nematodes
3	11-20 nematodes
4	21-30 nematodes
5	31 and over

Table 2. Summary of age and growth analysis by area.

1976-1977 Season

Black Island	3/31/77
Black Island	4/1/77
Black Island	4/1/77
Thorne Arm	10/30/76
George Inlet	11/8,9,15/76
Tongass Narrows	11/17,19,22/76
Boca de Finas	1/30/77
Port Alice	2/9/77
Sea Otter Sound	2/13/77
Scow Bay	10/10,18/76
Deer Island	10/12/76
Anita Bay	11/5,8/76
Pt. Camden	10/19/76
Seymour Canal	5/9/77
Favorite Bay	12/8/76
Tenakee Inlet	10/30/76
Tenakee Inlet	11/14/76
Sitka-Mosquito Bay	4/6/77
Hoonah Sound	1/8/77
Lisianski Inlet	2/8/77
Lisianski Inlet	2/10/77
Idaho Inlet	1/6/77

1978-1979 Season

Spacious Bay	11/17/78
Kah Shakes	3/28,31/79
Helm Bay	4/24/79
Burroughs Bay	11/15/78
El Capitan	11/16/78
El Capitan	11/15/78
El Capitan	2/1/79
Anita Bay	11/15/78
Anita Bay	2/1/79
Fritz Cove	2/21/79
Seymour Canal	4/30/79
Seymour Canal	5/78
Hood Bay	11/15/78
Tenakee Inlet	2/2/79
Whale Bay	11/15/78
West Crawfish Inlet	11/15/78
Katlian Bay	11/18/78
Katlian Bay	2/28/79
Lisianski Inlet	11/15/78
Lisianski Inlet	2/1/79

1977-1978 Season

Pt. Sykes	3/30/78
George Inlet	10/31/77
Tongass Narrows	10/18/77
Behm Narrows	10/7/77
Bronson Bay	12/1/77
Nichols Bay	12/2/77
Port Bazan	2/5/78
Deer Island	10/3/77
Anita Bay	10/3/77
Stikine River Flats	1/6/78
Tebenkof Bay	11/77
Keku Straits	2/3/78
Port Camden	10/77
Fritz Cove	1/18/78
Auke Bay	2/6/78
Lynn Canal	4/78
Hawk Inlet	12/28/77
Tenakee Inlet	12/18/77
Kelp Bay	12/15/77
Whale Bay	10/31/77
Necker Bay	11/1/77
West Crawfish Inlet	11/2/77
Olga Straits	1/27/78
Sitka Sound	4/5/78
Lisianski Inlet	11/77
Lisianski Inlet	1/11/78
Eagle Pt.	12/77
Port Frederick	12/77

1979-1980 Season

Kah Shakes	3/27/80
Spacious Bay	10/14/79
Anchor Pass	10/14/79
Meares Passage	12/3/79
Meares Passage	12/3/79
Meares Passage	12/3/79
Anita Bay	10/15/79
Anita Bay	12/2/79
Gastineau Channel	2/8/80
Lynn Canal	2/26/80
Auke Bay	5/16/80
Seymour Canal	5/10/80
Tenakee Inlet	12/3/79
Tenakee Inlet	12/3/79
Necker Bay	10/15/79
Necker Bay	3/13/80
Crawfish Inlet	10/15/79
Crawfish Inlet	3/13/80
Sitka-Lisianski Pt.	3/4/80
Sitka-Black Can	3/11/80
Sitka-Middle Island	3/11/80
Lisianski Inlet	10/15/79
Port Frederick	12/3/79

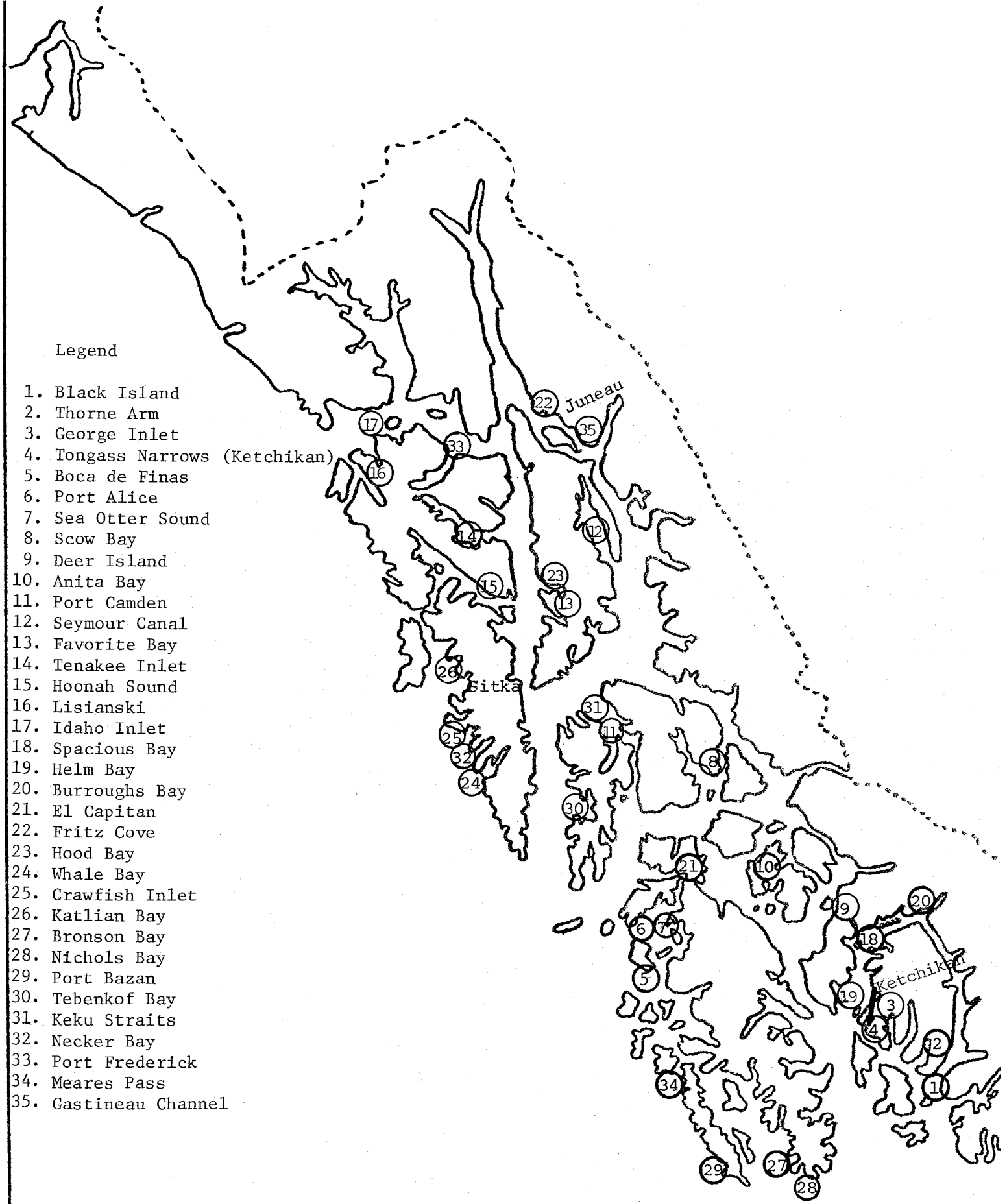


Figure 2. Fishing areas in Southeastern Alaska.

Table 3. 1980 calendar weeks.

THE NUMBERED CALENDAR WEEKS TO BE USED FOR THE 1980 CATCH STATISTICS ARE AS FOLLOWS:

Weeks	From	Thru	Weeks	From	Thru
1	January 1	January 5	28	July 6	July 12
2	January 6	January 12	29	July 13	July 19
3	January 13	January 19	30	July 20	July 26
4	January 20	January 26	31	July 27	August 2
5	January 27	February 2	32	August 3	August 9
6	February 3	February 9	33	August 10	August 16
7	February 10	February 16	34	August 17	August 23
8	February 17	February 23	35	August 24	August 30
9	February 24	March 1	36	August 31	September 6
10	March 2	March 8	37	September 7	September 13
11	March 9	March 15	38	September 14	September 20
12	March 16	March 22	39	September 21	September 27
13	March 23	March 29	40	September 28	October 4
14	March 30	April 5	41	October 5	October 11
15	April 6	April 12	42	October 12	October 18
16	April 13	April 19	43	October 19	October 25
17	April 20	April 26	44	October 26	November 1
18	April 27	May 3	45	November 2	November 8
19	May 4	May 10	46	November 9	November 15
20	May 11	May 17	47	November 16	November 22
21	May 18	May 24	48	November 23	November 29
22	May 25	May 31	49	November 30	December 6
23	June 1	June 7	50	December 7	December 13
24	June 8	June 14	51	December 14	December 20
25	June 15	June 21	52	December 21	December 27
26	June 22	June 28	53	December 28	December 31
27	June 29	July 5			

APPENDICES

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas.

BLACK ISLAND - 3/31/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	28	188.9	11.5	12
IV	13	205.5	9.8	5
V	41	217.1	12.1	17
VI	102	224.5	12.5	42
VII	39	231.8	13.2	15
VIII	14	238.2	7.7	6
IX	3	234	-	1
X	2	231	-	1
	242			

Average Maturity 5.69 Standard Deviation 1.29
Average Nematodes 2.73 Standard Deviation .90

BLACK ISLAND - 4/1/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
IV	1	204		.3
V	24	227.7	8.19	8
VI	136	231.4	8.50	46
VII	97	232.7	8.12	33
VIII	24	239.3	8.96	8
IX	11	241.7	10.72	4
X	5	238.8	7.76	2
	298			

Average Maturity Index 6.0 Standard Deviation .18
Average Nematode Index 2.97 Standard Deviation .78

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

BLACK ISLAND - 4/1/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
IV	2	218.5	2.12	1
V	15	224.9	13.33	8
VI	77	229.8	8.16	43
VII	61	234.6	10.46	34
VIII	10	233.5	7.50	6
IX	10	240.8	9.13	6
X	3	243.7	12.34	2
XI	1	260		1
	179			

Average Maturity 5.97 Standard Deviation .17
Average Nematodes 2.53 Standard Deviation .65

55% males, 45% females
The sample contains 232 males, 193 females. Sample collected from skiffs during gillnet fishery.

PT. SYKES - 3/30/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	10	181.6	9.3	8.3
IV	31	200.25	11.2	25.8
V	10	218.4	9.9	8.3
VI	29	227.5	12.33	24.1
VII	32	232.5	8.9	26.6
VIII	5	238.8	19.6	4.1
IX	3	241.7		2.5
	120			

Average Maturity Index 6.44 Standard Deviation .66
Average Nematode Index 2.82 Standard Deviation .96

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

SMUGGLERS COVE - 4/7/76

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
IV	9	187.9	6.43	5
V	73	203.0	8.38	44
VI	56	207.6	9.85	34
VII	19	220.6	10.35	11
VIII	6	229.0	7.97	4
IX	4	230.0	12.54	2
	167			

Average Maturity Index 5.0 Standard Deviation .00
Average Nematode Index 1.97 Standard Deviation .17

CRAB BAY - 4/7/76

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	1	151		1
III	7	179.6	5.71	2
IV	17	196.2	11.05	5
V	120	206.6	9.80	37
VI	116	212.8	11.45	36
VII	24	222.1	13.55	7
VIII	22	232.8	11.59	7
IX	11	233.7	7.99	3
X	2	233.0	7.07	1
X+	4	243.8	11.35	1
	324			

Average Maturity Index 4.83 Standard Deviation .51
Average Nematode Index 2.20 Standard Deviation .61

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

THORNE ARM - 10/30/76

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	70	174.3	11.4	20
IV	37	187.0	13.9	10
V	49	205.3	11.6	14
VI	82	210.4	10.8	23
VII	86	213.8	17.6	24
VIII	15	223.4	11.3	4
IX	8	234.0	15.2	2
X	5	242.6	6.3	1
XI	1	248		*
	353			

*less than 1%

Average Maturity Index 2.17 Standard Deviation .63
Average Nematode Index 2.23 Standard Deviation .95

Sex ratio of fish analyzed: 50% male, 50% female

GEORGE INLET - 11/8,9,15/76

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	130	175.0	11.9	36
IV	38	184.6	10.9	11
V	50	200.0	14.6	14
VI	66	209.7	10.8	18
VII	56	219.9	11.0	16
VIII	4	238.0	10.9	1
IX	8	232.1	7.8	2
X	2	249.0	4.2	1
XI	2	247.5	3.5	1
XIII	1	224	-	*
	357			

*less than 1% Sex ratio = 50% male, 50% female
Average Maturity Index 2.13 Standard Deviation .63
Average Maturity Index 1.99 Standard Deviation .89

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

GEORGE INLET - 10/31/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
I	1	219.0		.4
II	1	140.0		.4
III	32	174.2	16.5	13.6
IV	65	190.4	17.2	27.7
V	24	195.2	17.9	10.2
VI	21	206.7	11.7	8.9
VII	43	213.3	20.7	18.3
VIII	33	221.1	12.9	14.1
IX	7	220.3	12.0	2.9
X	4	207.5	30.2	1.7
XI	1	231.0		.4
XII	1	244.0		.4
XIII	1	208.0		.4
	234			

Sex composition = 45% males, 55% females

Average Maturity - 2.48 Standard Deviation - .51
Average Nematode - 1.87 Standard Deviation - .58

TONGASS NARROWS - 11/17,19,22/76

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	181	169.2	8.7	52
IV	57	176.6	10.7	16
V	57	189.8	11.9	16
VI	25	201.7	11.3	7
VII	21	103.5	10.4	6
VIII	3	216.3	2.5	1
IX	4	222.3	6.9	1
X	1	214	-	*
XI	1	222	-	*
	350			

*less than 1% Sex ratio - 50% males, 50% females

Average Maturity 1.89 Standard Deviation .59
Average Nematode 1.67 Standard Deviation .55

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

TONGASS NARROWS - 10/18/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	47	173.5	12.0	17.0
IV	108	185.1	13.3	39.0
V	39	193.7	13.0	14.1
VI	33	204.4	12.6	11.9
VII	21	213.5	12.1	7.6
VIII	22	212.9	12.4	7.9
IX	4	215.8	11.2	1.4
X	2	243.5		.7
XI	1	239		.4
	277			

Average Maturity Index 2.17 Standard Deviation .56
Average Nematode INdex 1.78 Standard Deviation .52

HELM BAY - 4/24/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	6	148.3	6.2	3.3
III	38	183.1	13.0	21.1
IV	31	201.4	9.3	17.2
V	46	215.8	8.8	25.6
VI	17	227.9	8.5	9.4
VII	20	232.8	9.0	11.1
VIII	10	229.1	9.3	5.6
IX	11	241.5	10.9	6.1
X	1	240		.06
	180			

Sex composition - 50% males, 50% females

Average Maturity Index 5.97
Average Nematode Index 1.81

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

BURROUGHS BAY - 11/15/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
IV	21	172.9	8.97	11.0
V	49	185.2	7.99	25.7
VI	43	194.4	11.92	22.5
VII	41	200.2	9.90	21.5
VIII	23	210.1	12.51	12.0
IX	12	212.4	14.09	6.3
X	2	225.0	32.53	1.0
	191			

Sex composition of total sample - 349 fish (54% males, 46% females)

Average Maturity Index 3.16 Standard Deviation .37
Average Nematode Index 2.25 Standard Deviation .44

BRONSON BAY - 12/1/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	2	182	22.6	.8
III	11	202	19.1	4.6
IV	66	199.1	12.7	27.4
V	40	209.1	13.6	16.6
VI	39	220.9	15.2	16.2
VII	41	228.5	16.1	17.0
VIII	22	229.5	15.1	9.1
IX	14	233.9	12.3	5.8
X	5	237.0	9.5	2.1
XI	1	249		.4
	241			

Average Maturity Index 2.9 Males - 95 (39%)
Average Nematode Index 2.8 Females -150 (61%)

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

BOCA de FINIS - 1/30/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
IV	8	194.3	15.74	3
V	20	210.1	10.37	6
VI	41	217.6	11.24	13
VII	66	223.5	10.72	21
VIII	53	226.0	12.14	17
IX	66	229.6	10.82	21
X	29	231.9	10.20	9
X+	27	229.9	15.29	9
	310			

Average Maturity Index 3.99 Standard Deviation .71
Average Nematode Index 2.60 Standard Deviation .67

PORT ALICE - 2/9/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	29	180.03	9.24	8
IV	107	190.68	10.51	30
V	46	199.76	12.65	13
VI	92	203.07	13.10	26
VII	41	209.00	14.37	12
VIII	16	221.13	12.40	4
IX	17	206.47	10.91	5
X	4	217.75	16.46	1
X+	4	210.75	1.50	1
	356			

Average Maturity Index 3.42 Standard Deviation .90
Average Nematode Index 2.04 Standard Deviation .59

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

SEA OTTER SOUND - 2/13/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	12	183.83	12.66	4
IV	44	198.82	12.24	15
V	96	212.35	11.38	34
VI	69	220.71	14.12	24
VII	22	230.0	16.15	8
VIII	18	237.94	15.81	6
IX	19	243.63	10.12	7
X	4	255	21.26	1
XI	1	251		
	285			

Average Maturity 3.26 Standard Deviation .97
Average Nematodes 3.5 Standard Deviation .94

EL CAPITAN - 11/16/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	9	143.0	12.35	12
III	39	155.9	12.63	53
IV	24	167.5	17.65	32
V	2	177.0	4.24	3
	74			

Sex composition of total sample collected - 45% males, 55% females
All of sample measured.

Average Maturity Index 2.2 Standard Deviation .55
Average Nematode Index 1.25 Standard Deviation .45

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

EL CAPITAN - 11/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	6	187.5	9.48	3.5
IV	36	195.3	19.54	21.2
V	48	218.2	13.59	28.2
VI	44	220.1	14.13	25.9
VII	23	227.7	12.35	13.5
VIII	11	229.5	17.72	6.5
IX	1	236		.6
X	1	220		.6
	170			

Sex composition of total sample (192 fish) - 43% males, 57% females

Average Maturity Index 3.1 Standard Deviation .40
Average Nematode Index 2.3 Standard Deviation .61

EL CAPITAN (Devilfish Bay) - 2/1/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	28	147.1	6.95	14
III	127	165.8	11.80	66
IV	20	177.9	14.39	10
V	5	181.4	12.07	3
VI	2	198.5	9.19	1
VII	5	200.0	5.15	3
VIII	2	187.0	9.90	1
IX				
X	1	192		
XI	1	191		> 2
	191			

Sex composition of total sample (355 fish) 51% males, 49% females

Average Maturity Index 3.0 Standard Deviation .92
Average Nematode Index 1.9 Standard Deviation .53

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

PORT BAZAN - 2/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	2	157.0	5.66	1
III	11	181.6	11.09	4
IV	57	196.1	8.67	20
V	68	205.1	16.56	24
VI	76	217.7	11.73	27
VII	45	217.8	10.32	16
VIII	16	220.9	13.65	6
IX	6	227.3	7.39	2
X	3	247.3	10.02	1
XI	1	256		<1
	285			

Sex ratio - 47% males, 53% females
Average Maturity Index 3.53 Standard Deviation .87
Average Nematode Index 2.30 Standard Deviation .79

SCOW BAY - 10/10,8/76

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
IV	22	188.1	9.41	6
V	44	194.3	11.94	13
VI	166	200.3	11.56	49
VII	42	206.2	12.74	12
VIII	14	213.0	14.37	4
IX	24	218.4	14.84	7
X	8	218.4	19.6	2
XI	11	222.3	17.78	3
XI+	11	225.8	18.36	3
	342			

Average Maturity Index 2.16 Standard Deviation .63
Average Nematode Index 1.38 Standard Deviation .55

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

DEER ISLAND - 10/12/76

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	1	175		<1
IV	12	191.75	18.12	4
V	55	202.76	13.88	18
VI	81	211.16	12.16	26
VII	83	214.80	11.96	27
VIII	30	216.70	15.15	10
IX	23	222.13	15.32	7
X	13	232.46	14.98	4
XI	6	237.00	8.76	2
XII	6	238.50	7.06	2
XIII	3	241.33	14.98	1
	313			

Average Maturity 2.25 Standard Deviation .78
Average Nematodes 1.40 Standard Deviation .53

50% males, 50% females

DEER ISLAND - 10/3/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
IV	16	199.3	15.5	6
V	16	222.8	13.1	6
VI	71	224.4	14.4	26
VII	75	227.4	10.6	27
VIII	66	231.1	14.5	24
IX	15	238.3	8.2	5
X	9	240.2	13.1	3
XI	3	240.0	5.6	1
XII	3	250.0	11.5	1
	274			

Sex ratio of fish analyzed - 46% males, 54% females

Average Maturity Index 2.61 Standard Deviation .62
Average Nematode Index 1.43 Standard Deviation .57

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

ANITA BAY - 11/5,8/76

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	5	185.0	15.43	1
IV	14	192.3	9.49	4
V	66	198.9	12.08	20
VI	92	203.7	12.50	27
VII	82	215.1	12.14	24
VIII	28	217.1	15.28	8
IX	26	225.6	10.86	8
X	12	224.9	15.37	4
X+	10	232.1	13.75	3
	335			

Average Maturity Index 2.09 Standard Deviation .63
Average Nematode Index 1.39 Standard Deviation .55

ANITA BAY - 10/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	10	190.0	15.54	3
IV	14	201.9	12.83	5
V	41	213.4	12.57	13
VI	100	212.2	11.54	33
VII	69	220.8	12.10	22
VIII	48	220.7	14.48	16
IX	16	228.0	10.44	5
X	8	224.0	9.02	3
XIII	1	230		<1
	307			

Average Maturity Index 2.07 Standard Deviation .26
Average Nematode Index 1.44 Standard Deviation .50

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

ANITA BAY - 11/15/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	1	155		.5
III	134	174.2	6.90	70.5
IV	51	179.8	9.27	26.8
V	3	185.7	17.16	1.6
VI	1	227		.5
	190			

Total sample - 419 fish (47% males, 53% females)

Average Maturity Index 2.59 Standard Deviation .50
Average Nematode Index 2.44 Standard Deviation .50

ANITA BAY - 2/2/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	37	183.7	6.31	32.5
IV	13	199.2	6.58	11.4
V	13	206.5	13.36	11.4
VI	20	217.1	10.26	17.5
VII	17	218.9	13.5	14.9
VIII	6	225.3	14.42	5.3
IX	7	236.6	14.19	6.1
X	1	254		.9
	114			

Sex ratio of sample - 50% male, 50% female

Average Maturity 2.67 Standard Deviation .58
Average Nematodes 1.71 Standard Deviation .46

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

ANITA BAY - 10/15/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	5	144.2		2
III	211	155.5		71
IV	58	174.3		20
V	14	185.0		5
VI	3	196.0		1
VII	3	191.0		1
VIII	1	199		<1
IX	1	225		<1
	296			

Sex ratio - 48.5% males, 51.5% females

Average Maturity Index 1.65 Standard Deviation .55
Average Nematode Index 1.28 Standard Deviation .45

ANITA BAY - 12/2/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	7	144.6	6.00	4
III	156	154.6	8.21	89
IV	12	167.3	14.59	7
V	1	189.0		1
	176			

Average Maturity Index 2.22 Standard Deviation .83
Average Nematode Index 1.17 Standard Deviation .38

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

STIKINE RIVER FLATS - 1/6/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	26	145.3	9.30	22
III	22	166.7	14.7	19
IV	37	181.8	16.38	32
V	7	196.4	13.81	6
VI	9	198.3	7.81	8
VII	9	203.1	8.07	8
VIII	5	213.6	13.83	4
IX	1	198		1
	116			

Average Maturity Index 1.95 Standard Deviation .84
Average Nematode Index 1.18 Standard Deviation .35

KEKU STRAITS - 2/3/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	2	176	1.4	.9
IV	9	205.3	18.8	4.2
V	18	210.3	11.0	8.5
VI	30	223.5	15.7	14.1
VII	70	230.9	13.1	32.9
VIII	22	241.9	9.1	10.3
IX	20	244.7	9.2	9.4
X	20	241.6	13.2	9.4
XI	15	243.3	13.3	7.0
XII	6	246.8	17.8	2.8
XIII	1	235		.5
	213			

Number/Percent Composition: Males - 109(51%), Females - 104(49%)
Average Maturity - 4.0 Average Nematode - 2.1

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

PORT CAMDEN - 10/19/76

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
V	1	223		.5
VI	21	215.6	22.26	10
VII	3	229.7	8.62	1
VIII	13	230.7	10.85	6
IX	27	231.4	17.4	13
X	24	242.5	11.09	12
XI	20	236.2	15.32	10
XII	84	241.0	13.18	42
XIII	5	246.6	6.11	2
XIV	2	254.0	21.21	1
XV				
XVI	1	226		.5
	201			

Average Maturity Index 2.39 Standard Deviation .54
Average Nematode Index 1.88 Standard Deviation .40

PORT CAMDEN 10/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	2	175.5	19.09	1
IV	2	217.5	19.09	1
V	14	213.9	8.69	6
VI	56	216.32	12.32	22
VII	84	219.8	15.00	34
VIII	72	222.0	11.70	29
IX	17	237.2	18.02	7
X+	3	225.0	14.11	1
	250			

Average Maturity Index 2.56 Standard Deviation .58
Average Nematode Index 1.44 Standard Deviation .54

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

TEBENKOF BAY - 11/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	124	153.4	8.3	46
III	90	159.6	14.48	34
IV	50	164.3	16.86	19
V	3	179.3	4.04	1
VI	1	170		.5
	268			

Average Maturity Index 1.65 Standard Deviation .70
Average Nematode Index 1.17 Standard Deviation .38

SEYMOUR CANAL - 5/9/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
IV	6	178.7	5.0	5
V	9	191.9	11.9	8
VI	42	192.5	13.1	38
VII	13	200.6	15.9	12
VIII	13	209.0	14.1	12
IX	15	204.3	14.3	14
X	3	201.7	13.8	3
XI	5	222.2	11.5	5
XII	4	213.5	11.3	4
	110			

Average Maturity 5.9
Average Nematode 1.3

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

KELP BAY - 12/15/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	5	168.40	5.94	3
III	113	175.7	9.37	66
IV	44	180.6	10.04	26
V	4	182.8	14.34	2
VI	2	194	9.90	1
VII	3	200.3	5.69	1
	171			

Average Maturity Index 2.97 Standard Deviation .71
Average Nematode Index 1.31 Standard Deviation .47

HOOD BAY - 11/15/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	55	127.0	9.21	29.7
III	44	165.4	15.68	23.8
IV	45	182.9	9.92	24.3
V	24	195.4	10.55	13.0
VI	5	210.4	8.20	2.7
VII	7	209.7	4.03	3.8
VIII	5	208.8	10.83	2.7
	185			

Sample sex ratio = 46% males, 54% females

Average Maturity Index 2.25 Standard Deviation .93
Average Nematode Index 1.63 Standard Deviation .54

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

WHALE BAY - 10/31/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	59	148.9	11.89	19
III	112	173.8	14.04	36
IV	45	184.1	19.9	14
V	56	202.6	10.37	18
VI	26	211.3	13.44	8
VII	8	210.3	10.38	3
VIII	3	210.0	15.1	1
IX	2	223.5	16.26	1
X	1	228		<1
	312			

Sample sex composition - 48% male, 52% female

Average Maturity Index 2.15 Standard Deviation .81
Average Nematode Index 1.67 Standard Deviation .70

WHALE BAY - 11/15/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	47	178.9	9.32	25.8
IV	84	189.5	8.68	46.2
V	22	203.1	9.29	12.1
VI	16	210.4	12.25	8.8
VII	10	220.6	8.29	5.5
VIII	2	222.5	9.19	1.1
IX	1	218		.5
	182			

Sex composition - 52% male, 48% females

Average Maturity Index 3.19 Standard Deviation .56
Average Nematode Index 2.34 Standard Deviation .53

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

NECKER BAY - 11/1/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	46	147.8	13.43	26
III	46	170.6	23.44	26
IV	30	192.7	18.63	17
V	37	204.0	15.41	21
VI	8	211.9	11.21	5
VII	3	222.3	11.72	2
VIII	2	237	1.41	1
IX	2	224	14.14	1
	174			

Average Maturity Index 2.35 Standard Deviation .95
Average Nematode Index 1.71 Standard Deviation .5

NECKER BAY - 10/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	1	180		1
IV	39	190.9	12.02	34
V	32	203.9	10.50	28
VI	12	214.6	8.69	11
VII	21	226.7	7.68	18
VIII	6	226.8	6.01	5
IX	2	223.0	1.41	2
X	1	240		1
	114			

Average Maturity Index 3.05 Standard Deviation .79
Average Nematode Index 2.32 Standard Deviation .48

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

WEST CRAWFISH INLET - 11/2/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	144	148.9	6.99	85
III	20	151.8	9.27	12
IV	4	151.3	5.32	2
V	1	147.0		1
	169			

Average Maturity Index 1.09 Standard Deviation .29
Average Nematode Index 1.21 Standard Deviation .41

WEST CRAWFISH INLET - 11/15/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	95	174.3	8.22	49
IV	83	180.2	8.52	43
V	14	184.9	7.16	7
VI	1	181		1
	193			

Sex composition of total sample (249 fish) - 51% male, 49% female

Average Maturity Index 2.77 Standard Deviation .55
Average Nematode Index 2.05 Standard Deviation .39

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

CRAWFISH INLET - 10/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	2	149.5	3.54	1
III	22	174.1	6.06	13
IV	115	183.3	8.88	65
V	31	190.9	9.28	18
VI	4	191.0	7.07	2
VII	2	221.5	3.54	1
	176			

Average Maturity Index 2.25 Standard Deviation .44
Average Nematode Index 2.22 Standard Deviation .54

SITKA MOSQUITO COVE - 4/6/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	43	185.95	11.91	14
IV	35	200.2	9.52	17
V	62	214.48	10.98	20
VI	38	221.45	11.54	12
VII	102	226.63	11.92	33
VIII	24	226.71	8.98	8
IX	3	214	7.94	1
X	4	237	10.3	1
XI	1	231		
	312			

Average Maturity Index 5.73 Standard Deviation .51
Average Nematode Index 2.78 Standard Deviation .81

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

OLGA STRAITS - 11/18/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	10	158.8	11.66	3
III	87	180.7	10.52	25
IV	99	190.1	10.92	29
V	50	204.1	11.80	15
VI	42	215.6	16.99	12
VII	17	221.5	14.06	5
VIII	33	231.6	12.07	10
IX+	4	228.3	8.34	1
	342			

Average Maturity Index 2.99 Standard Deviation .86
Average Nematode Index 2.26 Standard Deviation .73

SITKA (OLGA STRAITS) - 1/27/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	4	175.75	10.14	1
III	123	183.64	9.60	36
IV	92	198.34	11.99	27
V	20	209.5	12.03	6
VI	40	222.5	16.18	12
VII	27	225.0	14.51	8
VIII	31	232.8	10.33	9
IX	3	232.7	15.28	1
X	2	232.5	6.38	1
	342			

Sex composition of sample - 50% male, 50% female
Average Maturity Index 3.39 Standard Deviation .66
Average Nematode Index 2.33 Standard Deviation .67

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

SITKA - 4/5/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	144	187.7	8.63	59
IV	68	197.8	12.11	28
V	17	203.0	18.24	7
VI	6	219.8	12.35	2
VII	2	238.5	16.26	1
VIII	4	224.5	18.70	2
IX				
X	2	244.5	7.78	1
	243			

44% males, 56% females

Average Maturity Index 6.02 Standard Deviation .13
Average Nematode INdex 1.94 Standard Deviation .76

KATLIAN BAY - 2/28/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	1	149		.5
III	124	181.7	9.48	61.7
IV	60	190.7	8.15	29.9
V	7	193.6	13.6	3.5
VI	4	215.3	11.95	2.0
VII	2	214.5	24.8	1.0
VIII	3	229.3	7.37	1.5
	201			

Sex composition from random sample (226 fish) - 45% males
55% females

Average Maturity Index 3.36 Standard Deviation .76
Average Nematode Index 2.48 Standard Deviation .60

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

SITKA BLACK CAN - 3/11/80

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	31	169.9	7.07	15
IV	161	183.8	10.5	77
V	15	186.8	10.07	7
VI	1	203		<1
	208			

Sex composition - 51% males, 49% females

Average Maturity Index 3.83 Standard Deviation .77
Average Nematode Index 2.00 Standard Deviation .32

MIDDLE ISLAND - 3/11/80

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	1	141		1
III	40	175.1	7.88	24
IV	112	186.3	8.10	67
V	13	192.6	11.86	8
	166			

Sex ratio - 143 or 64% males and 79 or 36% females

Average Maturity Index 3.07 Standard Deviation .52
Average Nematode Index 1.95 Standard Deviation .47

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

KATLIAN - 2/28/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	8	156.0	9.4	4.0
III	147	180.9	9.6	73.5
IV	40	190.4	8.6	20.0
V	2	212	1.4	1.0
VI	1	215		.5
VII				
VIII	2	242	9.9	1.0
	200			

Sex composition - 50% male, 50% female

Age II - immature, Age III - 5% immature, 95% mature, Age IV+ - mature, Average Nematode Index - 2.08 Standard Deviation - .47

LISIANSKI POINT - 3/4/80

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	2	153.5	2.12	1.1
III	19	180.42	7.46	10.5
IV	110	194.27	9.67	61.1
V	30	197.97	11.03	16.6
VI	5	203.2	3.03	2.7
R	14			7.7
	180			99.7

Males (156) - 54.7%
Females (129) - 45.2

9 herring (3.1% of sample) had no apparent sexual development

Average Maturity Index 3.86 Standard Deviation .54
Average Nematode Index 1.94 Standard Deviation .58

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

LISIANSKI INLET - 2/10/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	1	164		.5
III	42	174.8	7.53	20
IV	82	189.1	10.19	39
V	56	195.0	9.13	26
VI	25	203.1	8.75	12
VII	6	209.2	20.94	3
	212			

Average Maturity Index 2.93 Standard Deviation .60
Average Nematode Index 2.10 Standard Deviation .53

LISIANSKI INLET - 11/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	42	155.0	11.28	18.6
III	156	167.2	10.74	69.0
IV	23	169.26	11.38	10.2
V	4	169.5	9.95	1.8
VI	1	177		.4
	226			

Sex composition - 50% males, 50% females

Average Maturity 2.24 Standard Deviation .66
Average Nematodes 1.90 Standard Deviation .66

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

HOONAH SOUND - 1/8/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
I	1	141		1
II	48	152.	10.95	33
III	66	162.2	12.32	45
IV	19	177.6	10.77	13
V	8	181.9	20.79	5
VI	4	196.0	8.04	3
VII	1	187		1
	147			

Average Maturity Index 1.57 Standard Deviation .79
Average Nematodes 1.39 Standard Deviation .57

74% of 2 boxes of samples discarded due to small size of fish. Ten random samples of 10 fish each taken from whole samples - average weight 35.86 grams.

LISIANSKI INLET - 2/8/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	41	150.58	9.72	24
III	76	167.66	15.00	44
IV	28	175.39	16.52	16
V	17	181.35	19.76	10
VI	6	192.17	12.19	1
VII	2	182.50	17.68	1
VIII	1			
	171			

Average Maturity 1.82 Standard Deviation .94
Average Nematodes 2.00 Standard Deviation .64

72% of sample discarded due to small size.

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

LISIANSKI INLET - 1/11/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	30	163.8	13.6	8
III	249	177.5	11.2	70
IV	53	182.9	11.6	15
V	9	197.1	13.6	3
VI	10	206.0	15.7	3
VII	1	221		*
VIII	4	208.3	16.0	1
	356			

*less than 1% Sex ratio - 50% male, 50% female
Average Maturity Index 2.72 Standard Deviation .75
Average Nematode Index 2.15 Standard Deviation .71

LISIANSKI INLET - 11/15/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	1	132		.8
III	44	174.3	9.7	35.2
IV	56	182.8	11.5	44.8
V	15	194.40	11.6	12.0
VI	2	209.5	.7	1.6
VII	4	211.3	13.0	3.2
VIII	1	208		.8
IX	1	236		.8
X	1	223		.8
	125			

Sex composition - 45% males, 55% females
Average Maturity Index 2.9 Standard Deviation .45
Average Nematode Index 2.3 Standard Deviation .47

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

LISIANSKI INLET - 2/1/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	1	165		.5
III	69	176.6	9.36	37.5
IV	93	185.8	9.0	50.5
V	10	195.8	8.63	5.4
VI	3	208.0	9.54	1.6
VII	3	198.7	3.51	1.6
VIII	5	218.4	9.63	2.7
	184			

Sex composition - 41% male, 59% female

Average Maturity Index 3.6 Standard Deviation .49
Average Nematode Index 2.5 Standard Deviation .51

LISIANSKI INLET - 10/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	18	172.5	4.18	6
IV	163	180.8	8.53	55
V	101	185.9	10.19	34
VI	8	200.0	14.14	3
VII	1	194		1
VIII				
IX	3	190	18.33	1
	294			

R - 6

Average Maturity Index 2.48 Standard Deviation .68
Average Nematode Index 2.35 Standard Deviation .52

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

IDAHO INLET - 1/6/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
I	7	138.43	8.00	4
II	131	141.88	8.67	80
III	21	147.24	14.56	13
IV	2	161.00	2.83	1
V	3	158.67	2.31	2
	164			

Average Maturity 1.25 Standard Deviation .57
Average Nematodes 1.78 Standard Deviation .49

86% of sample discarded due to small size (average weight 22.4 grams)

EAGLE POINT - Winter '77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	33	154.0	12.50	9
III	244	169.6	12.44	69
IV	53	174.6	12.92	15
V	12	169.8	12.00	3
VI	7	170.7	16.49	2
VII	6	176.8	16.12	2
VIII	1	163.0		
	356			

Average Maturity Index 2.13 Standard Deviation .60
Average Nematode Index 1.47 Standard Deviation .53

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

LYNN CANAL - 4/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	8	189.88	7.26	4
IV	6	203.67	13.37	3
V	7	207.0	15.11	3
VI	13	227.31	11.59	6
VII	33	222.91	10.96	15
VIII	25	233.56	13.72	12
IX	49	238.59	11.29	23
X	55	236.36	20.30	26
XI±	17	247.41	10.27	8
	213			

Average Maturity Index 5.98 Standard Deviation .15
Average Nematode Index 1.55 Standard Deviation .55

LYNN CANAL - 2/26/80

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	1	172		1
IV	38	187.6	6.94	22
V	32	200.6	8.97	19
VI	15	206.1	10.71	9
VII	20	215.8	10.50	12
VIII	29	225.8	10.65	17
IX	18	224.2	11.05	11
X+	18	234.1	11.33	11
	171			

Sex composition - 51% males, 49% females

Average Maturity Index 3.93 Standard Deviation .27
Average Nematode Index 1.55 Standard Deviation .56

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

AUKE BAY - 2/6/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	131	140.31	8.48	68
III	56	166.36	14.48	29
IV	6	179.83	6.05	3
	193			

Average Maturity 1.85 Standard Deviation 1.16
Average Nematode 1.18 Standard Deviation .39

FRITZ COVE - 2/21/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	3	154.0	10.5	1.5
III	142	169.1	8.3	71.0
IV	49	184.9	9.2	24.5
V	3	180.7	13.2	1.5
VI				
VII				
VIII	2	225	12.7	1.0
IX	1	194		.5
	200			

Males 50%, Females 50%

Maturity Average Index 3.8 Average Nematode Index 1.4
All age III fish will spawn

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

AUKE BAY - 5/16/80

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	47	158.9	10.55	47
IV	50	175.1	11.54	50
V	2	189.0	1.41	2
VI	0			
VII	0			
VIV	1	243		1
TOTAL	100			

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

SEYMOUR CANAL - 5/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	1	168		.5
III	17	177.2	10.34	8
IV	36	180.4	9.79	17
V	30	188.2	13.60	15
VI	17	198.7	11.57	8
VII	38	197.0	15.20	18
VIII	20	204.0	16.68	10
IX	16	208.5	14.25	8
X	16	210	16.71	8
X+	15	220.7	18.50	7
	206			

Average Maturity Index 5.76 Standard Deviation .58
Average Nematode Index 1.29 Standard Deviation .46

SEYMOUR CANAL - 4/30/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	7	183.4	4.1	3.9
IV	26	195.3	13.0	14.5
V	34	203.8	10.2	19.0
VI	14	208.0	12.3	7.8
VII	8	214.9	14.5	4.5
VIII	41	215.0	13.4	22.9
IX	12	214.6	11.3	6.7
X	12	225.3	8.6	6.7
XI	13	227.8	13.2	7.3
XII	9	227.3	14.4	5.0
XIII	2	233.5	5.0	1.1
XIV	1	257		.5
	179			

Sex composition - 50% male, 50% female

Average Maturity Index 5.69 Standard Deviation .47
Average Nematode Index 1.72 Standard Deviation .45

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

SEYMOUR CANAL - 5/10/80

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	50	159.3	11.09	53
IV	24	173.2	10.94	25
V	10	188.9	8.17	11
VI	3	198.0	13.75	3
VII+	8	210.4	19.12	8
TOTAL	95			

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

HAWK INLET - 12/28/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	41	158.6	13.24	11
III	264	175.2	13.26	74
IV	43	175.2	13.99	12
V	9	182.3	12.97	3
VI	1	167.0		.5
	358			

Average Maturity Index 2.14 Standard Deviation .42
Average Nematode Index 1.86 Standard Deviation .59

FAVORITE BAY - 12/8/76

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
IV	9	203.4	9.89	3
V	44	207.8	10.33	14
VI	68	208.2	13.63	21
VII	48	220.5	16.60	15
VIII	62	224.3	16.45	19
IX	65	229.8	13.45	20
X	15	227.2	18.46	5
X+	13	238.9	19.08	4
	324			

Average Maturity Index 2.85 Standard Deviation .68
Average Nematode Index 1.46 Standard Deviation .53

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

TENAKEE INLET - LONG BAY 10/30/76

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
V	4	186	11.58	7
VI	8	190.25	11.52	14
VII	11	193.00	11.21	20
VIII	17	188.18	10.61	30
IX	9	187.78	13.39	16
X	7	186.43	7.48	13
	56			

Average Maturity 2.44 Standard Deviation .53
Average Nematodes 1.33 Standard Deviation .50

60% of sample discarded due to decayed state of fish

TENAKEE INLET - 11/14/76

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	2	178.50	.71	2
IV	9	181.33	10.15	10
V	18	195.11	12.95	19
VI	20	193.35	8.18	22
VII	14	200.29	10.75	15
VIII	17	193.59	10.28	18
IX	12	197.42	7.96	13
X				
XI	1			1
	93			

Average Maturity 2.50 Standard Deviation .62
Average Nematodes 1.72 Standard Deviation .46

79% of sample discarded due to decayed state of fish

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

TENAKEE INLET - 12/18/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	15	163.0	9.51	4
III	242	176.8	10.43	68
IV	86	182.6	9.14	24
V	4	182.3	14.71	1
VI	5	191.2	14.39	1
VII	4	201.5	12.01	1
VIII	1	212		.5
IX	1	202		.5
	358			

Average Maturity Index 2.78 Standard Deviation .65
Average Nematode Index 1.18 Standard Deviation .56

TENAKEE INLET - 2/2/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	3	161.0	10.6	2
III	181	174.4	107.2	91
IV	13	175.0	12.4	7
V	1	183		1
	198			

Sample sex ratio - 50% male, 50% female

Average Maturity Index 2.63 Standard Deviation .77
Average Nematode Index 1.37 Standard Deviation .55

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

TENAKEE INLET - 12/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	39	162.6	10.05	13
IV	228	165.7	12.81	77
V	23	178.0	16.24	8
VI	5	172.2	6.76	2
VIII	1	191		.5
	296			

Average Maturity Index 2.47 Standard Deviation .72
Average Nematode Index 1.05 Standard Deviation .22
Average Maturity Index 2.03 Standard Deviation .32 (female)
Average Maturity Index 2.90 Standard Deviation .76 (male)

Sex ratio - 55% female, 45% male

TENAKEE INLET - 12/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	25	161.0	7.59	11
IV	183	166.4	12.72	80
V	15	176.2	14.69	7
VI	3	178.0	11.27	1
VII	2	206.5	17.68	1
	228			

Average Maturity Index 1.98 Standard Deviation .74
Average Nematode Index 1.04 Standard Deviation .20
Average Maturity Index 1.62 Standard Deviation .50 (female)
Average Maturity Index 2.43 Standard Deviation .75 (male)

12-R scales

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

TENAKEE INLET - 12/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	39	162.6	10.05	13
IV	228	165.7	12.81	77
V	23	178.0	16.24	8
VI	5	172.2	6.76	2
VIII	1	191		.5
	296			

Average Maturity Index 2.47 Standard Deviation .72
Average Nematode Index 1.05 Standard Deviation .22
Average Maturity Index 2.03 Standard Deviation .32 (female)
Average Maturity Index 2.90 Standard Deviation .76 (male)

Sex ratio - 55% female, 45% male

TENAKEE INLET - 12/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	25	161.0	7.59	11
IV	183	166.4	12.72	80
V	15	176.2	14.69	7
VI	3	178.0	11.27	1
VII	2	206.5	17.68	1
	228			

Average Maturity Index 1.98 Standard Deviation .74
Average Nematode Index 1.04 Standard Deviation .20
Average Maturity Index 1.62 Standard Deviation .50 (female)
Average Maturity Index 2.43 Standard Deviation .75 (male)

12-R scales

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

PORT FREDRICK - 12/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	29	154.2	14.73	8
III	261	170.46	11.44	76
IV	43	168.51	12.19	12
V	8	174.4	16.86	2
VI	2	199.5	21.92	1
VIII	1	217		.3
X	1	215		.3
	345			

Regenerate scales - 11 50% male, 50% female

Average Maturity Index 2.17 Standard Deviation .63
Average Nematodes 1.26 Standard Deviation .44

PORT FREDERICK - 12/3/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	2	149.5	3.54	1
III	85	161.9	9.37	29
IV	155	173.2	9.10	53
V	36	181.3	9.28	12
VI	11	185.0	12.96	4
VII	2	215.5	20.51	1
VIII	1	217		.3
	292			

Average Maturity Index 2.12 Standard Deviation .56
Average Nematode Index 1.35 Standard Deviation .48

Catch from vessel "Osprey" - Sex ratio=

Box 1	Box 2
90 males	117 males
112 females	131 females

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

KAH SHAKES - 1979 Combined Seine Samples

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	1	174		.3
III	41	198.2	5.7	11.5
IV	43	213.4	9.8	12.0
V	108	222.8	9.6	30.3
VI	32	235.2	9.5	9.0
VII	77	239.7	8.0	21.6
VIII	38	246.2	7.9	10.6
IX	11	249.2	11.6	3.1
X	5	261.4	7.0	1.4
XI	1	271		.3
	357			

Average Maturity 6.53 Standard Deviation .49
Average Nematodes 2.56 Standard Deviation .73

50% males, 50% females in lab analysis

KAH SHAKES - 3/27/80

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	204	181.3	14.21	71
IV	33	191.2	11.14	11
V	11	216.6	11.32	4
VI	7	228.1	6.99	2
VII	9	229.8	13.55	3
VIII	11	239.4	11.16	4
IX	7	236.3	6.07	2
X+	6	248.2	10.61	2
	288			

Average Maturity 6(all mature) Standard Deviation .63
Average Nematodes 2.09 Standard Deviation 0

Sex composition of sample: 166 or 55% males, 137 or 45% females

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

SPACIOUS BAY - 11/17/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
IV	18	187.50	11.93	15
V	36	198.81	14.53	30
VI	20	206.90	15.55	17
VII	28	213.79	10.18	24
VIII	11	223.45	12.14	9
IX	5	223.2	9.36	4
X	1			1
	119			

Average Maturity* 3.0 Standard Deviation .00
Average Nematodes 2.22 Standard Deviation .52

*8 are not computed

SPACIOUS BAY - 10/14/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	4	142.8	5.74	1
III	203	158.7	8.03	70
IV	49	172.1	12.95	17
V	14	191.5	8.53	5
VI	16	189.6	13.21	5
VII	3	207.3	14.05	1
VIII	1	218		<1
IX	1	232		<1
	291			

Sex ratio: 120 males (48%), 129 females (52%)

Average Maturity Index 2.07 Standard Deviation .41
Average Nematode Index 2.15 Standard Deviation .52

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

MEARES PASSAGE - 12/3/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	3	146.3	13.65	3
III	106	179.7	7.57	91
IV	5	185.0	4.90	4
VI	1	197		1
VIII	2	236	2.83	2
	117			

Average Maturity Index 2.67 Standard Deviation .92
Average Nematode Index 1.92 Standard Deviation .28
Average Maturity Index 2.08 Standard Deviation .29
(females only)
Average Maturity Index 3.25 Standard Deviation .97
(males only)

EAGLE POINT - 12/3/79 (Meares Passage)

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	2	150.5	4.95	1
III	209	174.5	8.40	90
IV	18	181.7	9.29	8
V	2	211	4.24	1
VIII	1	218		.5
	232			

Average Maturity Index 2.40 Standard Deviation .71
Average Nematode Index 1.81 Standard Deviation .54
Average Maturity Index 1.90 Standard Deviation .30
(females only)
Average Nematode Index 2.81 Standard Deviation .69
(males only)

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

NICHOLS BAY - 12/2/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	1	165		1
III	12	191.0	14.73	8
IV	32	203.9	23.54	21
V	24	213.0	29.32	15
VI	24	219.0	15.11	15
VII	32	232.6	14.01	21
VIII	20	228.4	12.45	13
IX	7	225.1	33.76	4
X+	4	244.5	9.88	3
	156			

Average Maturity Index 3.16 Standard Deviation .78
Average Nematode Index 2.9 Standard Deviation 1.16

MEARES PASSAGE - 12/3/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
IV	1	208		2
V	2	209.5	4.95	3
VI	6	221.5	9.16	9
VII	25	231.0	10.51	38
VIII	13	240.8	11.45	20
IX	9	236.6	10.62	14
X	3	226.3	5.03	5
XI	5	246.0	10.07	8
XII	2	256.0	11.31	3
	66			

Average Maturity Index 2.77 Standard Deviation .73
Average Nematode Index 3.54 Standard Deviation .52

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

FRITZ COVE - 1/18/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	21	176.4	12.1	6.4
IV	20	191.7	27.5	6.1
V	17	197.6	12.7	5.1
VI	19	215.0	9.8	5.8
VII	47	218.7	15.7	14.3
VIII	28	222.9	14.8	8.5
IX	48	230.3	14.0	14.6
X	74	229.7	14.2	22.6
XI	34	226.8	15.7	10.3
XII	13	239.0	14.7	3.9
XIII	4	237.3	10.7	1.2
XIV	2	233.0	2.8	.6
	327			

Sex compositon - 51% males, 49% females

Average Maturity Code - 3.94
Average Nematode Code - 1.58

GASTINEAU CHANNEL - 2/8/80

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	(19 fish without scales from 110-120mm/1 fish at 153mm)			14
III	67	160.8	13.39	45
IV	52	177.4	14.85	35
V	9	185.8	13.71	6
	148			

Sex composition: 50% males, 50% females

Average Maturity Index 2.93 Standard Deviation .66
Average Nematode Index 1.00 Standard Deviation .00

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

BEHM NARROWS - 10/7/77

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
III	3	176.67	13.50	3
IV	24	173.29	11.85	28
V	15	189.20	14.32	17
VI	28	191.25	12.88	32
VII	9	199.67	10.95	10
VIII	6	204.83	11.37	7
IX	2	196	24.04	2
	87			

Average Maturity 1.95 Standard Deviation .22
Average Nematodes 1.62 Standard Deviation .50

ANCHOR PASS - 10/14/79

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	3	140.0	2.65	5
III	46	147.7	6.89	70
IV	8	172.1	8.66	12
V	6	183.0	6.96	9
VI	2	197.5	30.4	3
VII				
VIII				
IX	1	219		2
	66			

Sex composition - 29 males (43%), 39 females (57%)

Average Maturity Index 1.50 Standard Deviation .52
Average Nematode Index 1.83 Standard Deviation .39

-Continued-

Appendix Table 1. Scale analysis in ascending order, by year, within statistical sub-areas (continued).

PORT BAZAN - 2/78

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
II	2	157.0	5.66	1
III	11	181.6	11.09	4
IV	57	196.1	8.67	20
V	68	205.1	16.56	24
VI	76	217.7	11.73	27
VII	45	217.8	10.32	16
VIII	16	220.9	13.65	6
IX	6	227.3	7.39	2
X	3	247.3	10.02	1
XI	1	256		<1
	285			

Sex ratio - 47% males, 53% females
Average Maturity Index 3.53 Standard Deviation .87
Average Nematode Index 2.30 Standard Deviation .79

SCOW BAY - 10/10,8/76

AGE CLASS	FREQUENCY	MEAN LENGTH	STANDARD DEVIATION	% COMPOSITION
IV	22	188.1	9.41	6
V	44	194.3	11.94	13
VI	166	200.3	11.56	49
VII	42	206.2	12.74	12
VIII	14	213.0	14.37	4
IX	24	218.4	14.84	7
X	8	218.4	19.6	2
XI	11	222.3	17.78	3
XI+	11	225.8	18.36	3
	342			

Average Maturity Index 2.16 Standard Deviation .63
Average Nematode Index 1.38 Standard Deviation .55

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks.

BLACK ISLAND, BULLHEAD COVE, KIRK POINT, KAH SHAKES COVE (101-25)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	DATE	PERIOD	GEAR	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1970-71	4-71	16	20	0.0	0.0	8.3	43.3	14.4	21.1	7.2	3.9	0.6	1.1	180
1972-73														
1973-74														
1974-75														
1975-76	4-76	14	4	0.0	0.0	0.0	1.6	21.3	45.9	22.1	4.9	4.1	0.0	122
	4-76	14	20	0.0	0.0	0.4	1.3	17.4	60.4	11.3	6.5	2.2	0.4	230
1976-77	3-31-76	14	2	0.0	0.0	12	5	17	42	15	6	1	1	242
	4-1-77	14	4	0.0	0.0	0.0	.3	8	46	33	8	4	2	298
	4-1-77	14	4	0.0	0.0	0.0	1	8	43	34	6	6	3	179
1977-78	3-30-78	14	2	0.0	0.0	8.3	25.8	8.3	24.1	26.6	4.1	2.5	0.0	120
1978-79	3-31-79	14	2	0.0	0.3	11.5	12.9	30.3	9.0	21.6	10.6	3.1	1.7	357
1979-80	3-27-80	13	2	0.0	0.0	71	11	4	2	3	4	2	2	288

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

SMUGGLER'S COVE (101-26)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	DATE	PERIOD	GEAR	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71														
1971-72														
1972-73	4-73	16	3	0.0	0.0	49.3	4.7	13.8	22.6	3.8	2.9	1.5	1.5	341
1973-74														
1974-75														
1975-76	4-7-76	15	4	0.0	0.0	0.0	5	44	34	11	4	2	0	167

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

CRAB BAY, KWAIN BAY, CASCADE INLET (101-40)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X	Total Frequency
1969-70														
1970-71														
1971-72	4-72	16	3	0.0	0.0	0.0	12.4	62.7	5.8	5.8	5.8	4.0	3.6	225
1972-73	10-73	42	11	0.0	0.9	9.7	58.2	3.2	9.9	12.1	2.8	1.1	2.2	464
1973-74														
1974-75														
1975-76	4-7-76	15	4	0.0	1	2	5	37	36	7	7	3	2	324

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

BOLD ISLAND, NADZAHHEN, MOTH COVE (101-42)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X	Total Frequency
1970-71	11-70	45	1	0.0	1.0	16.2	47.5	5.0	6.1	11.1	9.1	1.0	3.0	99
1971-72														
1972-73														
1973-74	11-73	45	11	0.0	0.2	13.1	66.3	1.5	7.9	8.2	1.1	0.6	1.2	534
1974-75														
1975-76														

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

THORNE ARM (101-43)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71														
1971-72														
1972-73														
1973-74	11-73	45	11	0.0	0.5	14.4	71.5	3.2	6.2	3.4	0.2	0.?	0,4	439
1974-75	10-74	41	11	0.0	0.7	5.3	20.4	53.3	8.8	6.3	3.5	0.7	1.1	285
1975-76														
1976-77	10-30-76	44	11	0	0	20	10	14	23	24	4	2	1	353

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

CARROLL INLET (101-44)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71	12-70	49	1	0.0	0.4	22.2	53.5	5.8	4.8	6.8	3.0	2.4	1.?	501
	12-70	50	1	0.0	0.7	17.4	49.3	8.2	7.5	5.8	6.5	3.4	1.3	294
1971-72	11-71	48	1	0.0	0.0	5.6	42.6	37.0	5.4	3.1	3.8	1.4	1.1	556
1972-73	1-73	1	11	0.0	4.0	39.8	3.6	19.0	24.0	2.7	2.1	2.9	1.9	522
	1-73	5	11	0.0	1.0	64.2	5.1	12.6	12.6	2.0	0.2	1.7	0.4	411
1973-74	12-73	51	11	0.0	0.8	5.5	55.9	3.5	16.4	12.11	1.6	1.2	3.2	256
1974-75	11-74	47	11	0.3	1.8	10.3	27.4	45.9	4.6	4.3	2.7	1.8	0.9	329
	11-74	48	11	0.0	0.5	6.4	25.6	55.5	4.8	5.3	1.6	0.3	0.0	375
1974-75														
1975-76														

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

GEORGE INLET (101-46)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X	Total Frequency
1969-70														
1970-71														
1971- 72	3-5-72	11	11	0.0	0.2	8.4	53.1	28.7	4.1	1.9	1.3	0.9	1.5	467
1972-73	1-14-73	3	11	0.0	8.7	75.8	5.8	6.3	2.9	0.2	0.2	0.0	0.0	446
	12-9-73	50	11	0.0	0.0	5.5	23.4	3.9	23.8	25.8	6.2	5.5	5.8	256
1973-74	2-3-74	6	11	0.0	8.0	17.6	61.3	7.0	3.0	2.5	0.5	0.0	0.0	199
1974- 75	1-5-75	2	11	0.0	0.3	4.9	21.7	53.3	6.4	8.1	4.1	0.6	0.6	345
	2-9-75	7	11	0.0	0.0	7.6	22.0	47.4	11.5	6.6	3.6	1.2	0.0	331
	11-9-75	46	11	0.0	1.7	6.0	8.9	21.9	41.0	5.2	5.4	7.2	2.9	349
1976- 77	11-8,9,15-76	46	11	0.0	0.0	36	11	14	18	16	1	2	2.4	357
1977- 78	10-31-77	44	11	0.4	0.4	13.6	27.7	10.2	8.9	18.3	14.1	2.9	2.9	234

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

TONGASS NARROWS (101-47)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X	Total Frequency
1970-71	11-29-70	49	1	0.0	0.0	7.9	41.7	11.5	13.0	10.1	6.5	4.3	6.0	139
1971-72	12-19-71	52	11	0.0	0.0	1.3	34.4	37.7	11.0	9.5	3.1	1.8	1.4	390
1972-73														
1973-74	11-4-73	45	11	0.0	1.3	27.9	54.0	4.5	6.7	3.1	1.8	0.4	0.4	224
1975														
1976-77	11-17,19,22-76	47	11	0.0	0.0	52	16	16	7	6	1	1	0.5	350
1977-78	10-18-77	42	11	0.0	0.0	17	39	14.1	11.9	7.6	7.9	1.4	1.1	277

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

WARD COVE (101-48)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1970-71														
1971-72	1-30-72	6	11	0.0	0.0	4.6	40.2	35.7	9.6	5.0	2.0	1.2	1.8	502
1972-73	1-21-73	4	11	0.0	1.2	34.8	7.2	27.0	21.8	5.0	1.5	1.2	0.5	863
1973-74														
1974-75	2-16-75	8	11	0.0	0.0	26.4	24.9	40.2	1.7	4.8	0.8	0.8	0.3	353
1976														

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

BURROUGHS BAY (101-75)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1978-79	11-15-78	46	11	0.0	0.0	0.0	11.0	25.7	22.5	21.5	12.0	6.3	1.0	191

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

SPACIOUS BAY (101-80)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1978-79	11-17-78	47	11	0.0	0.0	0.0	15	30	17	24	9	4	1	119
1979-80	10-14-79	42	11	0.0	1.0	70	17	5.0	5.0	1.0	0.5	0.5	0.0	291

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

BEHM NARROWS, ANCHOR PASS (101-80)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1977- 78	10-7-77	41	11	0.0	0.0	3	28	17	32	10	7	2	0.0	87
1978- 79														
1979- 80	10-14-79	42	11	0.0	5	70	12	9	3	0.0	0.0	2	0.0	66

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

HELM BAY (101-91)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71														
1971-72														
1972-73	4-8-73	15	11	0.0	0.2	21.0	2.2	16.6	39.1	7.3	6.2	4.2	3.3	453
		18	3	0.0	0.4	64.2	3.0	6.4	15.5	2.3	2.6	3.0	2.7	265
1973-74														
1974-75														
1976-77														
1977-78														
1978-79	4-24-79	17	2	0.0	3.3	21.1	17.2	25.6	9.4	11.1	5.6	6.1	.5	180

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

NICHOLS BAY, BRONSON BAY (102-10)

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X +	Total Frequency
1976-77	12-1-77	49	11	0.0	.8	4.6	27.4	16.6	16.2	17.0	9.1	5.8	2.5	241
1977-78	12-2-77	49	11	0.0	1	8	21	15	15	21	13	4	3	156

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

KASAAN (102-60)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1970-71	5-2-71	19	2	0.0	0.0	11.3	60.4	14.2	8.5	3.8	0.9	0.9	0.0	106
1971-72														
1972-73														
1973-74														
1974-75														
1975-76	4-25-76	18	4	0.0	0.0	0.0	0.0	9.6	55.6	19.6	9.3	3.7	2.2	270

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

McFARLAND ISLAND (103-41)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71	4-18-71	17	2	0.0	0.7	7.2	46.4	8.7	23.9	4.4	4.4	1.4	2.8	138
1971-72	4-23-72	18	11	0.0	0.6	9.9	23.0	34.1	5.2	17.2	5.2	2.1	2.7	534
1972-73														
1973-74	4-14-74	16	4	0.0	0.0	0.9	31.5	18.5	18.5	17.6	7.4	5.6	0.0	108
1974-75														
1975-76														

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

CRAIG (103-60)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X	Total Frequency
1969-70														
1970-71	4-4-71	15	2	0.0	0.0	4.2	23.8	23.1	22.9	16.6	3.7	3.0	2.7	433
1971-72	4-2-72	15	11	0.0	0.0	8.0	11.6	34.7	22.0	13.2	6.3	1.7	2.4	585
1972-73	3-25-73	13	11	0.0	0.2	8.6	16.1	16.1	28.5	17.5	6.8	4.4	1.8	502
1973-74														
1974-75														
1975-76														

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

TONOWEK AND NOSSAK BAY (103-80)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71	6-20-71	26	20	0.0	0.0	6.9	69.0	6.2	6.2	9.0	2.1	0.0	.7	145
1971-72														
1972-73														
1973-74														
1974-75														
1975-76														

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

BOCAS DE FINAS (103-81)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71														
1971-72														
1972-73														
1974-75	2-9-75	7	11	0.0	0.0	0.0	12.3	24.2	13.5	19.6	13.2	11.0	6.1	326
1975-76	2-1-76	6	11	0.0	0.0	0.0	0.5	9.4	12.7	26.9	22.2	15.1	13.3	212
1976-77	1-30-77	5	11	0.0	0.0	0.0	3.0	6.0	13.0	21.0	17.0	21.0	18.0	310

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

MEARES PASSAGE (104-30)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X	Total Frequency
1978-79														
1979-80	12-3-79	49	11	0.0	0.0	0.0	2	3	9	38	20	14	16	66
	12-3-79	49	11	0.0	3	91	4	0.0	1	0.0	2	0.0	0.0	117
	12-3-79	49	11	0.0	1	90	8	1	0.0	0.0	.5	0.0	0.0	232

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

EL CAPITAN (103-90)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71														
1971-72														
1972-73														
1973-74														
1974-75														
1975-76	1-25-76	5	11	0.0	1.3	25.6	9.7	39.0	10.4	4.6	2.6	3.9	2.9	308
1976-77														
1977-78														
1978-79	11-16-78	47	11	0.0	12	53	32	3	0.0	0.0	0.0	0.0	0.0	74
	11-1-78	47	11	0.0	0.0	3.5	21.2	28.2	25.9	13.5	6.5	0.6	0.6	170
	2-1-79	5	11	0.0	14	66	10	3	1	3	1	0.0	2	191

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

PORT ALICE, SEA OTTER SOUND (103-90)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X	Total Frequency	
1976-77	2-9-77	6	11	0.0	0.0	8	30	13	26	12	4	5	2	356	Port Alice
	2-13-77	7	11	0.0	0.0	4	15	34	24	8	6	7	1	285	Sea Otter Sound

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

SARHEEN (103-95)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71														
1971-72														
1972-73														
1973-74	2-24-74	9	11	0.0	0.0	7.7	20.2	19.2	21.8	6.1	10.3	11.9	2.8	312
1974-75														
1975-76														

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

PORT BAZAR (104-20)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1977-78	2-78	7	11	0.0	1	4	20	24	27	16	6	2	1	285

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

MOSSMAN AND BURNETT INLET (106-22)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71														
1971-72														
1972-73														
1973-74														
1974-75	1-26-75	5	11	0.0	0.0	18.8	22.9	31.8	10.4	8.9	6.0	0.9	0.3	336
1975-76														

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

ROCKY BAY (106-24)

PERCENT AGE COMPOSITION

WINTER/ SEASON	SPRING Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71														
1971-72														
1972-73	4-22-73	17	3	0.0	0.0	4.2	1.4	9.9	42.4	8.0	15.6	16.5	1.9	212
1973-74														
1974-75														
1975-76														

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

BURNETT INLET (106-23)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X +	Total Frequency
1969-70														
1970-71														
1971-72														
1972-73	11-18-73	47	11	0.0	0.0	3.0	24.8	14.1	29.8	14.6	7.1	6.1	0.5	198
1973-74														
1974-75														
1975-76														

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

SCOW BAY (106-44)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X +	Total Frequency
1969-70														
1970-71														
1971-72	1-9-72	3	11	0.0	1.6	18.6	31.2	16.3	12.2	13.7	3.8	1.3	1.3	706
1972-73	2-18-73	8	11	0.0	0.0	23.9	17.2	18.6	12.0	4.4	15.4	3.7	4.9	435
1973-1974														
1974-75	11-10-74	46	11	0.0	0.0	2.2	28.3	9.8	12.0	15.4	8.9	7.7	14.6	325
1975-76	1-11-76	3	11	0.0	0.0	0.6	4.1	40.4	18.3	9.3	9.6	7.0	10.5	344
1976-77	10-8,10-76	41	11	0.0	0.0	0.0	6	13	49	12	4	7.0	8.0	342

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

MENEFEE INLET (107-20)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71														
1971-72														
1972-73														
1973-74														
1974-75	3-30-75	14	11	0.0	0.0	5.0	20.2	36.1	16.1	11.7	5.9	3.2	1.8	341
1975-76														

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

DEER ISLAND (107-21)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X	Total Frequency
1969-70														
1970-71	3-71	12	1	0.0	0.0	12.6	53.8	13.8	11.1	6.6	1.6	0.2	0.2	485
1971-72	3-72	13	11	0.0	0.3	2.9	21.9	43.0	12.1	11.5	6.6	1.3	0.5	1045
1972-73	12-72	50	11	0.0.	1.7	29.1	4.6	23.0	27.7	6.3	4.0	2.9	0.6	347
1973-74	12-74	6	11	0.0	0.0	1.3	27.9	7.0	28.7	21.9	5.7	4.4	3.0	383
1974-75	10-74	41	11	0.0	0.0	1.1	3.0	24.8	13.7	26.3	15.6	9.3	6.3	270
1975-76	10-75	43	11	0.0	0.0	0.7	14.4	18.6	34.0	14.0	11.2	3.5	3.5	285
1976-77	10-12-76	42	11	0.0	0.0	0.5	4.0	18	26	27	10	7	9	313
1977-78	10-3-77	40	11	0.0	0.0	0.0	6	6	26	27	24	5	5	274

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

ANITA BAY (107-31)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71	3-71	13	1	0.0	1.5	15.5	34.4	20.1	17.2	7.4	2.8	1.1	0.2	458
1971-72														
1972-1973	3-73	13	1	0.0	0.0	2.4	6.8	31.2	30.4	12.0	11.2	4.4	1.6	250
1973-1974	2-74	8	11	0.0	0.0	1.6	25.8	12.4	29.1	13.9	8.0	5.1	4.2	453
1974-75	12-74	50	11	0.0	0.0	2.1	26.9	16.8	25.3	12.5	9.1	4.5	2.7	375
1975-76	11-75	45	11	0.0	0.0	1.5	17.7	26.5	23.5	11.2	6.9	4.2	8.5	260
1976-77	11-5,8-76	45	11	0.0	0.0	1.0	4.0	20.0	27.0	24.0	8.0	8.0	7.0	335
1977-78	10-77	41	11	0.0	0.0	3.0	5.0	13.0	33.0	22.0	16.0	5.0	4.0	307
1978-79	11-15-78	46	11	0.0	0.5	70.5	26.8	1.6	0.5	0.0	0.0	0.0	0.0	190
	2-2-79	6	11	0.0	0.0	32.5	11.4	11.4	17.5	14.9	5.3	6.1	0.9	114
1979-80	10-15-79	42	11	0.0	2.0	71.0	20.0	5.0	1.0	1.0	0.5	0.0	0.0	296
	12-2-79	49	11	0.0	4.0	89.0	7.0	1.0	0.0	0.0	0.0	0.0	0.0	176

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

SKIKINE RIVER FLATS (108-40)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X +	Total Frequency
1977-78	1-6-78	2	11	0.0	22	19	32	6	8	8	4	1	0	116

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

KEKU STRAITS (109-42)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X	Total Frequency
1977-78	2-3-78	6	11	0.0	0.0	.9	4.2	8.5	14.1	32.9	10.3	9.4	19.7	213

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

PORT CAMDEN (109-43)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71														
1971-72														
1972-73														
1973-74	10-73	43	11	0.0	0.0	0.0	0.8	6.0	36.7	9.7	12.4	32.6	1.9	267
1974-75	11-74	48	11	0.0	0.0	1.7	36.0	2.6	4.9	24.8	5.8	11.0	13.3	347
1975-76	11-75	46	11	0.0	0.0	0.6	2.5	18.9	5.0	5.0	18.9	14.5	34.5	159
1976-77	10-19-76	43	11	0.0	0.0	0.0	0.0	0.5	10	1	6	13	67	201
1977-78	10-77	43	11	0.0	0.0	1.0	1.0	6.0	22	34	29	7	1	250

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

WASHINGTON BAY (109-51)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71	6/13/71	25	1	0.0	0.0	0.0	1.4	13.3	62.2	21.0	2.1	0.0	0.0	143

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

TEBENKOF BAY (109-62)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X	Total Frequency
1969-70														
1970-71														
1971-72														
1972-73														
1973-74	11-73	48	11	0.0	0.0	5.6	30.9	15.0	13.5	6.9	11.5	15.0	1.5	392
1974-75														
1975-76														
1976-77														
1977-78	11-77	46	11	0.0	46	34	19	1	.5	0.0	0.0	0.0	0.0	268

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

FARRAGUT BAY (110-14)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71	4-25-71	18	10	0.0	0.0	4.4	1.9	9.9	61.2	13.3	6.5	1.9	0.8	585
1971-72	4-23-72	18	10	0.0	0.0	1.6	20.2	2.3	9.3	57.3	3.4	3.6	2.2	440
1972-73	4-22-73	17	11	0.0	0.0	5.4	0.9	24.6	2.8	8.8	47.0	6.5	4.1	464
1973-74	4-28-74	18	10	0.0	0.5	9.6	15.2	2.9	26.7	3.8	6.2	30.0	5.3	210
1974-75														
1976														

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

PORT HOUGHTON (110-34)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71														
1971-72														
1972-73														
1974-75	1/1/75	1	11	0.0	0.0	1.1	15.9	5.9	11.6	38.8	8.6	11.3	6.7	371
1975-76	3/2/75	10	11	0.0	0.0	1.8	11.2	3.5	12.9	41.5	9.7	7.1	12.4	340

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

SEYMOUR CANAL (111-14)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71	4-71	17	1	0.0	0.0	2.6	4.5	14.2	39.8	12.6	10.4	8.1	7.7	492
1971-72	5-72	20	11	0.0	0.2	2.2	25.0	13.0	20.4	23.0	6.5	4.5	5.7	509
1972-73	4-73	18	11	0.0	0.0	0.0	2.7	18.7	11.8	17.0	36.2	6.3	7.4	459
1973-74	5-74	19	11	0.0	0.0	4.4	6.1	7.8	20.1	10.9	21.5	22.2	6.8	293
1974-75	5-75	20	2	0.1	0.0	4.3	30.0	10.6	8.5	17.0	11.8	9.4	8.2	330
1975-74	5-75	20	11	0.0	0.0	0.0	7.7	18.2	12.5	11.8	17.2	12.8	19.8	313
1976-77	5-9-77	19	11	0.0	0.0	0.0	5.0	8.0	38.0	12.0	12.0	14.0	12.0	110
1977-78	5-78	19	11	0.0	0.5	8.0	17.0	15.0	8.0	18.0	10.0	8.0	15.0	206
1978-79	4-30-79	18	11	0.0	0.0	3.9	14.5	19.0	7.8	4.5	22.9	6.7	20.7	179
1979-80	5-10-80	19	13	0.0	0.0	53.0	25.0	11.0	3.0	8.0				95

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

HANK INLET (112-16)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1977-78	12-28-77	52	11	0.0	11	74	12	3.0	0.5	0.0	0.0	0.0	0.0	358

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

OUTSIDE DOUGLAS ISLAND (111-40)
AND GATINEAU CHANNEL

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71														
1971-72														
1972-73														
1973-74														
1974-75	4-20-75	17	11	0.0	0.0	0.9	3.7	7.6	13.4	47.9	13.7	6.7	6.0	328
1975-76														
1979-80	2-8-80	6	20	0.0	14.0	45.0	35.0	6.0	0.0	0.0	0.0	0.0	0.0	148

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

AUKE BAY, EAGLE RIVER (111-50)
CARR'S POUND*, FRITZ COVE

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71	4-71	18	10	0.0	2.5	65.8	20.6	3.4	2.8	1.5	1.5	0.6	1.2*	325*
	5-71	19	2	0.0	2.2	45.6	19.8	11.0	8.8	2.8	5.0	2.2	2.8	182
1971-72	5-72	19	10	0.0	0.4	14.7	59.8	12.3	4.2	3.3	1.1	1.4	2.8	1073
	6-72	23	10	0.0	2.3	20.5	56.3	13.5	2.9	2.1	1.0	0.8	0.6	483*
1972-73	4-73	16	11	0.0	0.0	1.2	6.8	48.5	17.8	9.2	6.5	4.7	5.4	338
1973-74														
1974-75	5-75	20	11	0.0	0.3	24.4	54.9	6.9	7.8	4.0	1.7	0.0	0.0	348
1975-76														
1976-77														
1977-78	1-18-78	3	07	0.0	0.0	6.4	6.1	5.1	5.8	14.3	8.5	14.6	Fritz Cove	327
	2-6-78	6	07	0	68	29	3	0	0	0	0	0	38.6 Auke Bay	193
1978-79	2-21-79	8	07	0.0	1.5	71	24.5	1.5	0.0	0.0	1.0	0.5	0.0 Fritz Cove	200

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

FAVORITE BAY (112-17)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1976-77	12-8-76	50	11	0.0	0.0	0.0	3.0	14	21	15	19	20	9.0	324

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

KELP BAY (112-21)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1977-78	12-15-77	51	11	0.0	3.0	66.0	26.0	2.0	1.0	1.0	0.0	0.0	0.0	85

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

TENAKEE INLET (112-45)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1971-72														
1972-73	3-26-73	13	11	0.0	0.0	44.6	6.4	39.1	4.6	2.9	0.9	0.4	1.2	1010
1973-74	12-73	51	11	0.0	0.0	16.0	7.8	18.0	44.2	2.9	4.8	2.4	3.9	206
1974-75	11-74	47	11	0.0	0.0	5.6	28.8	12.2	17.5	30.7	2.6	1.1	1.6	378
1975-76														
1976-77	10-30-76	44	11	0.0	0.0	0.0	0.0	7.0	14.0	20.0	30.0	16.0	13.0	56
	11-14-76	46	11	0.0	0.0	2.0	10.0	19.0	22.0	15.0	18.0	13.0	1.0	93
1977-78	12-18-77	51	11	0.0	4.0	68.0	24.0	1.0	1.0	1.0	.5	.5	0.0	358
1978-79	2-2-79	6	11	0.0	2.0	91	7.0	1.0	0.0	0.0	0.0	0.0	0.0	198
1979-80	12-79	51	11	0.0	0.0	13	77.0	8.0	2.0	0.0	.5	0.0	0.0	296
	12-79	51	11	0.0	0.0	11	80.0	7.0	1.0	1.0	0.0	0.0	0.0	228

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

FRESHWATER BAY (112-50)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71														
1971-72														
1972-73														
1973-74														
1974-75	10/74	42	11	0.0	0.0	5.2	32.2	15.4	20.0	22.8	2.2	1.4	0.8	369
1976														

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

HOOD BAY (112-71)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1978-79	11-15-78	46	11	0.0	29.7	23.8	24.3	13.0	2.7	3.8	2.7	0.0	0.0	185

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

WHALE BAY (113-22)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1977-78	10-31-77	44	07	0.0	19.0	36.0	14.0	18.0	8.0	3.0	1.0	1.0	0.0	312
1978-79	11-15-78	46	11	0.0	0.0	25.8	46.2	12.1	8.8	5.5	1.1	0.5	0.0	182

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

WEST CRAWFISH INLET (113-32)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71	4-71	16	20	0.0	0.4	14.2	38.6	22.6	6.9	14.5	2.4	0.3	0.3	767
1971-72														
1972-73														
1973-74														
1974-75														
1975-76														
1976-77														
1977-78	11-2-77	45	07	0.0	85	12	2	1	0.0	0.0	0.0	0.0	0.0	169
1978-79	11-15-78	46	11	0.0	0.0	49	43	7	1.0	0.0	0.0	0.0	0.0	193
1979-80	10-79	44	11	0.0	1.0	13	65	18	2	1	0.0	0.0	0.0	176

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

CRAWFISH INLET (113-33)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1979-80	3-13-80	11	07	0	0	11	49	24	14	0	1	1	0	96

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

NECKER BAY (113-34)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1977-78	11-1-77	44	11	0.0	26	26	17	21	5	2	1	1	0	174
1978-79	10-79	43	11	0.0	0.0	1	34	28	11	18	5	2	1	114
1979-80	3-13-80	11		0	0	10	36	15	15	13	8	1	1	99

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

SITKA (113-41)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1973-74	4-74	15	11	0.0	0.6	3.8	72.6	9.3	6.0	3.2	2.4	0.8	1.4	521
	4-74	16	11	0.0	0.0	1.9	71.9	10.6	8.4	2.6	1.6	1.0	1.8	310
1974-75	4-75	16	11	0.0	0.0	11.2	8.6	54.0	17.2	6.9	2.0	0.0	0.0	348
1975-76	4-76	17	11	0.0	0.0	1.9	16.9	15.9	51.0	11.2	2.1	1.1	0.0	473
1976-77	4-6-77	15	11	0.0	0.0	14	11	20	12	33	8	1	1	311
1977-78	11-10-77	47	07	0.0	3	25	29	15	12	5	10	1	0	342
	1-27-78	5	07	0.0	1	36	27	6	12	8	9	1	1	342
	4-5-78	14	11	0.0	0.0	59	28	7	2	1	2	1	0	243
1978-79														
1979-80	3-4-80	10	07	0.0	1.1	10.5	61.1	16.6	2.7	0.0	0.0	0.0	0.0	186
	3-11-80	11	07	0.0	0.0	15	77	7	21	0.0	0.0	0.0	0.0	208
	3-11-80	11	07	0.0	1.0	24	67	8	0.0	0.0	0.0	0.0	0.0	166

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

NAKWISINA BAY (113-43)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71														
1971-72														
1972-73														
1973-74	3-31-74	14	11	0.0	3.0	6.3	78.3	5.0	4.3	2.0	0.3	0.0	0.7	300
1974-75														
1975-76														

- Continued -

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

KATLIAN BAY (113-44)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71	3-28-71	14	1	0.0	0.0	7.5	21.0	31.4	10.0	16.6	7.6	3.8	2.3	773
1971-72	4-16-72	17	11	0.0	0.0	6.4	29.8	18.0	20.1	6.7	10.0	4.4	4.2	732
1972-73	4-22-73	17	11	0.0	0.0	77.6	8.6	5.9	1.6	3.6	0.8	0.6	0.4	255
1973-74														
1974-75														
1975-76														
1976-77														
1977-78														
1978-79	2-28-79	9	07	0.0	0.5	61.7	29.9	3.5	2.0	20.0	1.0	0.0	0.0	201
	2-28-79	9	11	0.0	4.0	73.5	20.0	1.0	.5	0.0	1.0	0.0	0.0	200

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

EASTERN CHANNEL (113-46)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71														
1971-72	1-30-72	6	11	0.0	22.0	44.0	30.8	3.0	0.2	0.0	0.0	0.0	0.0	400
1972-73	3-25-73	13	11	0.0	1.0	83.3	9.4	5.6	0.7	0.0	0.0	0.0	0.0	287
1973-74														
1974-75														
1975-76														

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

HOONAH SOUND (113-55)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1976-77	1-8-77	2	11	1	33	45	13	5	3	1	0	0	0	147

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

LISIANSKI INLET (113-95)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1971-72	5-7-72	20	11	0.0	7.8	30.0	51.4	7.3	3.0	0.2	0.0	0.2	0.0	436
1972-73														
1973-74														
1974-75														
1975-76														
1976-77	2-8-77	6	11	0	24	44	16	10	1	1	0	0	0	171
	2-10-77	7	11	0.0	0.5	20	39	26	12	3	0	0	0	212
1977-78	11-15-78	--	07	0.0	18.6	69.0	10.2	1.8	0.4	0.0	0.0	0.0	0.0	226
	1-11-78	2	11	0	8	70	15	3	3	0	1	0	0	356
1978-79	11-15-78	46	11	0.0	0.8	35.2	44.8	12.0	1.6	3.2	0.8	0.8	0.8	125
	2-1-79	5	11	0.0	0.5	37.5	50.5	5.4	1.6	1.6	2.7	0.0	0.0	184
1979-80	10-79	--	07	0	0	6	55	34	3	1	0	1	0	294

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

EAGLE POINT (114-23)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1976-77			11	0	9	69	15	3	2	2	0	0	0	356

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

PORT FREDRICK (114-36)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1977-78	12-77	--	11	0.0	8	76	12	2	1	0.0	0.3	0.0	0.3	345
1978-79														
1979-80	12-3-79	49	11	0.0	1	29	53	12	4	1	0.3	0.0	0.0	292

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

IDAHO INLET (114-40)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1976-77	1-6-77	2	11	4	80	13	1	2	0	0	0	0	0	164

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

BRIDGET COVE, SUNSET COVE (115-10)
LYNN CANAL

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71	5-2-71	19	2	0.0	0.7	11.2	21.0	20.0	20.0	11.5	5.1	8.1	2.7	295
1971-72	4-2-72	15	11	0.0	0.0	1.5	4.6	52.8	18.0	7.7	5.6	4.8	5.0	479
1972-73														
1973-74	4-21-74	17	11	0.0	0.0	3.2	8.3	11.0	43.3	16.3	7.2	3.7	6.9	374
1974-75	4-20-75	17	11	0.0	0.0	0.3	4.4	8.5	12.9	49.7	15.1	3.5	5.6	318
1975-76														
1976-77														
1977-78	4-78		11	0.0	0.0	4.0	3.0	3.0	6.0	15.0	12.0	23.0	10.0	213
1978-79														
1979-80	2-26-80	9	07	0.0	0.0	1.0	22	19	9	12	17	11	11	171

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

YAKUTAT BAY (183-10)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71	4-29-73	19	1	0.0	0.7	46.9	17.2	23.2	5.1	4.8	1.4	0.3	0.3	354
1971-72														
1972-73	4-29-73	18	11	0.0	0.0	54.1	6.0	10.7	9.7	9.5	1.9	4.3	3.5	484
1973-74														
1974-75														
1975-76														

-Continued-

Appendix Table 2. Age class composition by percentage of major wintering and spawning stocks (continued).

CHICAGO HARBOR (183-11)

PERCENT AGE COMPOSITION

WINTER/SPRING SEASON	Date	Period	Gear	I	II	III	IV	V	VI	VII	VIII	IX	X+	Total Frequency
1969-70														
1970-71	4-18-71	17	1	0.0	4.2	58.9	21.2	13.6	1.42	0.6	0.0	0.0	0.0	353
1971-72														
1972-73														
1973-74														
1974-75														
1975-76														