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**Canadian Pacific Coast
Ichthyoplankton Survey. 1980.
Ichthyoplankton. Cruise Two
(February 13-20)**

J.C. Mason, O.D. Kennedy, and A.C. Phillips

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

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Rapport statistique canadien des sciences halieutiques et aquatiques

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August 1981

CANADIAN PACIFIC COAST ICHTHYOPLANKTON SURVEY, 1980.
ICHTHYOPLANKTON. CRUISE TWO (FEBRUARY 13-20).

by

J. C. Mason, O. D. Kennedy, and A. C. Phillips

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

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ABSTRACT

Mason, J. C., O. D. Kennedy, and A. C. Phillips. 1981. Canadian Pacific Coast Ichthyoplankton Survey, 1980. Ichthyoplankton. Cruise Two (February 13-20). Can. Data Rep, Fish. Aquat. Sci. 276: 66 p.

This report contains a compilation of corrected catches of juvenile fishes, fish eggs, and fish larvae by station, in reduced computer printout format, for the second of four standardized cruises. These cruises were eight to nine days in duration and were conducted on the G. B. REED.

The survey encompassed the entire length of the Canadian outer coast and also included Dixon Entrance, Hecate Strait, and Queen Charlotte Sound.

Oblique tows were made using 0.25⁴ m Bongos equipped with 351 μ m Nitex nets of modified SCOR design. All sampling gear was black to minimize potential avoidance and resulting catch bias. The tow procedure generally followed that established by CALCOFI, excepting that tows were made to within 20 m of the sea floor on the shelf and to a maximum depth of 565 m on the slope.

Key words: Ichthyoplankton, Canadian Pacific shelf, Dixon Entrance, Hecate Strait, Queen Charlotte Sound.

RESUME

Mason, J. C., O. D. Kennedy, and A. C. Phillips. 1981. Canadian Pacific Coast Ichthyoplankton Survey, 1980. Ichthyoplankton. Cruise Two (February 13-20). Can. Data Rep. Fish. Aquat. Sci. 276: 66 p.

Le présent rapport contient une compilation des prises corrigées de poissons juvéniles, d'oeufs et de larves de poisson par station, sous la forme d'un imprimé d'ordinateur réduit, pour la deuxième de quatre expéditions normalisées. Ces expéditions duraient de huit à neuf jours et étaient menées à partir du G. B. REED.

Les levés portaient sur toute la longueur de la côte canadienne la plus à l'ouest ainsi que sur l'entrée Dixon, le détroit d'Hécate et le bassin Reine-Charlotte.

Des chalutages obliques ont été effectués à l'aide d'engins d'échantillonnage de type bongo de 0,25 m² munis de filets Nitex de 351 um de conception CRSO modifiée. Tout l'équipement d'échantillonnage était en noir pour minimiser l'évitage potentiel qui se traduit par un facteur d'inexactitude pour les prises. La méthode de chalutage était généralement semblable à celle établie pour le programme CALCOFI, sauf que le chalutage était effectué à moins de 20 m du fond sur le plateau et à une profondeur maximale de 565 m sur le talus.

Mots clés: Ichthyoplancton, plateau continental du Pacifique canadien, entrée Dixon, détroit d'Hécate, bassin Reine-Charlotte.

ORIENTATION AND METHODOLOGY

The Pacific Coast Ichthyoplankton Survey was conducted by staff of the Groundfish Program at the Pacific Biological Station, Nanaimo (Resource Services Branch). The survey involved four monthly cruises of some nine days duration each made on the G. B. REED (January 15-22, February 13-20, March 12-20, and April 15-23). This report concerns the second cruise made in February, 1980.

The survey encompassed the entire length of the Canadian outer coast and also included Dixon Entrance, Hecate Strait, and Queen Charlotte Sound. A total of 77 stations on 18 transect lines were occupied routinely (Fig. 1). The stations are listed by number, location (latitude and longitude), and depth in Table 1.

On station, following oblique tows for ichthyoplankton, an STD cast (Bisset Berman) was made, supplemented irregularly by XBT casts, and by Nansen casts, with salinometry done ashore. The physical-chemical data base is presented in processed form in three parts (Data Reports Nos. 279, 280, and 281).

The oblique tows were made using 0.25 m² Bongos equipped with 351 µm Nitex nets of modified SCOR design, and General Oceanics center-mounted flow meters. A 100-kg minesweeper depressor was used on the January cruise but was replaced with a 95-kg cylindrical weight for the subsequent cruises in order to minimize stress on the gear and cable induced by the depressor while in the surface surge zone. All sampling gear was black to minimize potential avoidance and resulting catch bias.

The tow procedure generally followed that established by CALCOFI: vessel speed of 2 kts, gear descent at a cable pay-out rate of 50 m/min, and gear ascent at a cable recovery rate of 20 m/min. Tows were made to within 20 m of the sea floor on shelf stations, and to a maximum depth of 565 m on slope stations where bottom depths exceeded 900 m at the most seaward stations.

The recovered nets were thoroughly washed down with a high-pressure deck hose and the resulting catches were preserved in 5 percent buffered seawater formaldehyde for processing ashore. In the laboratory, fish, fish eggs and larvae, euphausiid decapods and other selected invertebrate groups were extracted from one-net catches. The entire catches from the other net were retained in a raw reference collection for future use.

The following data base consists of reduced computer print-out of corrected catches of juvenile fishes, fish eggs, and fish larvae, identified to the lowest possible systematic categories considering our present state of knowledge of Canadian Pacific coast ichthyoplankton, although some major taxa of fish larvae have since been ordered to the species level.

The tables are numbered consecutively through all four reports. This report contains Tables 71-147. The "sample" numbers are the station numbers referred to in Table 1 and Fig. 1.

ACKNOWLEDGEMENTS

The assistance of Wolfgang Carolsfeld, Trudy Mullin, and other technical persons within the Groundfish Program in data collection and processing is gratefully acknowledged, as is the cooperation and support of the Marine Resources Branch (Provincial Ministry of Environment) in providing their salaries. The Master and crew of the G. B. REED are duly thanked for their enthusiastic and efficient support at sea. Lastly, we thank Skip McKinnell of the Computer Center (Pacific Biological Station, Nanaimo) for his efforts in data management.

TABLE 1. Tracklines and their associated stations, station locations, and station depths for the West Coast Ichthyoplankton Survey, January through April, 1980.

Trackline no.	Station no.	Latitude	Longitude to nearest min.	Station depth (m)
1	1	48° 30'	124° 23'	91
	2		124° 33'	182
	3		124° 52'	182
	4		125° 18'	182
	5		125° 43'	100
	6		126° 05'	182
	7		126° 24'	910
2	8	49° 00'	126° 56'	910
	9		126° 33'	182
	10		126° 14'	100
	11		126° 04'	55
3	12	49° 30'	126° 44'	55
	13		126° 54'	100
	14		127° 14'	182
	15		127° 34'	910
4	16	50° 00'	127° 59'	910
	17		127° 52'	100
	18		127° 43'	182
	19		127° 35'	55
5	20	50° 30'	128° 14'	55
	21		128° 19'	100
	22		128° 26'	182
	23		128° 40'	910
6	24	51° 00'	129° 48'	910
	25		129° 21'	182
	26		128° 56'	76
	27		128° 31'	100
	28		128° 06'	100
7	29	51° 30'	128° 31'	164
	30		128° 56'	100
	31		129° 21'	100
	32		129° 51'	182
	33		130° 24'	910

TABLE 1 (contd).

Trackline no.	Station no.	Latitude	Longitude to nearest min.	Station depth (m)
8	34	52° 00'	131° 09'	100
	35		131° 12'	182
	36		131° 23'	910
9	37	52° 30'	131° 56'	910
	38		131° 47'	182
10	39	53° 00'	132° 26'	182
	40		132° 40'	910
	41		132° 53'	910
11	42	53° 20'	133° 19'	910
	43b		133° 09'	637
	43a		133° 05'	218
	43		133° 01'	182
	44		132° 57'	100
12	45	54° 00'	133° 13'	55
	46		133° 27'	64
	47		133° 31'	182
	48		133° 48'	910
13	49	54° 30'	134° 06'	910
	50		133° 49'	182
	51		133° 22'	364
	52		132° 55'	365
	53		132° 27'	364
	54		132° 00'	246
	55		131° 34'	282
	56		131° 07'	146
14	57	54° 00'	131° 25'	18
	58		131° 08'	55
	59		130° 50'	100
15	60	53° 30'	130° 42'	100
	61		131° 05'	55
	62		131° 02'	22
16	63	53° 00'	131° 06'	55
	64		130° 40'	100
	65		130° 13'	228
	66		129° 47'	55
17	67	52° 30'	129° 48'	182
	68		130° 13'	273
	69		130° 40'	100
	70		131° 07'	55

TABLE 1 (contd).

Trackline no.	Station no.	Latitude	Longitude to nearest min.	Station depth (m)
18	71	52° 00'	130° 41'	228
	72		130° 14'	100
	73		129° 48'	100
	74		129° 21'	182
	75		128° 56'	100

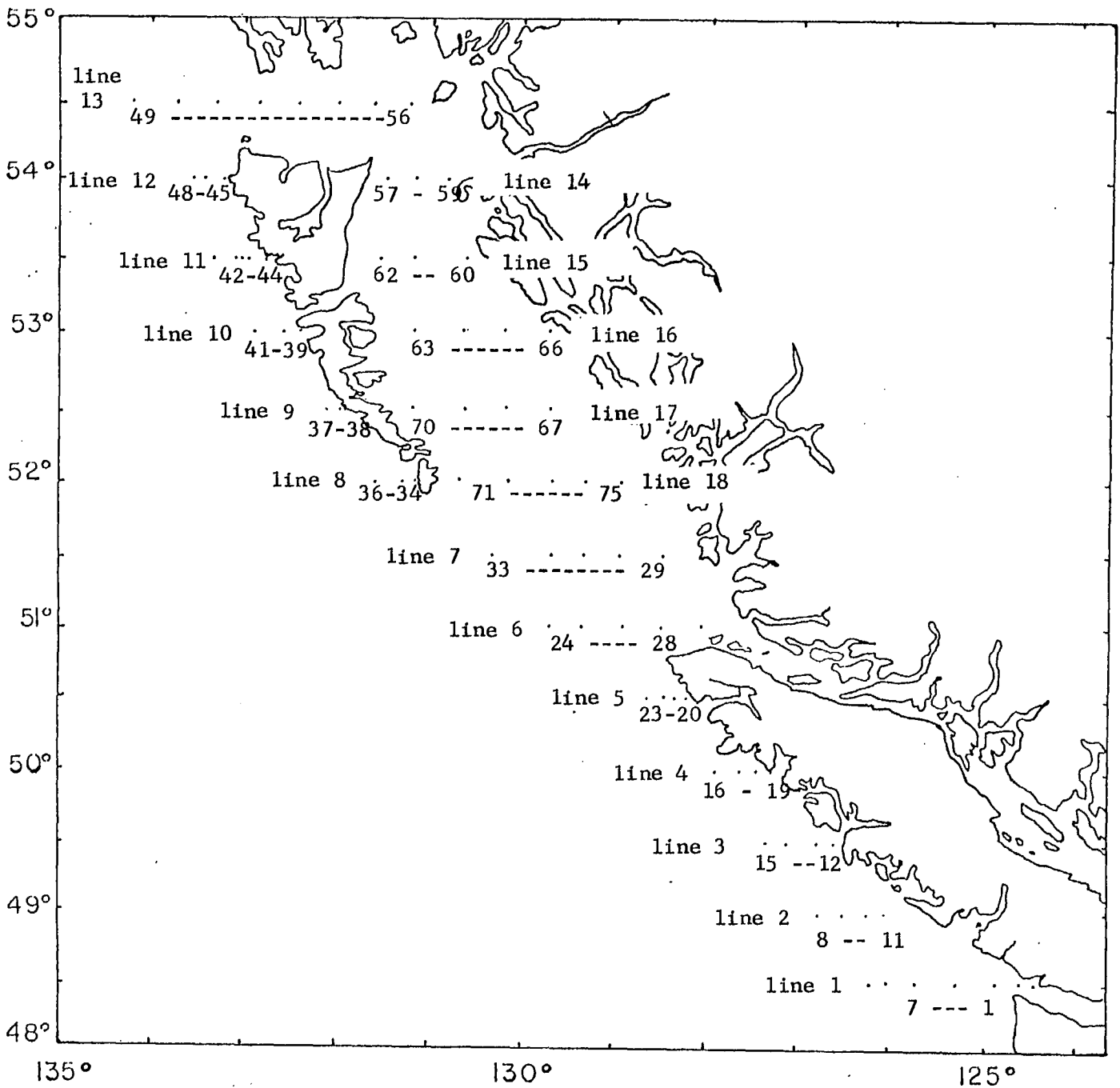


FIGURE 1. Tracklines and associated stations in numbered sampling sequence for the West Coast Ichthyoplankton Survey, January through April, 1980.

TABLE: 71
 CRUISE: WC 80- 2
 SAMPLE NO.: 1
 DATE: 13/ 2/80
 VESSEL: G.H. REED
 POSITION: 48 30.0 N 124 23.0 W
 GRID POSITION:
 BOTTOM DEPTH: 82 M

WIND DIRECTION: 120 DEG
 WIND VELOCITY: 6 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 7.6 C
 STD NUMBER: 1
 HT/XBT NUMBER:
 TIME OF TOW: 0425 HR
 DEPTH OF TOW: 53 M

TOW SPEED: 1 MPS
 TYPE OF TOW:
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 195 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 2.72

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
DSMERIDAE (FAMILY)	77.	79.4	394.9	209.4
GADIDAE (FAMILY)	1.	1.0	5.1	2.7
STICHAEIDAE (FAMILY)	1.	1.0	5.1	2.7
AMMODYTES HEXAPTERUS	1.	1.0	5.1	2.7
HEXAGRAMMIDAE (FAMILY)	2.	2.1	10.3	5.4
COTTIDAE (FAMILY)	1.	1.0	5.1	2.7
CYCLOPTERIDAE (FAMILY)	3.	3.1	15.4	8.2
PLEURONECTIDAE (FAMILY)	11.	11.3	56.4	29.9

TOTAL	97.	100.0	497.4	263.8
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POST LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PLEURONECTIDAE (FAMILY)	1.	100.0	5.1	2.7

TOTAL	1.	100.0	5.1	2.7
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JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
THALEICHTHYS PACIFICUS	1.	100.0	5.1	2.7

TOTAL	1.	100.0	5.1	2.7
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TABLE: 72
 CRUISE: WC 80- 2
 SAMPLE NO.: 2
 DATE: 13/ 2/80
 VESSEL: G.B. REED
 POSITION: 48 30.0 N 124 33.0 W
 GRID POSITION:
 BOTTOM DEPTH: 183 M

WIND DIRECTION: 120 DEG
 WIND VELOCITY: 6 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 7.2 C
 STD NUMBER: 2
 BT/XBT NUMBER:
 TIME OF TOW: 0535 HR
 DEPTH OF TOW: 160 M

TOW SPEED: 1 MPS
 TYPE OF TOW:
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 187 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 8.58

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
OSMERIDAE(FAMILY)	2.	33.3	10.7	17.2
SCORPAENIDAE(FAMILY)	3.	50.0	16.0	25.7
PLEURONECTIDAE(FAMILY)	1.	16.7	5.3	8.6
TOTAL	6.	100.0	32.1	51.5

TABLE: 73
 CRUISE: WC 80- 2
 SAMPLE NO.: 3
 DATE: 13/ 2/80
 VESSEL: G.B. REED
 POSITION: 48 30.0 N 124 52.0 W
 GRID POSITION:
 BOTTOM DEPTH: 183 M

WIND DIRECTION: 108 DEG
 WIND VELOCITY: 9 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 7.2 C
 STD NUMBER: 3
 BT/XBT NUMBER:
 TIME OF TOW: 0715 HR
 DEPTH OF TOW: 136 M

TOW SPEED: 1 MPS
 TYPE OF TOW:
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 232 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 5.85

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	5.	20.8	21.6	29.3
SCORPAENIDAE(FAMILY)	13.	54.2	56.0	76.0
HEXAGRAMMIDAE(FAMILY)	2.	8.3	8.6	11.7
CYCLOPTERIDAE(FAMILY)	4.	16.7	17.2	23.4
TOTAL	24.	100.0	103.4	140.4

TABLE: 74
 CRUISE: WC 80- 2
 SAMPLE NO.: 4
 DATE: 13/ 2/80
 VESSEL: G.B. REED
 POSITION: 48 30.0 N 125 18.0 W
 GRID POSITION:
 BOTTOM DEPTH: 137 M

WIND DIRECTION: 110 DEG
 WIND VELOCITY: 7 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.3 C
 STD NUMBER: 4
 BT/XBT NUMBER:
 TIME OF TOW: 0922 HR
 DEPTH OF TOW: 109 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 240 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 4.53

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	2.	100.0	8.3	9.1
TOTAL	2.	100.0	8.3	9.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	2.	11.1	8.3	9.1
OSMERIDAE (FAMILY)	2.	11.1	8.3	9.1
STICHAEIDAE (FAMILY)	1.	5.6	4.2	4.5
SCURPAENIDAE (FAMILY)	8.	44.4	33.3	36.2
HEXAGRAMMIDAE (FAMILY)	2.	11.1	8.3	9.1
CYCLOPTERIDAE (FAMILY)	3.	16.7	12.5	13.6
TOTAL	18.	100.0	75.0	81.5

TABLE: 75
 CRUISE: WC 80- 2
 SAMPLE NO.: 5
 DATE: 13/ 2/80
 VESSEL: G.B. REED
 POSITION: 48 30.0 N 125 43.0 W
 GRID POSITION:
 BOTTOM DEPTH: 88 M

WIND DIRECTION: 120 DEG
 WIND VELOCITY: 7 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 8.9 C
 STD NUMBER: 5
 BT/XBT NUMBER:
 TIME OF TOW: 1120 HR
 DEPTH OF TOW: 46 M

TOW SPEED: 1 MPS
 TYPE OF TOW:
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 183 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 2.52

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	33.3	5.5	2.5
MICROGADUS PROXIMUS	2.	66.7	10.9	5.0
TOTAL	3.	100.0	16.4	7.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	5.	21.7	27.3	12.6
SCORPAENIDAE (FAMILY)	14.	60.9	76.5	35.3
HEXAGRAMMIDAE (FAMILY)	4.	17.4	21.9	10.1
TOTAL	23.	100.0	125.7	58.0

TABLE: 76
 CRUISE: WC 80- 2
 SAMPLE NO.: 6
 DATE: 13/ 2/80
 VESSEL: G.B. REED
 POSITION: 48 30.0 N 126 5.0 W
 GRID POSITION:
 BOTTOM DEPTH: 183 M

WIND DIRECTION: 120 DEG
 WIND VELOCITY: 7 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 9.4 C
 STD NUMBER: 6
 BT/XBT NUMBER: 1
 TIME OF TOW: 1305 HR
 DEPTH OF TOW: 155 M

TOW SPEED: 1 MPS
 TYPE OF TOW:
 GEAR TYPE: BUNGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 161 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 9.63

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	2.	100.0	12.4	19.3
TOTAL	2.	100.0	12.4	19.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
SCORPAENIDAE (FAMILY)	19.	95.0	118.0	183.0
PLEURONECTIDAE (FAMILY)	1.	5.0	6.2	9.6
TOTAL	20.	100.0	124.2	192.6

POST LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
CYCLOPTERIDAE (FAMILY)	4.	100.0	24.8	38.5
TOTAL	4.	100.0	24.8	38.5

TABLE: 77
 CRUISE: WC 80- 2
 SAMPLE NO.: 7
 DATE: 13/ 2/80
 VESSEL: G.B. REED
 POSITION: 48 30.0 N 126 24.0 W
 GRID POSITION:
 BOTTOM DEPTH: 1134 M

WIND DIRECTION: 100 DEG
 WIND VELOCITY: 6 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 8.5 C
 STD NUMBER: 7
 BT/XBT NUMBER:
 TIME OF TOW: 1458 HR
 DEPTH OF TOW: 537 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 548 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 9.80

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	5.	11.4	9.1	49.0
THERAGRA CHALCOGRAMMA	6.	13.6	10.9	58.8
ANOPLOPOMA FIMBRIA	33.	75.0	60.2	323.4
TOTAL	44.	100.0	80.3	431.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	5.	62.5	9.1	49.0
LEUROGLOSSUS STILBIUS	2.	25.0	3.6	19.6
SCORPAENIDAE (FAMILY)	1.	12.5	1.8	9.8
TOTAL	8.	100.0	14.6	78.4

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
MACROPINNA MICROSTOMA	1.	33.3	1.8	9.8
CYCLOTHONE MICRODON	2.	66.7	3.6	19.6
TOTAL	3.	100.0	5.5	29.4

TABLE: 78
 CRUISE: WC 80- 2
 SAMPLE NO.: 8
 DATE: 13/ 2/80
 VESSEL: G.R. REED
 POSITION: 49 0.0 N 126 56.0 W
 GRID POSITION:
 BOTTOM DEPTH: 750 M

WIND DIRECTION: 90 DEG
 WIND VELOCITY: 2 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 8.6 C
 STD NUMBER: 8
 BT/XRT NUMBER:
 TIME OF TOW: 2045 HR
 DEPTH OF TOW: 524 M

TOW SPEED: 1 KPS
 TYPE OF TOW:
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 756 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 6.93

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	2.	18.2	2.6	13.9
ANOPLLOPOMA FIMBRIA	9.	81.8	11.9	62.4
TOTAL	11.	100.0	14.6	76.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	1.	100.0	1.3	6.9
TOTAL	1.	100.0	1.3	6.9

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
CYCLOTHONE MICRODON	1.	14.3	1.3	6.9
CHAULIODONTIDAE (FAMILY)	1.	14.3	1.3	6.9
MYCTOPHIDAE (FAMILY)	5.	71.4	6.6	34.6
TOTAL	7.	100.0	9.3	48.5

TABLE: 79
 CRUISE: WC 80- 2
 SAMPLE NO.: 9
 DATE: 13/ 2/80
 VESSEL: G.B. REED
 POSITION: 49 0.0 N 126 33.0 W
 GRID POSITION:
 BOTTOM DEPTH: 161 M

WIND DIRECTION: 90 DEG
 WIND VELOCITY: 10 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.5 C
 STD NUMBER: 9
 BT/XBT NUMBER:
 TIME OF TOW: 2255 HR
 DEPTH OF TOW: 119 M

TOW SPEED: 1 MPS
 TYPE OF TOW:
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 113 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 10.54

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
MERLUCCIOUS PRODUCTUS	1.	5.3	8.8	10.5
SCORPAENIDAE (FAMILY)	17.	89.5	150.4	179.2
CYCLOPTERIDAE (FAMILY)	1.	5.3	8.8	10.5
TOTAL	19.	100.0	168.1	200.3

POST LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
HEXAGRAMMIDAE (FAMILY)	1.	33.3	8.8	10.5
CYCLOPTERIDAE (FAMILY)	2.	66.7	17.7	21.1
TOTAL	3.	100.0	26.5	31.6

TABLE: 80
 CRUISE: WC 80- 2
 SAMPLE NO.: 10
 DATE: 14/ 2/80
 VESSEL: G.R. REED
 POSITION: 49 0.0 N 126 14.0 W
 GRID POSITION:
 BOTTOM DEPTH: 101 M

WIND DIRECTION: 80 DEG
 WIND VELOCITY: 12 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 8.1 C
 STD NUMBER: 10
 BT/XBT NUMBER:
 TIME OF TOW: 0045 HR
 DEPTH OF TOW: 74 M

TOW SPEED: 1 .MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 133 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.M.F.: 5.58

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	7.	77.8	52.6	39.1
MERLUCCIOUS PRODUCTUS	2.	22.2	15.0	11.2
TOTAL	9.	100.0	67.7	50.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	4.	11.4	30.1	22.3
SCORPAENIDAE (FAMILY)	22.	62.9	165.4	122.8
COTTIDAE (FAMILY)	7.	20.0	52.6	39.1
CYCLOPTERIDAE (FAMILY)	2.	5.7	15.0	11.2
TOTAL	35.	100.0	263.2	195.3

TABLE: 81
 CRUISE: WC 80- 2
 SAMPLE NO.: 11
 DATE: 14/ 2/80
 VESSEL: G.R. REED
 POSITION: 49 0.0 N 126 4.0 W
 GRID POSITION:
 BOTTOM DEPTH: 59 M

WIND DIRECTION: 80 DEG
 WIND VELOCITY: 10 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 7.2 C
 STD NUMBER: 11
 BT/XBT NUMBER:
 TIME OF TOW: 0150 HR
 DEPTH OF TOW: 37 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 133 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 2.78

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	11.	45.8	82.7	30.6
THERAGRA CHALCOGRAMMA	13.	54.2	97.7	36.1
TOTAL	24.	100.0	180.5	66.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	1.	8.3	7.5	2.8
SCORPAENIDAE (FAMILY)	7.	58.3	52.6	19.5
COTTIDAE (FAMILY)	4.	33.3	30.1	11.1
TOTAL	12.	100.0	90.2	33.4

TABLE: R2
 CRUISE: WC 80- 2
 SAMPLE NO.: 12
 DATE: 14/ 2/80
 VESSEL: G.B. REED
 POSITION: 49 30.0 N 126 44.0 W
 GRID POSITION:
 BOTTOM DEPTH: 37 M

WIND DIRECTION: 45 DEG
 WIND VELOCITY: 13 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 0.0 C
 STD NUMBER:
 BT/XBT NUMBER:
 TIME OF TOW: 0550 HR
 DEPTH OF TOW: 20 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 163 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 1.22

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	2.	20.0	12.3	2.4
THERAGRA CHALCOGRAMMA	8.	80.0	49.1	9.8
TOTAL	10.	100.0	61.3	12.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	1.	5.0	6.1	1.2
OSMERIDAE (FAMILY)	1.	5.0	6.1	1.2
SCORPAENIDAE (FAMILY)	15.	75.0	92.0	18.3
HEXAGRAMMIDAE (FAMILY)	2.	10.0	12.3	2.4
CYCLOPTERIDAE (FAMILY)	1.	5.0	6.1	1.2
TOTAL	20.	100.0	122.7	24.4

TABLE: 83
 CRUISE: WC 80- 2
 SAMPLE NO.: 13
 DATE: 14/ 2/80
 VESSEL: G.B. REED
 POSITION: 49 30.0 N 126 54.0 W
 GRID POSITION:
 BOTTOM DEPTH: 104 M

WIND DIRECTION: 70 DEG
 WIND VELOCITY: 13 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 7.4 C
 STD NUMBER: 12
 BT/XBT NUMBER:
 TIME OF TOW: 0650 HR
 DEPTH OF TOW: 65 M

TOW SPEED: 1 MPS
 TYPE OF TOW: ORLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 171 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 3.80

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	3.	100.0	17.5	11.4
TOTAL	3.	100.0	17.5	11.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
SCORPAENIDAE(FAMILY)	25.	89.3	146.2	95.0
HEXAGRAMMIDAE(FAMILY)	2.	7.1	11.7	7.6
CYCLOPTERIDAE(FAMILY)	1.	3.6	5.8	3.8
TOTAL	28.	100.0	163.7	106.4

TABLE: A4
 CRUISE: WC 80- 2
 SAMPLE NO.: 14
 DATE: 14/ 2/80
 VESSEL: G.R. REED
 POSITION: 49 30.0 N 127 14.0 W
 GRID POSITION:
 BOTTOM DEPTH: 183 M

WIND DIRECTION: 85 DEG
 WIND VELOCITY: 10 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 8.4 C
 STD NUMBER: 13
 BT/XBT NUMBER:
 TIME OF TOW: 0840 HR
 DEPTH OF TOW: 137 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 190 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 7.23

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	1.	100.0	5.3	7.2

TOTAL	1.	100.0	5.3	7.2
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LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
SCORPAENIDAE (FAMILY)	4.	80.0	21.1	28.9
HEXAGRAMMIDAE (FAMILY)	1.	20.0	5.3	7.2

TOTAL	5.	100.0	26.3	36.1
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TABLE: 85
 CRUISE: WC 80- 2
 SAMPLE NO.: 15
 DATE: 14/ 2/80
 VESSEL: G.B. REED
 POSITION: 49 30.0 N 127 34.0 W
 GRID POSITION:
 BOTTOM DEPTH: 1353 M

WIND DIRECTION: 115 DEG
 WIND VELOCITY: 7 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 8.9 C
 STD NUMBER: 14
 BT/XBT NUMBER:
 TIME OF TOW: 1035 HR
 DEPTH OF TOW: 483 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 655 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 7.38

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	4.	50.0	6.1	29.5
ANOPLUPOMA FIMBRIA	4.	50.0	6.1	29.5
TOTAL	8.	100.0	12.2	59.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
BATHYLAGIDAE (FAMILY)	4.	100.0	6.1	29.5
TOTAL	4.	100.0	6.1	29.5

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
MYCTOPHIDAE (FAMILY)	1.	100.0	1.5	7.4
TOTAL	1.	100.0	1.5	7.4

TABLE: 86
 CRUISE: WC 80- 2
 SAMPLE NO.: 19
 DATE: 14/ 2/80
 VESSEL: G.B. REED
 POSITION: 50 0.0 N 127 35.0 W
 GRID POSITION:
 BOTTOM DEPTH: 64 M

WIND DIRECTION: 180 DEG
 WIND VELOCITY: 1 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.6 C
 STD NUMBER: 15
 BT/XBT NUMBER:
 TIME OF TOW: 1450 HR
 DEPTH OF TOW: 34 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: HONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 146 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 2.32

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	2.	66.7	13.7	4.6
MERLUCCIUS PRODUCTUS	1.	33.3	6.8	2.3
TOTAL	3.	100.0	20.5	7.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	3.	3.5	20.5	7.0
MERLUCCIUS PRODUCTUS	1.	1.2	6.8	2.3
AMMODYTES HEXAPTERUS	1.	1.2	6.8	2.3
SCORPAENIDAE (FAMILY)	42.	48.8	287.7	97.4
OPHIODON ELONGATUS	3.	3.5	20.5	7.0
COTTIDAE (FAMILY)	30.	34.9	205.5	69.6
CYCLOPTERIDAE (FAMILY)	6.	7.0	41.1	13.9
TOTAL	86.	100.0	589.0	199.5

POST LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
OPHIODON ELONGATUS	2.	66.7	13.7	4.6
CYCLOPTERIDAE (FAMILY)	1.	33.3	6.8	2.3
TOTAL	3.	100.0	20.5	7.0

TABLE: 87
 CRUISE: WC 80- 2
 SAMPLE NO.: 18
 DATE: 14/ 2/80
 VESSEL: G.B. REED
 POSITION: 50 0.0 N 127 40.0 W
 GRID POSITION:
 BOTTOM DEPTH: 82 M

WIND DIRECTION: 200 DEG
 WIND VELOCITY: 1 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.5 C
 STD NUMBER: 16
 BT/XBT NUMBER:
 TIME OF TOW: 1540 HR
 DEPTH OF TOW: 54 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 121 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 4.45

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
SCORPAENIDAE(FAMILY)	11.	37.9	90.9	48.9
OPHIODON ELONGATUS	1.	3.4	8.3	4.4
COTTIDAE(FAMILY)	17.	58.6	140.5	75.6
TOTAL	29.	100.0	239.7	129.0

TABLE: 88
 CRUISE: WC 80- 2
 SAMPLE NO.: 17
 DATE: 14/ 2/80
 VESSEL: G.B. REED
 POSITION: 50 0.0 N 127 45.6 W
 GRID POSITION:
 BOTTOM DEPTH: 174 M

WIND DIRECTION: 230 DEG
 WIND VELOCITY: 4 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.6 C
 STD NUMBER: 17
 BT/XBT NUMBER:
 TIME OF TOW: 1630 HR
 DEPTH OF TOW: 147 M

TOW SPEED: 1 MPS
 TYPE OF TOW:
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 190 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 7.75

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
SCORPAENIDAE(FAMILY)	13.	100.0	68.4	100.8
TOTAL	13.	100.0	68.4	100.8

TABLE: 89
 CRUISE: WC 80- 2
 SAMPLE NO.: 16
 DATE: 14/ 2/80
 VESSEL: G.H. REED
 POSITION: 50 0.0 N 127 52.0 W
 GRID POSITION:
 BOTTOM DEPTH: 951 M

WIND DIRECTION: 270 DEG
 WIND VELOCITY: 2 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT:
 SURFACE TEMP: 7.7 C
 STD NUMBER: 18
 RT/XRT NUMBER:
 TIME OF TOW: 1745 HR
 DEPTH OF TOW: 528 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 627 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 8.42

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	1.	5.3	1.6	8.4
ANOPLOPOMA FIMBRIA	18.	94.7	28.7	151.6
TOTAL	19.	100.0	30.3	160.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	4.	33.3	6.4	33.7
BATHYLAGIDAE (FAMILY)	2.	16.7	3.2	16.8
SCORPAENIDAE (FAMILY)	1.	8.3	1.6	8.4
COTTIDAE (FAMILY)	5.	41.7	8.0	42.1
TOTAL	12.	100.0	19.1	101.0

POST LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PLEURONECTIDAE (FAMILY)	1.	100.0	1.6	8.4
TOTAL	1.	100.0	1.6	8.4

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
MYCTOPHIDAE (FAMILY)	5.	100.0	8.0	42.1
TOTAL	5.	100.0	8.0	42.1

TABLE: 90
 CRUISE: WC 80- 2
 SAMPLE NO.: 20
 DATE: 14/ 2/80
 VESSEL: G.B. REED
 POSITION: 50 30.0 N 128 14.0 W
 GRID POSITION:
 BOTTOM DEPTH: 40 M

WIND DIRECTION: 85 DEG
 WIND VELOCITY: 7 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.8 C
 STD NUMBER:
 BT/XBT NUMBER:
 TIME OF TOW: 2135 HR
 DEPTH OF TOW: 22 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 163 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 1.35

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
AMMODYTES HEXAPTERUS	1.	16.7	6.1	1.3
SCORPAENIDAE (FAMILY)	3.	50.0	18.4	4.0
COTTIDAE (FAMILY)	2.	33.3	12.3	2.7
TOTAL	6.	100.0	36.8	8.1

TABLE: 91
 CRUISE: WC 80- 2
 SAMPLE NO.: 21
 DATE: 14/ 2/80
 VESSEL: G.B. REED
 POSITION: 50 30.0 N 128 19.0 W
 GRID POSITION:
 BOTTOM DEPTH: 91 M

WIND DIRECTION: 70 DEG
 WIND VELOCITY: 6 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.7 C
 STD NUMBER: 19
 BT/XBT NUMBER:
 TIME OF TOW: 2220 HR
 DEPTH OF TOW: 49 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 195 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 2.51

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	1.	2.3	5.1	2.5
AMMODYTES HEXAPTERUS	4.	9.3	20.5	10.0
SCORPAENIDAE (FAMILY)	37.	86.0	189.7	92.9
COTTIDAE (FAMILY)	1.	2.3	5.1	2.5
TOTAL	43.	100.0	220.5	107.9

TABLE: 92
 CRUISE: WC 80- 2
 SAMPLE NO.: 22
 DATE: 14/ 2/80
 VESSEL: G.R. KEED
 POSITION: 50 30.0 N 128 26.3 W
 GRID POSITION:
 BOTTOM DEPTH: 188 M

WIND DIRECTION: 140 DEG
 WIND VELOCITY: 7 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.7 C
 STD NUMBER: 20
 BT/XBT NUMBER:
 TIME OF TOW: 2315 HR
 DEPTH OF TOW: 131 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BUNGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 185 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 7.08

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
AMMODYTES HEXAPTERUS	1.	7.7	5.4	7.1
SCORPAENIDAE (FAMILY)	10.	76.9	54.1	70.8
COTTIDAE (FAMILY)	2.	15.4	10.8	14.2
TOTAL	13.	100.0	70.3	92.0

TABLE: 93
 CRUISE: WC 80- 2
 SAMPLE NO.: 23
 DATE: 15/ 2/80
 VESSEL: G.B. REED
 POSITION: 50 30.0 N 128 36.0 W
 GRID POSITION:
 BOTTOM DEPTH: 914 M

WIND DIRECTION: 130 DEG
 WIND VELOCITY: 7 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 7.7 C
 STD NUMBER: 21
 BT/XBT NUMBER:
 TIME OF TOW: 0045 HR
 DEPTH OF TOW: 523 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 514 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 10.18

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
ANOPLLOPOMA FIMBRIA	2.	100.0	3.9	20.4
TOTAL	2.	100.0	3.9	20.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
BATHYLAGIDAE(FAMILY)	1.	25.0	1.9	10.2
SCORPAENIDAE(FAMILY)	3.	75.0	5.8	30.5
TOTAL	4.	100.0	7.8	40.7

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	25.0	1.9	10.2
CHAULIODONTIDAE(FAMILY)	1.	25.0	1.9	10.2
MYCTOPHIDAE(FAMILY)	2.	50.0	3.9	20.4
TOTAL	4.	100.0	7.8	40.7

TABLE: 94
 CRUISE: WC 80- 2
 SAMPLE NO.: 27
 DATE: 15/ 2/80
 VESSEL: G.B. REED
 POSITION: 51 0.0 N 128 31.0 W
 GRID POSITION:
 BOTTOM DEPTH: 88 M

WIND DIRECTION: 115 DEG
 WIND VELOCITY: 14 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 7.2 C
 STD NUMBER: 22
 BT/XBT NUMBER:
 TIME OF TOW: 0430 HR
 DEPTH OF TOW: 58 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 116 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 5.01

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
HEXAGRAMMIDAE (FAMILY)	1.	50.0	8.6	5.0
COTTIDAE (FAMILY)	1.	50.0	8.6	5.0
TOTAL	2.	100.0	17.2	10.0

POST LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
CITHARICHTHYS SORDIDUS	1.	100.0	8.6	5.0
TOTAL	1.	100.0	8.6	5.0

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
THALEICHTHYS PACIFICUS	1.	100.0	8.6	5.0
TOTAL	1.	100.0	8.6	5.0

TABLE: 95
 CRUISE: WC 80- 2
 SAMPLE NO.: 26
 DATE: 15/ 2/80
 VESSEL: G.B. REED
 POSITION: 51 0.0 N 128 56.0 W
 GRID POSITION:
 BOTTOM DEPTH: 73 M

WIND DIRECTION: 125 DEG
 WIND VELOCITY: 10 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 8.0 C
 STD NUMBER:
 BT/XBT NUMBER:
 TIME OF TOW: 0612 HR
 DEPTH OF TOW: 48 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 139 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 3.45

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
MERLUCCIOUS PRODUCTUS	1.	6.7	7.2	3.4
SCORPAENIDAE (FAMILY)	9.	60.0	64.7	31.1
COTTIDAE (FAMILY)	4.	26.7	28.8	13.8
CYCLOPTERIDAE (FAMILY)	1.	6.7	7.2	3.4
TOTAL	15.	100.0	107.9	51.7

TABLE: 96
 CRUISE: WC 80- 2
 SAMPLE NO.: 25
 DATE: 15/ 2/80
 VESSEL: G.B. REED
 POSITION: 51 0.0 N 129 21.0 W
 GRID POSITION:
 BOTTOM DEPTH: 179 M

WIND DIRECTION: 110 DEG
 WIND VELOCITY: 8 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 8.0 C
 STD NUMBER: 23
 BT/XBT NUMBER:
 TIME OF TOW: 0802 HR
 DEPTH OF TOW: 139 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 286 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 4.85

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
SCORPAENIDAE (FAMILY)	3.	30.0	10.5	14.5
COTTIDAE (FAMILY)	7.	70.0	24.5	33.9
TOTAL	10.	100.0	35.0	48.5

TABLE: 97
 CRUISE: WC 80- 2
 SAMPLE NO.: 24
 DATE: 15/ 2/80
 VESSEL: G.B. REED
 POSITION: 51 0.0 N 129 48.0 W
 GRID POSITION:
 BOTTOM DEPTH: 914 M

WIND DIRECTION: 145 DEG
 WIND VELOCITY: 12 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 8.3 C
 STD NUMBER: 24
 RT/XBT NUMBER:
 TIME OF TOW: 1017 HR
 DEPTH OF TOW: 583 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 700 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 8.33

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	10.0	2.9	16.7
ANOPLLOPOMA FIMBRIA	18.	90.0	25.7	149.9
TOTAL	20.	100.0	28.6	166.6

POST LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CITHARICHTHYS SORDIDUS	2.	100.0	2.9	16.7
TOTAL	2.	100.0	2.9	16.7

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MYCTOPHIDAE(FAMILY)	2.	100.0	2.9	16.7
TOTAL	2.	100.0	2.9	16.7

TABLE: 9A
CRUISE: WC 80- 2
SAMPLE NO.: 32
DATE: 15/ 2/80
VESSEL: G.B. REED
POSITION: 51 30.0 N 129 51.0 W
GRID POSITION:
BOTTOM DEPTH: 192 M

WIND DIRECTION: 110 DEG
WIND VELOCITY: 14 MPS
WAVE HEIGHT:
SWELL HEIGHT: 1 M
SURFACE TEMP: 7.8 C
STD NUMBER: 25
RT/XBT NUMBER:
TIME OF TOW: 1452 HR
DEPTH OF TOW: 148 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 257 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 5.77

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	0.	0.0	0.0	0.0
TOTAL	0.	0.0	0.0	0.0

TABLE: 99
 CRUISE: WC 80- 2
 SAMPLE NO.: 33
 DATE: 15/ 2/80
 VESSEL: G.B. REED
 POSITION: 51 30.0 N 130 7.5 W
 GRID POSITION:
 BOTTOM DEPTH: 914 M

WIND DIRECTION: 100 DEG
 WIND VELOCITY: 12 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 2 M
 SURFACE TEMP: 8.1 C
 STD NUMBER: 26
 HT/XBT NUMBER: 2
 TIME OF TOW: 1657 HR
 DEPTH OF TOW: 445 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 795 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 5.60

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
ANUPLUPOMA FIMBRIA	8.	100.0	10.1	44.8
TOTAL	8.	100.0	10.1	44.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
BATHYLAGIDAE (FAMILY)	1.	50.0	1.3	5.6
COTTIDAE (FAMILY)	1.	50.0	1.3	5.6
TOTAL	2.	100.0	2.5	11.2

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
CYCLOTHONE MICRODUN	1.	20.0	1.3	5.6
MYCTOPHIDAE (FAMILY)	4.	80.0	5.0	22.4
TOTAL	5.	100.0	6.3	28.0

TABLE: 100
 CRUISE: WC 80- 2
 SAMPLE NO.: 34
 DATE: 15/ 2/80
 VESSEL: G.B. REED
 POSITION: 52 0.0 N 131 9.0 W
 GRID POSITION:
 BOTTOM DEPTH: 100 M

WIND DIRECTION: 110 DEG
 WIND VELOCITY: 10 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 7.8 C
 STD NUMBER: 27
 BT/XBT NUMBER:
 TIME OF TOW: 2220 HR
 DEPTH OF TOW: 90 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGU .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 187 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 4.80

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
COTTIDAE (FAMILY)	2.	100.0	10.7	9.6
TOTAL	2.	100.0	10.7	9.6

TABLE: 101
 CRUISE: WC 80- 2
 SAMPLE NO.: 35
 DATE: 15/ 2/80
 VESSEL: G.B. REED
 POSITION: 52 0.0 N 131 10.5 W
 GRID POSITION:
 BOTTOM DEPTH: 174 M

WIND DIRECTION: 100 DEG
 WIND VELOCITY: 12 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 7.7 C
 STD NUMBER: 28
 BT/XBT NUMBER:
 TIME OF TOW: 2305 HR
 DEPTH OF TOW: 135 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGU .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 212 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 6.36

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
SCORPAENIDAE (FAMILY)	1.	100.0	4.7	6.4
TOTAL	1.	100.0	4.7	6.4

TABLE: 102
 CRUISE: WC 80- 2
 SAMPLE NO.: 36
 DATE: 16/ 2/80
 VESSEL: G.B. REED
 POSITION: 52 0.0 N 131 20.0 W
 GRID POSITION:
 BOTTOM DEPTH: 1061 M

WIND DIRECTION: 90 DEG
 WIND VELOCITY: 13 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 7.4 C
 STD NUMBER: 29
 BT/XBT NUMBER:
 TIME OF TOW: 0010 HR
 DEPTH OF TOW: 508 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 584 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 8.70

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
ANOPLLOPOMA FIMBRIA	47.	100.0	80.5	408.9
TOTAL	47.	100.0	80.5	408.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
BATHYLAGIDAE (FAMILY)	1.	100.0	1.7	8.7
TOTAL	1.	100.0	1.7	8.7

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
MYCTOPHIDAE (FAMILY)	7.	100.0	12.0	60.9
TOTAL	7.	100.0	12.0	60.9

TABLE: 103
 CRUISE: WC 80- 2
 SAMPLE NO.: 38
 DATE: 16/ 2/80
 VESSEL: G.B. REED
 POSITION: 52 30.0 N 131 47.0 W
 GRID POSITION:
 BOTTOM DEPTH: 201 M

WIND DIRECTION: 80 DEG
 WIND VELOCITY: 19 MPS
 WAVE HEIGHT:
 SWELL HEIGHT:
 SURFACE TEMP: 7.3 C
 STD NUMBER: 30
 BT/XBT NUMBER:
 TIME OF TOW: 0416 HR
 DEPTH OF TOW: 182 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BUNGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 281 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 6.47

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	50.0	3.6	6.5
ANOPLDPOMA FIMBRIA	1.	50.0	3.6	6.5
TOTAL	2.	100.0	7.1	12.9

TABLE: 104
 CRUISE: WC 80- 2
 SAMPLE NO.: 37
 DATE: 16/ 2/80
 VESSEL: G.B. REED
 POSITION: 52 30.0 N 131 53.2 W
 GRID POSITION:
 BOTTOM DEPTH: 914 M

WIND DIRECTION: 70 DEG
 WIND VELOCITY: 17 MPS
 WAVE HEIGHT:
 SWELL HEIGHT:
 SURFACE TEMP: 7.5 C
 STD NUMBER: 31
 BT/XBT NUMBER:
 TIME OF TOW: 0515 HR
 DEPTH OF TOW: 476 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: HONGU .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 570 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 8.35

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
ANOPLDPOMA FIMBRIA	24.	100.0	42.1	200.4
TOTAL	24.	100.0	42.1	200.4

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CHAULIODONTIDAE (FAMILY)	1.	33.3	1.8	8.3
MYCTOPHIDAE (FAMILY)	2.	66.7	3.5	16.7
TOTAL	3.	100.0	5.3	25.0

TABLE: 105
 CRUISE: WC 80- 2
 SAMPLE NO.: 39
 DATE: 16/ 2/80
 VESSEL: G.B. REED
 POSITION: 53 0.0 N 132 26.0 W
 GRID POSITION:
 BOTTOM DEPTH: 110 M

WIND DIRECTION: 65 DEG
 WIND VELOCITY: 13 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.8 C
 STD NUMBER: 32
 BT/XBT NUMBER:
 TIME OF TOW: 1005 HR
 DEPTH OF TOW: 63 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 260 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 2.42

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
THERAGRA CHALCOGRAMMA	7.	100.0	26.9	16.9
TOTAL	7.	100.0	26.9	16.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	100.0	3.8	2.4
TOTAL	1.	100.0	3.8	2.4

TABLE: 106
 CRUISE: WC 80- 2
 SAMPLE NO.: 40
 DATE: 16/ 2/80
 VESSEL: G.B. REED
 POSITION: 53 0.0 N 132 40.0 W
 GRID POSITION:
 BOTTOM DEPTH: 201 M

WIND DIRECTION: 75 DEG
 WIND VELOCITY: 11 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.7 C
 STD NUMBER: 33
 BT/XBT NUMBER:
 TIME OF TOW: 1110 HR
 DEPTH OF TOW: 155 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 206 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 7.51

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	3.	60.0	14.6	22.5
BATHYLAGIDAE (FAMILY)	1.	20.0	4.9	7.5
SCORPAENIDAE (FAMILY)	1.	20.0	4.9	7.5
TOTAL	5.	100.0	24.3	37.5

TABLE: 107
 CRUISE: WC 80- 2
 SAMPLE NO.: 41
 DATE: 16/ 2/80
 VESSEL: G.B. REED
 POSITION: 53 0.0 N 132 36.0 W
 GRID POSITION:
 BOTTOM DEPTH: 914 M

WIND DIRECTION: 100 DEG
 WIND VELOCITY: 11 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 7.5 C
 STD NUMBER: 34
 BT/XBT NUMBER:
 TIME OF TOW: 1158 HR
 DEPTH OF TOW: 439 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 759 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 5.78

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	2.	5.0	2.6	11.6
ANOPLOPOMA FIMBRIA	38.	95.0	50.1	219.6
TOTAL	40.	100.0	52.7	231.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	3.	60.0	4.0	17.3
BATHYLAGIDAE (FAMILY)	1.	20.0	1.3	5.8
SCORPAENIDAE (FAMILY)	1.	20.0	1.3	5.8
TOTAL	5.	100.0	6.6	28.9

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
MYCTOPHIDAE (FAMILY)	14.	100.0	18.4	80.9
TOTAL	14.	100.0	18.4	80.9

TABLE: 10A
 CRUISE: WC 80- 2
 SAMPLE NO.: 44
 DATE: 16/ 2/80
 VESSEL: G.R. REED
 POSITION: 53 20.0 N 132 48.5 W
 GRID POSITION:
 BOTTOM DEPTH: 128 M

WIND DIRECTION: 100 DEG
 WIND VELOCITY: 11 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.2 C
 STD NUMBER: 35
 HT/XBT NUMBER:
 TIME OF TOW: 1558 HR
 DEPTH OF TOW: 96 M

TOW SPEED: 1 MPS
 TYPE OF TOW:
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 183 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 5.25

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	25.0	5.5	5.3
SCORPAENIDAE(FAMILY)	3.	75.0	16.4	15.8
TOTAL	4.	100.0	21.9	21.0

TABLE: 109
 CRUISE: WC 80- 2
 SAMPLE NO.: 43
 DATE: 16/ 2/80
 VESSEL: G.R. REED
 POSITION: 53 20.0 N 133 1.0 W
 GRID POSITION:
 BOTTOM DEPTH: 201 M

WIND DIRECTION: 80 DEG
 WIND VELOCITY: 10 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT:
 SURFACE TEMP: 7.1 C
 STD NUMBER: 36
 HT/XBT NUMBER:
 TIME OF TOW: 1700 HR
 DEPTH OF TOW: 152 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 248 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 6.14

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	50.0	8.1	12.3
HEXAGRAMMIDAE(FAMILY)	1.	25.0	4.0	6.1
CYCLOPTERIDAE(FAMILY)	1.	25.0	4.0	6.1
TOTAL	4.	100.0	16.1	24.6

TABLE: 110
CRUISE: WC 80- 2
SAMPLE NO.: 43A
DATE: 16/ 2/80
VESSEL: G.B. REED
POSITION: 53 20.0 N 133 5.4 W
GRID POSITION:
BOTTOM DEPTH: 190 M

WIND DIRECTION: 70 DEG
WIND VELOCITY: 10 MPS
WAVE HEIGHT:
SWELL HEIGHT: 1 M
SURFACE TEMP: 7.1 C
STD NUMBER: 37
BT/XBT NUMBER:
TIME OF TOW: 1819 HR
DEPTH OF TOW: 174 M

TOW SPEED: 1 MPS
TYPE OF TOW:
GEAR TYPE: BUNGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 191 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQOT:
S.H.F.: 9.13

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	0.	0.0	0.0	0.0
TOTAL	0.	0.0	0.0	0.0

TABLE: 111
 CRUISE: WC 80- 2
 SAMPLE NO.: 43B
 DATE: 16/ 2/80
 VESSEL: G.B. REED
 POSITION: 53 20.0 N 133 9.0 W
 GRID POSITION:
 BOTTOM DEPTH: 622 M

WIND DIRECTION: 85 DEG
 WIND VELOCITY: 12 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 7.3 C
 STD NUMBER: 38
 RT/XBT NUMBER:
 TIME OF TOW: 1915 HR
 DEPTH OF TOW: 350 M

TOW SPEED: 1 MPB
 TYPE OF TOW:
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 391 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 8.95

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
ANOPLOPOMA FIMBRIA	2.	100.0	5.1	17.9
TOTAL	2.	100.0	5.1	17.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	3.	60.0	7.7	26.9
LEUKOGLOSSUS STILBIUS	1.	20.0	2.6	8.9
COTTIDAE(FAMILY)	1.	20.0	2.6	8.9
TOTAL	5.	100.0	12.8	44.8

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CHAULIODONTIDAE(FAMILY)	1.	50.0	2.6	8.9
MYCTOPHIDAE(FAMILY)	1.	50.0	2.6	8.9
TOTAL	2.	100.0	5.1	17.9

TABLE: 112
 CRUISE: WC 80- 2
 SAMPLE NO.: 42
 DATE: 16/ 2/80
 VESSEL: G.B. REED
 POSITION: 53 20.0 N 133 19.0 W
 GRID POSITION:
 BOTTOM DEPTH: 1061 M

WIND DIRECTION: 85 DEG
 WIND VELOCITY: 12 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 7.1 C
 STD NUMBER: 39
 BT/XBT NUMBER:
 TIME OF TOW: 2056 HR
 DEPTH OF TOW: 548 M

TOW SPEED: 1 MPS
 TYPE OF TOW:
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 693 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 7.91

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
ANOPLLOPOMA FIMBRIA	2.	100.0	2.9	15.8
TOTAL	2.	100.0	2.9	15.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
BATHYLAGIDAE (FAMILY)	1.	50.0	1.4	7.9
MYCTOPHIDAE (FAMILY)	1.	50.0	1.4	7.9
TOTAL	2.	100.0	2.9	15.8

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
MYCTOPHIDAE (FAMILY)	7.	100.0	10.1	55.4
TOTAL	7.	100.0	10.1	55.4

TABLE: 113
 CRUISE: WC 80- 2
 SAMPLE NO.: 45
 DATE: 17/ 2/80
 VESSEL: G.B. REED
 POSITION: 54 0.0 N 133 17.5 W
 GRID POSITION:
 BOTTOM DEPTH: 55 M

WIND DIRECTION: 80 DEG
 WIND VELOCITY: 12 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.7 C
 STD NUMBER: 40
 BT/XBT NUMBER:
 TIME OF TOW: 0205 HR
 DEPTH OF TOW: 31 M

TOW SPEED: 1 MPS
 TYPE OF TOW:
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 143 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 2.18

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
SCORPAENIDAE (FAMILY)	1.	33.3	7.0	2.2
COTTIDAE (FAMILY)	2.	66.7	14.0	4.4
TOTAL	3.	100.0	21.0	6.5

TABLE: 114
 CRUISE: WC 80- 2
 SAMPLE NO.: 46
 DATE: 17/ 2/80
 VESSEL: G.B. REED
 POSITION: 54 0.0 N 133 27.0 W
 GRID POSITION:
 BOTTOM DEPTH: 91 M

WIND DIRECTION: 80 DEG
 WIND VELOCITY: 13 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 7.3 C
 STD NUMBER: 41
 BT/XBT NUMBER:
 TIME OF TOW: 0303 HR
 DEPTH OF TOW: 64 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 131 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 4.88

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
STICHAETIDAE (FAMILY)	1.	50.0	7.6	4.9
COTTIDAE (FAMILY)	1.	50.0	7.6	4.9
TOTAL	2.	100.0	15.3	9.8

TABLE: 115
 CRUISE: WC 80- 2
 SAMPLE NO.: 47
 DATE: 17/ 2/80
 VESSEL: G.B. REED
 POSITION: 54 0.0 N 133 31.0 W
 GRID POSITION:
 BOTTOM DEPTH: 183 M

WIND DIRECTION: 80 DEG
 WIND VELOCITY: 13 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 7.1 C
 STD NUMBER: 42
 BT/XBT NUMBER:
 TIME OF TOW: 0345 HR
 DEPTH OF TOW: 177 M

TOW SPEED: 1 MPS
 TYPE OF TOW:
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 251 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 7.07

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
SCORPAENIDAE(FAMILY)	1.	100.0	4.0	7.1
TOTAL	1.	100.0	4.0	7.1

TABLE: 116
 CRUISE: WC 80- 2
 SAMPLE NO.: 48
 DATE: 17/ 2/80
 VESSEL: G.B. REED
 POSITION: 54 0.0 N 133 48.0 W
 GRID POSITION:
 BOTTOM DEPTH: 914 M

WIND DIRECTION: 80 DEG
 WIND VELOCITY: 12 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 6.7 C
 STD NUMBER: 43
 BT/XBT NUMBER:
 TIME OF TOW: 0517 HR
 DEPTH OF TOW: 494 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 614 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 8.04

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MYCTOPHIDAE(FAMILY)	4.	100.0	6.5	32.2
TOTAL	4.	100.0	6.5	32.2

TABLE: 117
 CRUISE: WC 80- 2
 SAMPLE NO.: 49
 DATE: 17/ 2/80
 VESSEL: G.B. REED
 POSITION: 54 30.0 N 134 6.0 W
 GRID POSITION:
 BOTTOM DEPTH: 900 M

WIND DIRECTION: 65 DEG
 WIND VELOCITY: 10 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 6.7 C
 STD NUMBER: 44
 BT/XBT NUMBER:
 TIME OF TOW: 0925 HR
 DEPTH OF TOW: 430 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 787 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 5.46

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
ANOPLOPOMA FIMBRIA	59.	100.0	75.0	322.1
TOTAL	59.	100.0	75.0	322.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	5.	83.3	6.4	27.3
CYCUPTERIDAE(FAMILY)	1.	16.7	1.3	5.5
TOTAL	6.	100.0	7.6	32.8

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MYCTOPHIDAE(FAMILY)	10.	100.0	12.7	54.6
TOTAL	10.	100.0	12.7	54.6

TABLE: 118
 CRUISE: WC 80- 2
 SAMPLE NO.: 50
 DATE: 17/ 2/80
 VESSEL: G.R. REED
 POSITION: 54 30.0 N 133 49.0 W
 GRID POSITION:
 BOTTOM DEPTH: 256 M

WIND DIRECTION: 85 DEG
 WIND VELOCITY: 11 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 6.4 C
 STD NUMBER: 45
 BT/XBT NUMBER:
 TIME OF TOW: 1145 HR
 DEPTH OF TOW: 261 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 292 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 8.95

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	4.8	3.4	8.9
ANOPLOPOMA FIMBRIA	20.	95.2	68.5	179.0
TOTAL	21.	100.0	71.9	187.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	50.0	6.8	17.9
HEXAGRAMMIDAE (FAMILY)	1.	25.0	3.4	8.9
COTTIDAE (FAMILY)	1.	25.0	3.4	8.9
TOTAL	4.	100.0	13.7	35.8

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MYCTOPHIDAE (FAMILY)	1.	100.0	3.4	8.9
TOTAL	1.	100.0	3.4	8.9

TABLE: 119
 CRUISE: WC 80- 2
 SAMPLE NO.: 51
 DATE: 17/ 2/80
 VESSEL: G.B. REED
 POSITION: 54 30.0 N 133 22.0 W
 GRID POSITION:
 BOTTOM DEPTH: 293 M

WIND DIRECTION: 90 DEG
 WIND VELOCITY: 12 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 7.3 C
 STD NUMBER: 46
 BT/XBT NUMBER:
 TIME OF TOW: 1416 HR
 DEPTH OF TOW: 247 M

TOW SPEED: 1 MPS
 TYPE OF TOW:
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 577 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 4.28

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	1.	50.0	1.7	4.3
COTTIDAE(FAMILY)	1.	50.0	1.7	4.3
TOTAL	2.	100.0	3.5	8.6

POST LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
COTTIDAE(FAMILY)	1.	100.0	1.7	4.3
TOTAL	1.	100.0	1.7	4.3

TABLE: 120
 CRUISE: WC 80- 2
 SAMPLE NO.: 52
 DATE: 17/ 2/80
 VESSEL: G.B. REED
 POSITION: 54 30.0 N 132 55.0 W
 GRID POSITION:
 BOTTOM DEPTH: 330 M

WIND DIRECTION: 90 DEG
 WIND VELOCITY: 11 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 6.6 C
 STD NUMBER: 47
 BT/XBT NUMBER:
 TIME OF TOW: 1650 HR
 DEPTH OF TOW: 278 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 320 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 8.69

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
AMMODYTES HEXAPTERUS	1.	33.3	3.1	8.7
COTTIDAE(FAMILY)	2.	66.7	6.3	17.4
TOTAL	3.	100.0	9.4	26.1

TABLE: 121
 CRUISE: WC 80- 2
 SAMPLE NO.: 53
 DATE: 17/ 2/80
 VESSEL: G.B. REED
 POSITION: 54 30.0 N 132 27.0 W
 GRID POSITION:
 BOTTOM DEPTH: 365 M

WIND DIRECTION: 90 DEG
 WIND VELOCITY: 9 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 5.9 C
 STD NUMBER: 48
 RT/XBT NUMBER:
 TIME OF TOW: 1935 HR
 DEPTH OF TOW: 304 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BUNGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 411 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 7.39

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	1.	100.0	2.4	7.4
TOTAL	1.	100.0	2.4	7.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
STICHAEIDAE (FAMILY)	1.	33.3	2.4	7.4
COTTIDAE (FAMILY)	2.	66.7	4.9	14.8
TOTAL	3.	100.0	7.3	22.2

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
MYCTOPHIDAE (FAMILY)	1.	100.0	2.4	7.4
TOTAL	1.	100.0	2.4	7.4

TABLE: 122
 CRUISE: WC 80- 2
 SAMPLE NO.: 57
 DATE: 17/ 2/80
 VESSEL: G.B. REED
 POSITION: 54 30.0 N 132 0.0 W
 GRID POSITION:
 BOTTOM DEPTH: 247 M

WIND DIRECTION: 70 DEG
 WIND VELOCITY: 10 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 6.0 C
 STD NUMBER: 49
 BT/XBT NUMBER:
 TIME OF TOW: 2152 HR
 DEPTH OF TOW: 152 M

TOW SPEED: 1 MPS
 TYPE OF TOW:
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 275 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 5.52

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	12.5	3.6	5.5
AMMODYTES HEXAPTERUS	7.	87.5	25.5	38.6
TOTAL	8.	100.0	29.1	44.2

POST LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
CITHARICHTHYS SORDIDUS	1.	100.0	3.6	5.5
TOTAL	1.	100.0	3.6	5.5

TABLE: 123
 CRUISE: WC 80- 2
 SAMPLE NO.: 55
 DATE: 17/ 2/80
 VESSEL: G.B. REED
 POSITION: 54 30.0 N 131 34.0 W
 GRID POSITION:
 BOTTOM DEPTH: 260 M

WIND DIRECTION: 75 DEG
 WIND VELOCITY: 14 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 6.3 C
 STD NUMBER: 50
 BT/XBT NUMBER:
 TIME OF TOW: 2347 HR
 DEPTH OF TOW: 234 M

TOW SPEED: 1 MPS
 TYPE OF TOW:
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 212 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 9.70

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
AMMODYTES HEXAPTERUS	2.	66.7	9.4	19.4
COTTIDAE (FAMILY)	1.	33.3	4.7	9.7
TOTAL	3.	100.0	14.2	29.1

TABLE: 124
 CRUISE: WC 80- 2
 SAMPLE NO.: 56
 DATE: 1R/ 2/80
 VESSEL: G.R. REED
 POSITION: 54 30.0 N 131 7.0 W
 GRID POSITION:
 BOTTOM DEPTH: 140 M

WIND DIRECTION: 60 DEG
 WIND VELOCITY: 10 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 5.9 C
 STD NUMBER: 51
 BT/XBT NUMBER:
 TIME OF TOW: 0200 HR
 DEPTH OF TOW: 147 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 204 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 7.22

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
AMMODYTES HEXAPTERUS	2.	66.7	9.8	14.4
SCORPAENIDAE(FAMILY)	1.	33.3	4.9	7.2
TOTAL	3.	100.0	14.7	21.7

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
AGONIIDAE(FAMILY)	1.	100.0	4.9	7.2
TOTAL	1.	100.0	4.9	7.2

TABLE: 125
 CRUISE: WC 80- 2
 SAMPLE NO.: 57
 DATE: 18/ 2/80
 VESSEL: G.B. REED
 POSITION: 54 0.0 N 131 25.0 W
 GRID POSITION:
 BOTTOM DEPTH: 22 M

WIND DIRECTION: 60 DEG
 WIND VELOCITY: 7 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 6.8 C
 STD NUMBER:
 BT/XBT NUMBER:
 TIME OF TOW: 0528 HR
 DEPTH OF TOW: 13 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: HONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 144 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 0.90

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	22.2	13.9	1.8
AMMOOYTES HEXAPTERUS	1.	11.1	6.9	0.9
SCORPAENIDAE(FAMILY)	2.	22.2	13.9	1.8
HEXAGRAMMIDAE(FAMILY)	2.	22.2	13.9	1.8
COTTIDAE(FAMILY)	2.	22.2	13.9	1.8
TOTAL	9.	100.0	62.5	8.1

TABLE: 126
 CRUISE: WC 80- 2
 SAMPLE NO.: 58
 DATE: 18/ 2/80
 VESSEL: G.B. REED
 POSITION: 54 0.0 N 131 8.0 W
 GRID POSITION:
 BOTTOM DEPTH: 31 M

WIND DIRECTION: 70 DEG
 WIND VELOCITY: 7 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT:
 SURFACE TEMP: 7.2 C
 STD NUMBER:
 BT/XBT NUMBER:
 TIME OF TDW: 0650 HR
 DEPTH OF TDW: 18 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 145 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 1.25

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	47.	100.0	324.1	58.8
TOTAL	47.	100.0	324.1	58.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
GADIDAE (FAMILY)	1.	10.0	6.9	1.3
SCORPAENIDAE (FAMILY)	2.	20.0	13.8	2.5
HEXAGRAMMIDAE (FAMILY)	5.	50.0	34.5	6.3
COTTIDAE (FAMILY)	2.	20.0	13.8	2.5
TOTAL	10.	100.0	69.0	12.5

TABLE: 127
 CRUISE: WC 80- 2
 SAMPLE NO.: 59
 DATE: 18/ 2/80
 VESSEL: G.B. REED
 POSITION: 59 0.0 N 130 55.0 W
 GRIQ POSITION:
 BOTTOM DEPTH: 73 M

WIND DIRECTION: 80 DEG
 WIND VELOCITY: 7 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT:
 SURFACE TEMP: 6.8 C
 STD NUMBER: 52
 BT/XRT NUMBER:
 TIME OF TOW: 0742 HR
 DEPTH OF TOW: 51 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GFAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 223 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 2.29

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	6.	100.0	26.9	13.7
TOTAL	6.	100.0	26.9	13.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
SCORPAENIDAE (FAMILY)	1.	33.3	4.5	2.3
COTTIOAE (FAMILY)	2.	66.7	9.0	4.6
TOTAL	3.	100.0	13.5	6.9

TABLE: 128
 CRUISE: WC 80- 2
 SAMPLE NO.: 60
 DATE: 18/ 2/80
 VESSEL: G.B. REED
 POSITION: 53 30.0 N 130 42.0 W
 GRID POSITION:
 BOTTOM DEPTH: 146 M

WIND DIRECTION: 60 DEG
 WIND VELOCITY: 5 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.0 C
 STD NUMBER: 53
 BT/XBT NUMBER:
 TIME OF TOW: 1135 HR
 DEPTH OF TOW: 101 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 207 M3
 DTSP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 4.88

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	2.	100.0	9.7	9.8
TOTAL	2.	100.0	9.7	9.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
COTTIDAE(FAMILY)	2.	100.0	9.7	9.8
TOTAL	2.	100.0	9.7	9.8

TABLE: 129
 CRUISE: WC 80- 2
 SAMPLE NO.: 81
 DATE: 18/ 2/80
 VESSEL: G.H. REED
 POSITION: 53 30.0 N 131 5.0 W
 GRID POSITION:
 BOTTOM DEPTH: 40 M

WIND DIRECTION: 60 DEG
 WIND VELOCITY: 4 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.5 C
 STD NUMBER:
 BT/XBT NUMBER:
 TIME OF TDW: 1350 HR
 DEPTH OF TOW: 26 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGU .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 170 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 1.53

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	100.0	5.9	1.5
TOTAL	1.	100.0	5.9	1.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
HEXAGRAMMIDAE (FAMILY)	1.	50.0	5.9	1.5
COTTIDAE (FAMILY)	1.	50.0	5.9	1.5
TOTAL	2.	100.0	11.8	3.1

TABLE: 130
 CRUISE: WC 80- 2
 SAMPLE NO.: 62
 DATE: 18/ 2/80
 VESSEL: G.R. REED
 POSITION: 53 30.0 N 131 32.0 W
 GRID POSITION:
 BOTTOM DEPTH: 24 M

WIND DIRECTION: 80 DEG
 WIND VELOCITY: 3 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 6.7 C
 STD NUMBER:
 BT/XBT NUMBER:
 TIME OF TOW: 1520 HR
 DEPTH OF TOW: 18 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BUNGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 134 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 1.37

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	8.	100.0	59.7	11.0
TOTAL	8.	100.0	59.7	11.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
AMMODYTES HEXAPTERUS	27.	84.4	201.5	37.0
SCORPAENIDAE(FAMILY)	1.	3.1	7.5	1.4
COTTIDAE(FAMILY)	3.	9.4	22.4	4.1
AGONIDAE(FAMILY)	1.	3.1	7.5	1.4
TOTAL	32.	100.0	238.8	43.8

TABLE: 131
 CRUISE: WC 80- 2
 SAMPLE NO.: 63
 DATE: 18/ 2/80
 VESSEL: G.B. REED
 POSITION: 53 0.0 N 131 6.0 W
 GRID POSITION:
 BOTTOM DEPTH: 26 M

WIND DIRECTION: 65 DEG
 WIND VELOCITY: 3 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.4 C
 STD NUMBER:
 BT/XBT NUMBER:
 TIME OF TOW: 1832 HR
 DEPTH OF TOW: 16 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 148 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 1.08

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	24.	100.0	162.2	25.9
TOTAL	24.	100.0	162.2	25.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	2.	3.4	13.5	2.2
MICROGADUS PROXIMUS	10.	17.2	67.6	10.8
HEXAGRAMMIDAE (FAMILY)	40.	69.0	270.3	43.2
COTTIDAE (FAMILY)	6.	10.3	40.5	6.5
TOTAL	58.	100.0	391.9	62.6

TABLE: 132
 CRUISE: WC 80- 2
 SAMPLE NU.: 64
 DATE: 18/ 2/80
 VESSEL: G.R. REED
 POSITION: 53 0.0 N 130 40.0 W
 GRID POSITION:
 BOTTOM DEPTH: 128 M

WIND DIRECTION: 85 DEG
 WIND VELOCITY: 6 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.5 C
 STD NUMBER: 54
 BT/XBT NUMBER:
 TIME OF TOW: 2021 HR
 DEPTH OF TOW: 106 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BUNGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 167 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 6.35

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	4.	100.0	24.0	25.4
TOTAL	4.	100.0	24.0	25.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
COTTIDAE(FAMILY)	4.	100.0	24.0	25.4
TOTAL	4.	100.0	24.0	25.4

TABLE: 135
 CRUISE: WC 80- 2
 SAMPLE NO.: 67
 DATE: 19/ 2/80
 VESSEL: G.R. REED
 POSITION: 52 30.0 N 129 48.0 W
 GRID POSITION:
 BOTTOM DEPTH: 200 M

WIND DIRECTION: 60 DEG
 WIND VELOCITY: 4 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT:
 SURFACE TEMP: 7.2 C
 STD NUMBER: 57
 BT/XBT NUMBER:
 TIME OF TOW: 0351 HR
 DEPTH OF TOW: 176 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 281 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 6.26

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
COTTIDAE(FAMILY)	3.	100.0	10.7	18.8
TOTAL	3.	100.0	10.7	18.8

POST LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CITHARICHTHYS SORDIDUS	1.	100.0	3.6	6.3
TOTAL	1.	100.0	3.6	6.3

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TABLE: 136
 CRUISE: WC 80- 2
 SAMPLE NO.: 68
 DATE: 19/ 2/80
 VESSEL: G.R. REED
 POSITION: 52 30.0 N 130 13.0 W
 GRID POSITION:
 BOTTOM DEPTH: 310 M

WIND DIRECTION: 350 DEG
 WIND VELOCITY: 4 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT:
 SURFACE TEMP: 7.2 C
 STD NUMBER: 58
 BT/XBT NUMBER:
 TIME OF TOW: 0550 HR
 DEPTH OF TOW: 238 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 329 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 7.23

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	100.0	3.0	7.2
TOTAL	1.	100.0	3.0	7.2

TABLE: 137
 CRUISE: WC 80- 2
 SAMPLE NO.: 69
 DATE: 19/ 2/80
 VESSEL: G.B. REED
 POSITION: 52 30.0 N 130 40.0 W
 GRID POSITION:
 BOTTOM DEPTH: 99 M

WIND DIRECTION: 325 DEG
 WIND VELOCITY: 5 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.7 C
 STD NUMBER: 59
 BT/XBT NUMBER:
 TIME OF TOW: 0805 HR
 DEPTH OF TOW: 62 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 164 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 3.78

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
COTTIDAE(FAMILY)	2.	100.0	12.2	7.6
TOTAL	2.	100.0	12.2	7.6

TABLE: 138
 CRUISE: WC 80- 2
 SAMPLE NO.: 70
 DATE: 19/ 2/80
 VESSEL: G.B. REED
 POSITION: 52 30.0 N 131 7.0 W
 GRID POSITION:
 BOTTOM DEPTH: 128 M

WIND DIRECTION: 350 DEG
 WIND VELOCITY: 3 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.7 C
 STD NUMBER: 60
 BT/XBT NUMBER:
 TIME OF TOW: 0935 HR
 DEPTH OF TOW: 97 M

TOW SPEED: 1 MPS
 TYPE OF TOW:
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 191 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 5.08

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	12.5	5.2	5.1
MYCTOPHIDAE(FAMILY)	1.	12.5	5.2	5.1
MICROGADUS PROXIMUS	1.	12.5	5.2	5.1
SCORPAENIDAE(FAMILY)	1.	12.5	5.2	5.1
COTTIDAE(FAMILY)	3.	37.5	15.7	15.2
CYCLOPTERIGIDAE(FAMILY)	1.	12.5	5.2	5.1
TOTAL	8.	100.0	41.9	40.6

TABLE: 139
 CRUISE: WC 80- 2
 SAMPLE NO.: 71
 DATE: 19/ 2/80
 VESSEL: G.R. REED
 POSITION: 52 0.0 N 130 41.0 W
 GRID POSITION:
 BOTTOM DEPTH: 238 M

WIND DIRECTION: 270 DEG
 WIND VELOCITY: 10 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.7 C
 STD NUMBER: 61
 BT/XBT NUMBER:
 TIME OF TOW: 1300 HR
 DEPTH OF TOW: 190 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GFAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 313 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 6.07

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
HEXAGRAMMIDAE(FAMILY)	2.	100.0	6.4	12.1
TOTAL	2.	100.0	6.4	12.1

TABLE: 140
 CRUISE: WC 80- 2
 SAMPLE NO.: 72
 DATE: 19/ 2/80
 VESSEL: G.R. REED
 POSITION: 52 0.0 N 130 14.0 W
 GRID POSITION:
 BOTTOM DEPTH: 258 M

WIND DIRECTION: 40 DEG
 WIND VELOCITY: 5 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 1 M
 SURFACE TEMP: 7.8 C
 STD NUMBER: 62
 BT/XBT NUMBER:
 TIME OF TOW: 1525 HR
 DEPTH OF TOW: 208 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GFAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 430 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 4.84

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
AMMODYTES HEXAPTERUS	1.	100.0	2.3	4.8
TOTAL	1.	100.0	2.3	4.8

TABLE: 141
 CRUISE: WC 80- 2
 SAMPLE NO.: 73
 DATE: 19/ 2/80
 VESSEL: G.R. REED
 POSITION: 52 0.0 N 129 48.0 W
 GRID POSITION:
 BOTTOM DEPTH: 113 M

WIND DIRECTION: 70 DEG
 WIND VELOCITY: 4 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.8 C
 STD NUMBER: 63
 BT/XBT NUMBER:
 TIME OF TOW: 1741 HR
 DEPTH OF TOW: 100 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 215 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 4.65

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
SCORPAENIDAE(FAMILY)	1.	50.0	4.7	4.6
COTTIDAE(FAMILY)	1.	50.0	4.7	4.6
TOTAL	2.	100.0	9.3	9.3

TABLE: 142
 CRUISE: WC 80- 2
 SAMPLE NO.: 74
 DATE: 19/ 2/80
 VESSEL: G.R. REED
 POSITION: 52 0.0 N 129 21.0 W
 GRID POSITION:
 BOTTOM DEPTH: 197 M

WIND DIRECTION: 110 DEG
 WIND VELOCITY: 6 MPS
 WAVE HEIGHT: 0 M
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.7 C
 STD NUMBER: 64
 BT/XBT NUMBER:
 TIME OF TOW: 1935 HR
 DEPTH OF TOW: 149 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 276 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 5.40

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
HEXAGRAMMIDAE(FAMILY)	6.	60.0	21.7	32.4
COTTIDAE(FAMILY)	4.	40.0	14.5	21.6
TOTAL	10.	100.0	36.2	54.0

TABLE: 143
 CRUISE: MC 80- 2
 SAMPLE NO.: 75
 DATE: 19/ 2/80
 VESSEL: G.B. REED
 POSITION: 52 0.0 N 128 56.0 W
 GRID POSITION:
 BOTTOM DEPTH: 119 M

WIND DIRECTION: 190 DEG
 WIND VELOCITY: 4 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.4 C
 STD NUMBER: 65
 RT/XBT NUMBER:
 TIME OF TOW: 2140 HR
 DEPTH OF TOW: 92 M

TOW SPEED: 1.1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 199 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 4.62

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	1.	100.0	5.0	4.6
TOTAL	1.	100.0	5.0	4.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
SCORPAENIDAE (FAMILY)	3.	33.3	15.1	13.9
COTTIDAE (FAMILY)	6.	66.7	30.2	27.7
TOTAL	9.	100.0	45.2	41.6

TABLE: 144
 CRUISE: WC 80- 2
 SAMPLE NO.: 31
 DATE: 20/ 2/80
 VESSEL: G.R. REED
 POSITION: 51 30.0 N 129 21.0 W
 GRID POSITION:
 BOTTOM DEPTH: 55 M

WIND DIRECTION: 300 DEG
 WIND VELOCITY: 6 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.7 C
 STD NUMBER:
 BT/XBT NUMBER:
 TIME OF TOW: 0117 HR
 DEPTH OF TOW: 32 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 163 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 1.96

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
SCORPAENIDAE(FAMILY)	7.	77.8	42.9	13.7
COTTIDAE(FAMILY)	2.	22.2	12.3	3.9
TOTAL	9.	100.0	55.2	17.6

POST LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
HEXAGRAMMIDAE(FAMILY)	1.	100.0	6.1	2.0
TOTAL	1.	100.0	6.1	2.0

TABLE: 145
 CRUISE: WC 80-2
 SAMPLE NO.: 30
 DATE: 20/2/80
 VESSEL: G.B. REED
 POSITION: 51 30.0 N 128 56.0 W
 GRID POSITION:
 BOTTOM DEPTH: 46 M

WIND DIRECTION: 300 DEG
 WIND VELOCITY: 4 MPS
 WAVE HEIGHT:
 SWELL HEIGHT: 0 M
 SURFACE TEMP: 7.7 C
 STD NUMBER:
 BT/XBT NUMBER:
 TIME OF TOW: 0300 HR
 DEPTH OF TOW: 34 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 146 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 2.29

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	1.	10.0	6.8	2.3
SCORPAENIDAE (FAMILY)	7.	70.0	47.9	16.0
HEXAGRAMMIDAE (FAMILY)	1.	10.0	6.8	2.3
COTTIDAE (FAMILY)	1.	10.0	6.8	2.3
TOTAL	10.	100.0	68.5	22.9

TABLE: 145a
 CRUISE: WC 80-2
 SAMPLE NO.: 28
 DATE: 20/1/80
 VESSEL: G.B. REED
 POSITION: 51 00.0 N 126 06.0 W
 GRID POSITION:
 BOTTOM DEPTH: 120 M

WIND DIRECTION: 310 DEG
 WIND VELOCITY: 6 MPS
 WAVE HEIGHT:
 SWELL HEIGHT:
 SURFACE TEMP: 8.1 C
 STD NUMBER:
 BT/XBT NUMBER:
 TIME OF TOW: 0802 HR
 DEPTH OF TOW: 92 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 162 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 5.69

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	1.	5.0	6.2	5.7
SCORPAENIDAE (FAMILY)	10.	50.0	61.7	56.9
COTTIDAE (FAMILY)	8.	40.0	49.4	45.5
LIPARIDAE (FAMILY)	1.	5.0	6.2	5.7
TOTAL	20.0	100.0	123.5	113.8

TABLE: 145b
 CRUISE: WC 80-2
 SAMPLE NO.: 29
 DATE: 20/2/80
 VESSEL: G.B. REED
 POSITION: 51 30.0 N 128 31.0 W
 GRID POSITION:
 BOTTOM DEPTH: 192 M

WIND DIRECTION: 300 DEG
 WIND VELOCITY: 4 MPS
 WAVE HEIGHT:
 SWELL HEIGHT:
 SURFACE TEMP: 7.8 C
 STD NUMBER:
 BT/XBT NUMBER:
 TIME OF TOW: 0436 HR
 DEPTH OF TOW: 180 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 213 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 8.47

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
HEMILEPIDOTUS SP.	1.	50.0	4.7	8.5
HEXAGRAMMIDAE (FAMILY)	1.	50.0	4.7	8.5
TOTAL	2	100.0	9.4	17.0

POSTLARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
CITHARICHTHYS SORDIDUS	1	100.0	4.7	8.5
TOTAL	1	100.0	4.7	8.5

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
THALEICHTHYS PACIFICUS	1	100.0	4.7	8.5
TOTAL	1	100.0	4.7	8.5

TABLE: 145c
 CRUISE: WC 80-2
 SAMPLE NO.: 44
 DATE: 16/2/80
 VESSEL: G.B. REED
 POSITION: 53 20.0 N 132 57.0 W
 GRID POSITION:
 BOTTOM DEPTH: 128 M

WIND DIRECTION: 100 DEG
 WIND VELOCITY: 11 MPS
 WAVE HEIGHT:
 SWELL HEIGHT:
 SURFACE TEMP: 7.2 C
 STD NUMBER:
 BT/XBT NUMBER:
 TIME OF TOW: 1558 HR
 DEPTH OF TOW: 96 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 183 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 5.25

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	1	25.0	5.5	5.3
SCORPAENIDAE (FAMILY)	3	75.0	16.4	15.8
TOTAL	4	100.0	21.9	21.1

TABLE: 146
 CRUISE: WC 80-2
 SAMPLE NO.: 65
 DATE: 19/2/80
 VESSEL: G.B. REED
 POSITION: 53 00.0 N 130 13.0 W
 GRID POSITION:
 BOTTOM DEPTH: 220 M

WIND DIRECTION: 065 DEG
 WIND VELOCITY: 8 MPS
 WAVE HEIGHT:
 SWELL HEIGHT:
 SURFACE TEMP: 7.0 C
 STD NUMBER:
 BT/XBT NUMBER:
 TIME OF TOW: 2206 HR
 DEPTH OF TOW: 170 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 249 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 6.83

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
	0.0			

TABLE: 147
 CRUISE: WC 80-2
 SAMPLE NO.: 66
 DATE: 19/2/80
 VESSEL: G.B. REED
 POSITION: 53 00.0 N 129 47.0 W
 GRID POSITION:
 BOTTOM DEPTH: 200 M

WIND DIRECTION: 050 DEG
 WIND VELOCITY: 8 MPS
 WAVE HEIGHT:
 SWELL HEIGHT:
 SURFACE TEMP: 6.3 C
 STD NUMBER:
 BT/XBT NUMBER:
 TIME OF TOW: 0015 HR
 DEPTH OF TOW: 168 M

TOW SPEED: 1 MPS
 TYPE OF TOW: OBLIQUE
 GEAR TYPE: BONGO .25 M2
 MESH SIZE: .351 MM
 VOL. FILTERED: 256 M3
 DISP. VOLUME:
 PLANKTON CONC.:
 ALIQUOT:
 S.H.F.: 6.56

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
SCORPAENIDAE (FAMILY)	3	75.0	11.7	19.7
COTTIDAE (FAMILY)	1	25.0	3.9	6.6
TOTAL	4	100.0	15.6	26.3

