Meiofauna Counts in Relation to Intertidal Log Storage on the Nanaimo River Delta; Spring 1978

By
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Fisheries and Marine Service

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MEIOFAUNA COUNTS IN RELATION TO INTERTIDAL LOG STORAGE ON THE NANAIMO RIVER DELTA; SPRING 1978

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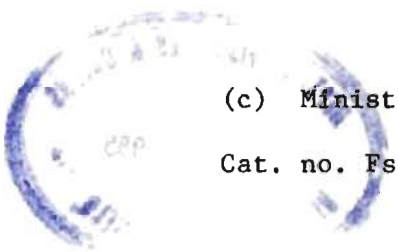

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ABSTRACT

Sibert, J. R., T. J. Brown, V. J. Harpham, and B. Kask. 1979. Meiofauna counts in relation to intertidal log storage on the Nanaimo River delta; spring 1978. Fish. Mar. Serv. Data Rep. 149: 104 p.

Meiofauna were sampled from February through May, 1978 in relation to log storage on the Nanaimo River delta. This report presents the counts and population densities of major meiofaunal groups and the species of harpacticoid copepods.

Key words: Meiofauna, harpacticoid, intertidal; Log storage.

RÉSUMÉ

Sibert, J. R., T. J. Brown, V. J. Harpham, and B. Kask. 1979. Meiofauna counts in relation to intertidal log storage on the Nanaimo River delta; spring 1978. Fish. Mar. Serv. Data Rep. 149: 104 p.

Des échantillons de la mésofaune ont été prélevés de février à mai 1978 dans le cadre d'une étude sur l'entreposage des grumes dans le delta de la rivière Nanaimo. Le rapport présente le résultat des dénombrements et la densité de population des principaux groupes de la mésofaune ainsi que des espèces de la famille des harpacticidés, de la sous-classe des copépodes.

Mots clés: mésofaune, harpacticidés, intertidal; entreposage des grumes.

METHODS

The principal study site was station 6 shown in Fig. 1. Some samples were also obtained from station 5 because it was noted during the study that a log raft had been recently moved.

Five sets of samples were obtained between February 2 and May 23, 1978. Samples were taken by SCUBA divers operating under the booms at high tide in February and March. Subsequently, samples were obtained at low tide by sampling in spaces between log or log bundles. Generally, samples were taken along a transect from a dolphin to which booms were moored, across the booms, to the lane or alley separating adjacent rows of booms.

Two types of core samples were obtained. Shallow cores had an area of 6.2 cm^2 which were pushed into the sediment by hand, stoppered, pulled from the sediment, and stoppered at the bottom. Duplicates were ususally taken. In the laboratory, the upper 1 cm of sediment was extruded from the core, preserved in formalin and rose bengal, and used for the enumeration of meiofauna. Meiofauna were separated from the sediment by successive washing and decantation through a 44 m seive. The following meiofaunal groups were enumerated: nematodes, micro-annellids, foraminifera gastropod eggs, ostracods cumaceans, pelecypods, amphipods, ectoproct larvae, calanoid copepods, and isopods. The harpacticoids were retained and later identified to species wherever possible.

Deeper cores, with an area of 7.5 cm^2, were obtained in February 2 and treated in the same manner.

RESULTS

The results are presented in Tables 1 through 9. A more complete discussion of these results can be found in Sibert and Harpham (1979).

REFERENCE

Sibert, J. R. and V. J. Harpham. 1979. Effects of intertidal log storage meiofauna and interstitial environment of the Nanaimo River delta. Fish. Mar. Serv. Tech. Rep. 883: 27 p.

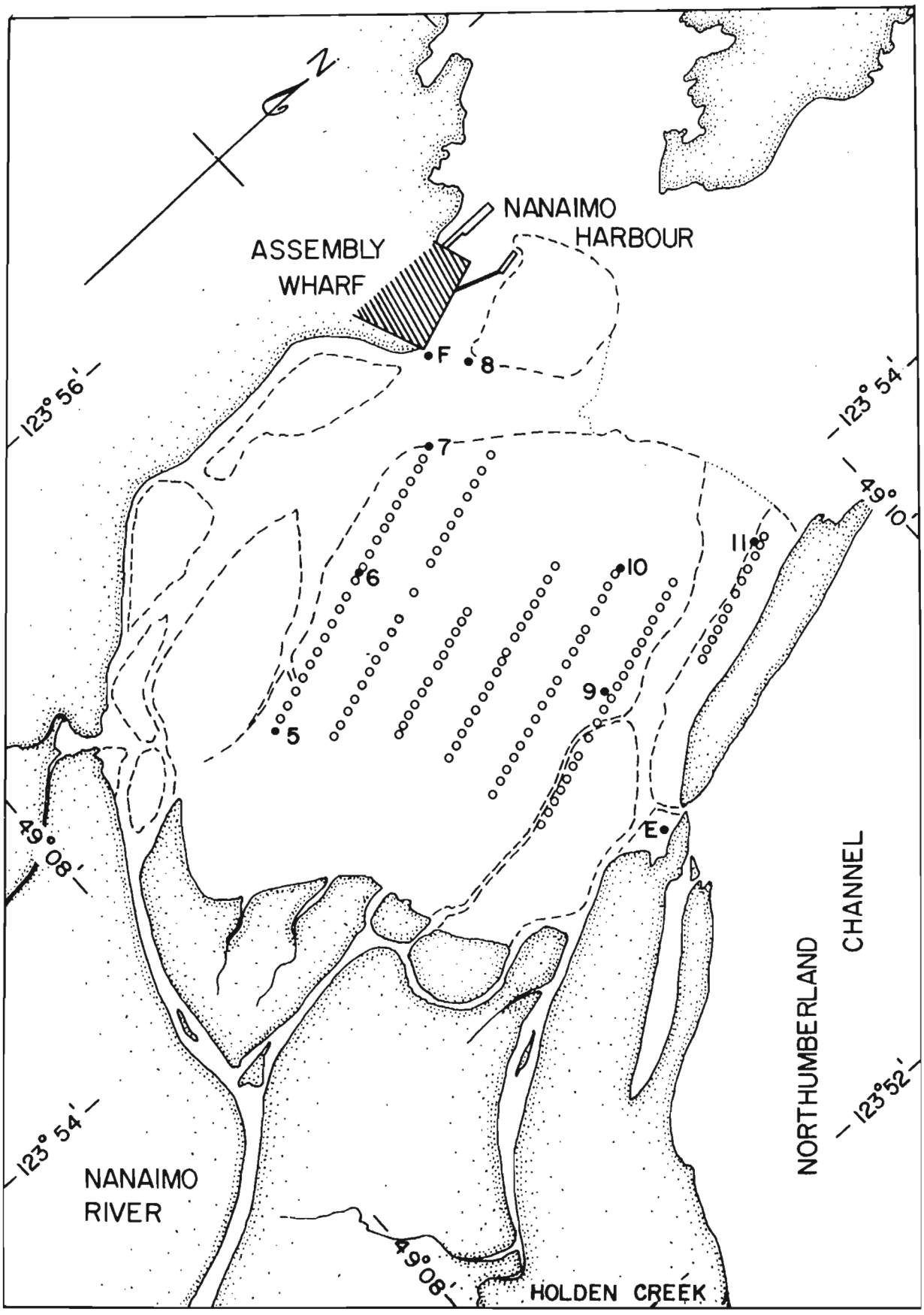

Fig. 1. Nanaimo River delta showing sampling locations.

TABLE 1. COPEPOD SPECIES AT STATION 6, FEB 2, 1978. STATION 60 IS UNDER THE LOG BOOM; STATION 61 IS OUTSIDE THE LOG BOOM IN ADJACENT ALLEY. TWO CORE SIZES WERE USED, 6.16 cm^2 AND 7.54 cm^2. THE LARGER CORE WAS SAMPLED AT TWO DEPTHS, 0-1 cm and 5-8 cm, BELOW THE SEDIMENT SURFACE.

NANAIMO ESTUARY LOG BOOM STUDY 0-BOOM 1-CHANNEL FEB. 2/78 HARP SPECIES

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
TOTAL	= TOTAL
HUJA	= HUNTEMANNIA JADENSIS
AMUN	= AMPHIASCUS UNDOSUS
ENUN	= ENHYDROSOMA UNIARTICULATUM
SCCA	= SCOTTOLANA CANADENSIS
SCKN	= SCHIZOPERA KNABENI
STSSP	= STENHELIA (ST) SPECIES
PACOC	= PARALAOPHONTE CONGENERA CONGENERA
PAPA	= PARALAOPHONTE PACIFICA
ENBU	= ENHYDROSOMA BUCHHOLTZI
MEPY	= MESOCHRA PYGMAEA
PAHO	= PARASTENHELIA HORNELLI
FAEC	= FAMILY ECTINOSOMIDAE
AMSP	= AMPHIASCOIDES SPECIES
CYCC	= UNIDENTIFIED CYCLOPOID
UCOP	= UNIDENTIFIED COPEPODITE

NANAIMO ESTUARY LOG BOOM STUDY 0=BOOM 1=CHANNEL FEB. 2/78 HARP SPECIES

DATE 2 FEB 1978, 945 HRS PST

STATION NE 60

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	AMUN	MEPY	HUJA	PACOC	FAEC	ENUN	STSSP	SCKN	UCOP	SCCA	PAHO	AMSP	ENBU
1	140	39	10	20	21	0	15	6	6	13	1	1	0	1
2	31	2	13	4	0	3	2	3	1	1	0	0	0	0
3	47	12	10	3	2	9	1	2	0	1	1	0	1	0
4	74	9	17	13	3	3	3	3	9	5	2	0	0	0
5	77	6	12	18	4	11	4	8	5	0	0	1	0	0

RAW COUNTS

REP	PAPA	CYCC
1	1	0
2	0	0
3	0	0
4	0	0
5	0	0

DATE 2 FEB 1978, 945 HRS PST

STATION NE 60

CORE AREA 6.16 SQ CM, DEPTH 1 CM

NUMBERS PER 10 SQ CM

REP	TOTAL	AMUN	MEPY	HUJA	PACUC	FAEC	ENUN	STSSP	SCKN	UCOP	SCCA	PAHO	AMSP	ENBU
1	227.3	66.1	17.0	33.9	35.6	0.0	25.4	10.2	10.2	22.0	1.7	1.7	0.0	1.7
2	50.3	3.5	22.6	6.9	0.0	5.2	3.5	5.2	1.7	1.7	0.0	0.0	0.0	0.0
3	76.3	21.8	18.2	5.4	3.6	16.3	1.8	3.6	0.0	1.8	1.8	0.0	1.8	0.0
4	120.1	16.1	30.5	23.3	5.4	5.4	5.4	5.4	16.1	9.0	3.6	0.0	0.0	0.0
5	125.0	10.9	21.7	32.6	7.2	19.9	7.2	14.5	9.1	0.0	0.0	1.8	0.0	0.0
MEAN	119.6	23.7	22.0	20.4	10.4	9.4	8.7	7.8	7.4	6.9	1.4	0.7	0.4	0.3
SD	67.6	24.7	5.3	13.6	14.4	8.4	9.6	4.5	6.6	9.1	1.5	1.0	0.8	0.8
SE	30.2	11.0	2.4	6.1	6.4	3.7	4.3	2.0	2.9	4.1	0.7	0.4	0.4	0.3

NUMBERS PER 10 SQ CM

REP	PAPA	CYCC
1	1.7	0.0
2	0.0	0.0
3	0.0	0.0
4	0.0	0.0
5	0.0	0.0
MEAN	0.3	0.0
SD	0.8	0.0
SE	0.3	0.0

NANAIMO ESTUARY LOG BOOM STUDY 0=BOOM 1=CHANNEL FEB. 2/78 HARP SPECIES

DATE 2 FEB 1978, 945 HRS PST

STATION NE 61

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	HUJA	FAEC	MEPY	PACOC	SCKN	STSSP	UCOP	PAHO	ENUN	ENBU	SCCA	AMSP	AMUN
1	20	14	5	0	0	1	0	0	0	0	0	0	0	0
2	16	9	4	0	1	0	1	0	0	0	0	0	0	0
3	16	13	2	0	1	0	0	0	0	0	0	0	0	0
4	28	21	2	2	0	0	0	1	1	0	0	0	0	0
5	16	14	0	0	0	1	0	0	0	1	0	0	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	HUJA	FAEC	MEPY	PACOC	SCKN	STSSP	UCOP	PAHO	ENUN	ENBU	SCCA	AMSP	AMUN
1	32.5	22.7	8.1	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	26.0	15.6	6.9	0.0	1.7	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	26.0	21.1	3.2	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	45.5	35.4	3.4	3.4	0.0	0.0	0.0	1.7	1.7	0.0	0.0	0.0	0.0	0.0
5	26.0	22.7	0.0	0.0	0.0	1.6	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0
MEAN	31.2	23.5	4.3	0.7	0.7	0.6	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
SD	8.5	7.2	3.2	1.5	0.9	0.9	0.8	0.8	0.8	0.7	0.0	0.0	0.0	0.0
SE	3.8	3.2	1.4	0.7	0.4	0.4	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY 0-BOOM 1-CHANNEL FEB. 2/78 HARP SPECIES

DATE 2 FEB 1978, 945 HRS PST

STATION NE 61

CORE AREA 7.54 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	HUJA	CYCC	AMSP	FAEC	MEPY	ENBU	PAHO	PACOC	STSSP	SCKN	SCCA	ENUN	AMUN
1	22	20	1	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	HUJA	CYCC	AMSP	FAEC	MEPY	ENBU	PAHO	PACOC	STSSP	SCKN	SCCA	ENUN	AMUN
1	29.2	27.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	29.2	27.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY 0-BOOM 1-CHANNEL FEB. 2/78 HARP SPECIES

DATE 2 FEB 1978, 945 HRS PST

STATION NE 61

CORE AREA 7.54 SQ CM, DEPTH 8 CM

RAW COUNTS

REP	TOTAL	FAEC	CYCC	AMSP	PAHO	MEPY	ENBU	PAPA	PACOC	STSSP	SCKN	SCCA	ENUN	AMUN
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	FAEC	CYCC	AMSP	PAHO	MEPY	ENBU	PAPA	PACOC	STSSP	SCKN	SCCA	ENUN	AMUN
1	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY 0=BOOM 1=CHANNEL FEB. 2/78 HARP SPECIES

DATE 2 FEB 1978, 945 HRS PST

STATION NE 60

CORE AREA 7.54 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	MEPY	HUJA	ENUN	SCKN	STSSP	FAEC	AMUN	CYCC	PACOC	PAHO	SCCA	AMSP	ENBU
1	47	12	11	9	7	4	2	2	0	0	0	0	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	MEPY	HUJA	ENUN	SCKN	STSSP	FAEC	AMUN	CYCC	PACOC	PAHO	SCCA	AMSP	ENBU
1	62.3	15.9	14.6	11.9	9.3	5.3	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	62.3	15.9	14.6	11.9	9.3	5.3	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY 0-BOOM 1-CHANNEL FEB. 2/78 HARP SPECIES

DATE 2 FEB 1978, 945 HRS PST

STATION NE 60

CORE AREA 7.54 SQ CM, DEPTH 8 CM

RAW COUNTS

REP	UCOP	TOTAL	AMSP	FAEC	PAHO	MEPY	ENBU	PAPA	CYCC	STSSP	SCKN	SCCA	ENUN	AMUN
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10 SQ CM

REP	UCOP	TOTAL	AMSP	FAEC	PAHO	MEPY	ENBU	PAPA	CYCC	STSSP	SCKN	SCCA	ENUN	AMUN
1	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 2. MEIOFAUNA AT STATION 6, MARCH 3, 1978. STATION NUMBERS RUN FROM 60 NEAR THE MOORING DOLPHIN TO 69 IN ADJACENT INTER-BOOM ALLEY AT INTERVALS OF 10-15 m.

LOG BOOM STUDY, MARCH 3, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
HARP	HARPACTICOIDS
HEGG	HARPACTICOIDS WITH EGGS
CNAU	COPEPOD NAUPLIUS
NEMA	NEMATODE
WORM	WORM
FORA	FORAMS
EGGS	EGGS
OSTR	OSTRACODA
CUMA	CUMACEA
BIVA	BIVALVES
AMPH	AMPHIPOD
ECTO	ECTOPROCT
CALA	CALANOID
ISOP	ISOPOD

LOG BOOM STUDY, MARCH 3, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 3 MAR 1978, 935 HRS PST

STATION NE 60

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	HARP	HEGG	CNAU	NEMA	WORM	FORA	EGGS	OSTR	CUMA	BIVA	AMPH	ECTO	CALA	ISOP
1	23	16	6	266	7	2	6	1	0	0	0	0	0	0
2	37	33	11	388	13	4	7	0	1	0	0	0	0	0

NUMBERS PER 10 SQ CM

REP	HARP	HEGG	CNAU	NEMA	WORM	FORA	EGGS	OSTR	CUMA	BIVA	AMPH	ECTO	CALA	ISOP
1	37.3	26.0	9.7	431.8	11.4	3.2	9.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0
2	60.1	53.6	17.9	629.9	21.1	6.5	11.4	0.0	1.6	0.0	0.0	0.0	0.0	0.0
MEAN	48.7	39.8	13.8	530.8	16.2	4.9	10.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0
SD	16.1	19.5	5.7	140.0	6.9	2.3	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
SE	11.4	13.8	4.1	99.0	4.9	1.6	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0

LOG BOOM STUDY, MARCH 3, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 3 MAR 1978, 935 HRS PST

STATION NE 61

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	HARP	HEGG	CNAU	NEMA	WORM	FORA	EGGS	OSTR	CUMA	BIVA	AMPH	ECTO	CALA	ISOP
1	82	24	13	566	6	1	2	1	1	1	1	0	0	0
2	80	18	8	230	2	1	2	2	1	0	2	0	0	0

NUMBERS PER 10 SQ CM

REP	HARP	HEGG	CNAU	NEMA	WORM	FORA	EGGS	OSTR	CUMA	BIVA	AMPH	ECTO	CALA	ISOP
1	133.1	39.0	21.1	918.8	9.7	1.6	3.2	1.6	1.6	1.6	1.6	0.0	0.0	0.0
2	129.9	29.2	13.0	373.4	3.2	1.6	3.2	3.2	1.6	0.0	3.2	0.0	0.0	0.0
MEAN	131.5	34.1	17.0	646.1	6.5	1.6	3.2	2.4	1.6	0.8	2.4	0.0	0.0	0.0
SD	2.3	6.9	5.7	385.7	4.6	-0.0	-0.0	1.1	-0.0	1.1	1.1	0.0	0.0	0.0
SE	1.6	4.9	4.1	272.7	3.2	0.0	0.0	0.8	0.0	0.8	0.8	0.0	0.0	0.0

LOG BOOM STUDY, MARCH 3, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 3 MAR 1978, 935 HRS PST

STATION NE 62

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	HARP	HEGG	CNAU	NEMA	WORM	FORA	EGGS	OSTR	CUMA	BIVA	AMPH	ECTO	CALA	ISOP
1	83	26	35	490	5	0	8	0	5	0	0	0	0	0
2	81	23	45	363	7	1	4	1	3	0	1	0	0	0

NUMBERS PER 10 SQ CM

REP	HARP	HEGG	CNAU	NEMA	WORM	FORA	EGGS	OSTR	CUMA	BIVA	AMPH	ECTO	CALA	ISOP
1	134.7	42.2	56.8	795.5	8.1	0.0	13.0	0.0	8.1	0.0	0.0	0.0	0.0	0.0
2	131.5	37.3	73.1	589.3	11.4	1.6	6.5	1.6	4.9	0.0	1.6	0.0	0.0	0.0
MEAN	133.1	39.8	64.9	692.4	9.7	0.8	9.7	0.8	6.5	0.0	0.8	0.0	0.0	0.0
SD	2.3	3.4	11.5	145.8	2.3	1.1	4.6	1.1	2.3	0.0	1.1	0.0	0.0	0.0
SE	1.6	2.4	8.1	103.1	1.6	0.8	3.2	0.8	1.6	0.0	0.8	0.0	0.0	0.0

LOG BOOM STUDY, MARCH 3, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 3 MAR 1978, 935 HRS PST

STATION NE 63

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	HARP	HEGG	CNAU	NEMA	WORM	FORA	EGGS	OSTR	CUMA	BIVA	AMPH	ECTO	CALA	ISOP
1	154	42	71	414	4	1	9	2	2	1	3	0	0	0
2	70	22	57	381	25	3	7	0	4	2	1	2	0	0

NUMBERS PER 10 SQ CM

REP	HARP	HEGG	CNAU	NEMA	WORM	FORA	EGGS	OSTR	CUMA	BIVA	AMPH	ECTO	CALA	ISOP
1	250.0	68.2	115.3	672.1	6.5	1.6	14.6	3.2	3.2	1.6	4.9	0.0	0.0	0.0
2	113.6	35.7	92.5	618.5	40.6	4.9	11.4	0.0	6.5	3.2	1.6	3.2	0.0	0.0
MEAN	181.8	51.9	103.9	645.3	23.5	3.2	13.0	1.6	4.9	2.4	3.2	1.6	0.0	0.0
SD	96.4	23.0	16.1	37.9	24.1	2.3	2.3	2.3	2.3	1.1	2.3	2.3	0.0	0.0
SE	68.2	16.2	11.4	26.8	17.0	1.6	1.6	1.6	1.6	0.8	1.6	1.6	0.0	0.0

LOG BOOM STUDY, MARCH 3, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 3 MAR 1978, 935 HRS PST

STATION NE 64

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	HARP	HEGG	CNAU	NEMA	WORM	FORA	EGGS	OSTR	CUMA	BIVA	AMPH	ECTO	CALA	ISOP
1	82	10	16	197	8	0	4	0	1	1	0	4	1	0
2	204	34	132	389	15	2	13	1	38	0	2	0	1	0

NUMBERS PER 10 SQ CM

REP	HARP	HEGG	CNAU	NEMA	WORM	FORA	EGGS	OSTR	CUMA	BIVA	AMPH	ECTO	CALA	ISOP
1	133.1	16.2	26.0	319.8	13.0	0.0	6.5	0.0	1.6	1.6	0.0	6.5	1.6	0.0
2	331.2	55.2	214.3	631.5	24.4	3.2	21.1	1.6	61.7	0.0	3.2	0.0	1.6	0.0
MEAN	232.1	35.7	120.1	475.6	18.7	1.6	13.8	0.8	31.7	0.8	1.6	3.2	1.6	0.0
SD	140.0	27.5	133.2	220.4	8.0	2.3	10.3	1.1	42.5	1.1	2.3	4.6	-0.0	0.0
SE	99.0	19.5	94.2	155.8	5.7	1.6	7.3	0.8	30.0	0.8	1.6	3.2	0.0	0.0

LOG BOOM STUDY, MARCH 3, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 3 MAR 1978, 935 HRS PST

STATION NE 65

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	HARP	HEGG	CNAU	NEMA	WORM	FORA	EGGS	OSTR	CUMA	BIVA	AMPH	ECTO	CALA	ISOP
1	32	11	33	297	18	0	3	0	0	0	0	0	0	0
2	5	1	3	93	3	2	5	1	0	0	0	0	0	0

NUMBERS PER 10 SQ CM

REP	HARP	HEGG	CNAU	NEMA	WORM	FORA	EGGS	OSTR	CUMA	BIVA	AMPH	ECTO	CALA	ISOP
1	51.9	17.9	53.6	482.1	29.2	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	8.1	1.6	4.9	151.0	4.9	3.2	8.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	30.0	9.7	29.2	316.6	17.0	1.6	6.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
SD	31.0	11.5	34.4	234.2	17.2	2.3	2.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0
SE	21.9	8.1	24.4	165.6	12.2	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0

LOG BOOM STUDY, MARCH 3, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 3 MAR 1978, 935 HRS PST

STATION NE 66

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	HARP	HEGG	CNAU	NEMA	WORM	FORA	EGGS	OSTR	CUMA	BIVA	AMPH	ECTO	CALA	ISOP
1	33	10	21	251	4	0	4	0	0	0	0	6	0	2
2	30	2	7	194	6	12	6	0	0	0	0	0	0	0

NUMBERS PER 10 SQ CM

REP	HARP	HEGG	CNAU	NEMA	WORM	FORA	EGGS	OSTR	CUMA	BIVA	AMPH	ECTO	CALA	ISOP
1	53.6	16.2	34.1	407.5	6.5	0.0	6.5	0.0	0.0	0.0	0.0	9.7	0.0	3.2
2	48.7	3.2	11.4	314.9	9.7	19.5	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	51.1	9.7	22.7	361.2	8.1	9.7	8.1	0.0	0.0	0.0	0.0	4.9	0.0	1.6
SD	3.4	9.2	16.1	65.4	2.3	13.8	2.3	0.0	0.0	0.0	0.0	6.9	0.0	2.3
SE	2.4	6.5	11.4	46.3	1.6	9.7	1.6	0.0	0.0	0.0	0.0	4.9	0.0	1.6

LOG BOOM STUDY, MARCH 3, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 3 MAR 1978, 935 HRS PST

STATION NE 67

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	HARP	HEGG	CNAU	NEMA	WORM	FORA	EGGS	OSTR	CUMA	BIVA	AMPH	ECTO	CALA	ISOP
1	34	20	5	189	26	1	3	1	0	1	0	1	0	0
2	93	33	31	426	38	4	1	0	2	2	0	3	0	0

NUMBERS PER 10 SQ CM

REP	HARP	HEGG	CNAU	NEMA	WORM	FORA	EGGS	OSTR	CUMA	BIVA	AMPH	ECTO	CALA	ISOP
1	55.2	32.5	8.1	306.8	42.2	1.6	4.9	1.6	0.0	1.6	0.0	1.6	0.0	0.0
2	151.0	53.6	50.3	691.6	61.7	6.5	1.6	0.0	3.2	3.2	0.0	4.9	0.0	0.0
MEAN	103.1	43.0	29.2	499.2	51.9	4.1	3.2	0.8	1.6	2.4	0.0	3.2	0.0	0.0
SD	67.7	14.9	29.8	272.1	13.8	3.4	2.3	1.1	2.3	1.1	0.0	2.3	0.0	0.0
SE	47.9	10.6	21.1	192.4	9.7	2.4	1.6	0.8	1.6	0.8	0.0	1.6	0.0	0.0

LOG BOOM STUDY, MARCH 3, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 3 MAR 1978, 935 HRS PST

STATION NE 68

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	HARP	HEGG	CNAU	NEMA	WORM	FORA	EGGS	OSTR	CUMA	BIVA	AMPH	ECTO	CALA	ISOP
1	42	11	25	227	21	3	1	0	0	0	0	3	0	0
2	64	14	34	138	36	6	4	1	1	0	0	3	0	0

NUMBERS PER 10 SQ CM

REP	HARP	HEGG	CNAU	NEMA	WORM	FORA	EGGS	OSTR	CUMA	BIVA	AMPH	ECTO	CALA	ISOP
1	68.2	17.9	40.6	368.5	34.1	4.9	1.6	0.0	0.0	0.0	0.0	4.9	0.0	0.0
2	103.9	22.7	55.2	224.0	58.4	9.7	6.5	1.6	1.6	0.0	0.0	4.9	0.0	0.0
MEAN	86.0	20.3	47.9	296.3	46.3	7.3	4.1	0.8	0.8	0.0	0.0	4.9	0.0	0.0
SD	25.3	3.4	10.3	102.2	17.2	3.4	3.4	1.1	1.1	0.0	0.0	0.0	0.0	0.0
SE	17.9	2.4	7.3	72.2	12.2	2.4	2.4	0.8	0.8	0.0	0.0	0.0	0.0	0.0

LOG BOOM STUDY, MARCH 3, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 3 MAR 1978, 935 HRS PST

STATION NE 69

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	HARP	HEGG	CNAU	NEMA	WORM	FORA	EGGS	OSTR	CUMA	BIVA	AMPH	ECTO	CALA	ISOP
1	11	7	21	73	27	5	9	1	2	0	0	0	0	0
2	31	23	66	231	59	6	10	0	0	0	0	3	0	1

NUMBERS PER 10 SQ CM

REP	HARP	HEGG	CNAU	NEMA	WORM	FORA	EGGS	OSTR	CUMA	BIVA	AMPH	ECTO	CALA	ISOP
1	17.9	11.4	34.1	118.5	43.8	8.1	14.6	1.6	3.2	0.0	0.0	0.0	0.0	0.0
2	50.3	37.3	107.1	375.0	95.8	9.7	16.2	0.0	0.0	0.0	0.0	4.9	0.0	1.6
MEAN	34.1	24.4	70.6	246.8	69.8	8.9	15.4	0.8	1.6	0.0	0.0	2.4	0.0	0.8
SD	23.0	18.4	51.7	181.4	36.7	1.1	1.1	1.1	2.3	0.0	0.0	3.4	0.0	1.1
SE	16.2	13.0	36.5	128.2	26.0	0.8	0.8	0.8	1.6	0.0	0.0	2.4	0.0	0.8

TABLE 3. COPEPOD SPECIES AT STATION 6, MARCH 3, 1978. SEE TABLE 2 FOR STATION DESIGNATIONS.

NANAIMO ESTUARY LOG BOOM STUDY MARCH 3/78 HARP. SPECIES

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
TOTAL	TOTAL
HUJA	HUNTEMANNIA JADENSIS
AMUN	AMPHIASCUS UNDOSUS
ENUN	ENHYDROSOMA UNIARTICULATUM
SCCA	SCOTTOLANA CANADENSIS
SCKN	SCHIZOPERA KNABENI
STSSP	STENHELIA (ST) SPECIES
PACOC	PARALAOPHONTE CONGENERA CONGENERA
MEPY	MESOCHRA PYGMAEA
PAHO	PARASTENHELIA HORNELLI
FAEC	FAMILY ECTINOSOMIDAE
TISP	TISBE SPECIES
TADI	TACHIDIUS DISCIPES
HELIL	HETEROLAOPHONTE LITTORALIS LONGISETIGERA
AENPE	ACRENHYDROSOMA PERPLEXUM
NISPA	NITOCRA SPINIPES ARMATA
LAPA	LAOPHONTID A
SASP	SARSAMEIRA SPECIES
MILI	MICROARTHRIDION LITTORALE
AMSP	AMPHIASCOIDES SPECIES
PSES	PSEUDONYCHOCAMPTUS SPINIFER
CYCC	UNIDENTIFIED CYCLOPOID
HEDI	HETEROLAOPHONTE DISCOPHORA
LESP	LEPTOCARIS SPECIES
UCOP	UNIDENTIFIED COPEPODITE

NANAIMO ESTUARY LOG BOOM STUDY MARCH 3/78 HARP. SPECIES

DATE 3 MAR 1978, 935 HRS PST

STATION NE 60

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	HUJA	MEPY	PACOC	AMUN	MILI	SCKN	ENUN	STSSP	LAPA	SCCA	SASP	TISP
1	39	16	4	4	5	1	1	0	1	1	0	0	0	1
2	70	34	7	3	1	2	2	2	1	1	1	1	1	0

RAW COUNTS

REP	HELIL	TADI	AENPE	HEDI	CYCC	PSES	AMSP	UCOP	PAHO	LESP	NISPA
1	1	1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0

NANAIMO ESTUARY LOG BOOM STUDY MARCH 3/78 HARP. SPECIES

DATE 3 MAR 1978, 935 HRS PST

STATION NE 60

CORE AREA 6.16 SQ CM, DEPTH 1 CM

NUMBERS PER 10 SQ CM

REP	TOTAL	FAEC	HUJA	MEPY	PACOC	AMUN	MILI	SCKN	ENUN	STSSP	LAPA	SCCA	SASP	TISP
1	63.3	28.1	7.0	7.0	8.8	1.8	1.8	0.0	1.8	1.8	0.0	0.0	0.0	1.8
2	113.6	69.0	14.2	6.1	2.0	4.1	4.1	4.1	2.0	2.0	2.0	2.0	2.0	0.0
MEAN	88.5	48.6	10.6	6.6	5.4	2.9	2.9	2.0	1.9	1.9	1.0	1.0	1.0	0.9
SD	35.6	28.9	5.1	0.7	4.8	1.6	1.6	2.9	0.2	0.2	1.4	1.4	1.4	1.2
SE	25.2	20.4	3.6	0.5	3.4	1.1	1.1	2.0	0.1	0.1	1.0	1.0	1.0	0.9

NUMBERS PER 10 SQ CM

REP	HELIL	TADI	AENPE	HEDI	CYCC	PSES	AMSP	UCOP	PAHO	LESP	NISPA
1	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY MARCH 3/78 HARP. SPECIES

DATE 3 MAR 1978, 935 HRS PST

STATION NE 61

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	ENUN	SCKN	MEPY	MILI	PSES	HUJA	AMUN	STSSP	PACOC	AMSP	PAHO	HEDI
1	106	58	6	6	8	4	0	4	3	1	1	1	1	0
2	98	24	30	12	8	4	6	0	1	1	1	0	0	1

RAW COUNTS

REP	CYCC	TISP	LESP	AENPE	UCOP	TADI	SCCA	HELIL	SASP	LAPA	NISPA
1	0	0	0	0	0	0	0	0	0	0	0
2	1	0	0	0	0	0	0	0	0	0	0

NANAIMO ESTUARY LOG BOOM STUDY MARCH 3/78 HARP. SPECIES

DATE 3 MAR 1978, 935 HRS PST

STATION NE 61

CORE AREA 6.16 SQ CM, DEPTH 1 CM

NUMBERS PER 10 SQ CM

REP	TOTAL	FAEC	ENUN	SCKN	MEPY	MILI	PSES	HUJA	AMUN	STSSP	PACOC	AMSP	PAHO	HEDI
1	172.1	107.3	11.1	11.1	14.8	7.4	0.0	7.4	5.6	1.9	1.9	1.9	1.9	0.0
2	159.1	42.9	53.6	21.5	14.3	7.2	10.7	0.0	1.8	1.8	1.8	0.0	0.0	1.8
MEAN	165.6	75.1	32.4	16.3	14.6	7.3	5.4	3.7	3.7	1.8	1.8	0.9	0.9	0.9
SD	9.2	45.5	30.1	7.3	0.4	0.2	7.6	5.2	2.7	0.0	0.0	1.3	1.3	1.3
SE	6.5	32.2	21.3	5.2	0.3	0.1	5.4	3.7	1.9	0.0	0.0	0.9	0.9	0.9

NUMBERS PER 10 SQ CM

REP	CYCC	TISP	LESP	AENPE	UCOP	TADI	SCCA	HELIL	SASP	LAPA	NISPA
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY MARCH 3/78 HARP. SPECIES

DATE 3 MAR 1978, 935 HRS PST

STATION NE 62

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	ENUN	AMUN	MEPY	MILI	PACOC	SCKN	CYCC	HUJA	PSES	STSSP	TADI	TISP
1	109	58	12	8	9	2	3	2	1	2	3	0	0	1
2	104	38	9	10	5	5	2	2	2	1	0	2	1	0

RAW COUNTS

REP	LESP	UCOP	AENPE	HEDI	PAHO	AMSP	SCCA	HELIL	SASP	LAPA	NISPA
1	1	1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0

NANAIMO ESTUARY LOG BOOM STUDY MARCH 3/78 HARP. SPECIES

DATE 3 MAR 1978, 935 HRS PST

STATION NE 62

CORE AREA 6.16 SQ CM, DEPTH 1 CM

NUMBERS PER 10 SQ CM

REP	TOTAL	FAEC	ENUN	AMUN	MEPY	MILI	PACUC	SCKN	CYCC	HUJA	PSES	STSSP	TADI	TISP
1	176.9	99.6	20.6	13.7	15.5	3.4	5.2	3.4	1.7	3.4	5.2	0.0	0.0	1.7
2	168.8	83.3	19.7	21.9	11.0	11.0	4.4	4.4	4.4	2.2	0.0	4.4	2.2	0.0
MEAN	172.9	91.5	20.2	17.8	13.2	7.2	4.8	3.9	3.1	2.8	2.6	2.2	1.1	0.9
SD	5.7	11.5	0.6	5.8	3.2	5.3	0.5	0.7	1.9	0.9	3.6	3.1	1.6	1.2
SE	4.1	8.2	0.4	4.1	2.2	3.8	0.4	0.5	1.3	0.6	2.6	2.2	1.1	0.9

NUMBERS PER 10 SQ CM

REP	LESP	UCOP	AENPE	HEDI	PAHO	AMSP	SCCA	HELIL	SASP	LAPA	NISPA
1	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY MARCH 3/78 HARP. SPECIES

DATE 3 MAR 1978, 935 HRS PST

STATION NE 63

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	ENUN	AMUN	HUJA	MILI	SCKN	MEPY	TADI	PACOC	STSSP	SCCA	UCOP	AENPE
1	196	46	27	25	17	11	10	11	6	2	3	0	1	0
2	92	39	3	3	4	7	6	5	2	2	1	1	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	FAEC	ENUN	AMUN	HUJA	MILI	SCKN	MEPY	TADI	PACOC	STSSP	SCCA	UCOP	AENPE
1	318.2	92.1	54.0	50.0	34.0	22.0	20.0	22.0	12.0	4.0	6.0	0.0	2.0	0.0
2	149.4	79.8	6.1	6.1	8.2	14.3	12.3	10.2	4.1	4.1	2.0	2.0	0.0	0.0
MEAN	233.8	85.9	30.1	28.1	21.1	18.2	16.1	16.1	8.0	4.0	4.0	1.0	1.0	0.0
SD	119.4	8.7	33.9	31.0	18.3	5.4	5.5	8.3	5.6	0.1	2.8	1.4	1.4	0.0
SE	84.4	6.1	23.9	21.9	12.9	3.8	3.9	5.9	4.0	0.0	2.0	1.0	1.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY MARCH 3/78 HARP. SPECIES

DATE 3 MAR 1978, 935 HRS PST

STATION NE 64

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	ENUN	FAEC	AMUN	MILI	SCKN	MEPY	HUJA	STSSP	PSES	PACOC	CYCC	AENPE	AMSP
1	92	52	12	7	1	9	2	2	1	1	0	1	0	0
2	238	44	39	28	17	11	8	7	7	2	1	0	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	ENUN	FAEC	AMUN	MILI	SCKN	MEPY	HUJA	STSSP	PSES	PACOC	CYCC	AENPE	AMSP
1	149.4	88.3	20.4	11.9	1.7	15.3	3.4	3.4	1.7	1.7	0.0	1.7	0.0	0.0
2	386.4	103.7	91.9	66.0	40.0	25.9	18.8	16.5	16.5	4.7	2.4	0.0	0.0	0.0
MEAN	267.9	96.0	56.1	38.9	20.9	20.6	11.1	9.9	9.1	3.2	1.2	0.8	0.0	0.0
SD	167.6	10.9	50.6	38.2	27.1	7.5	10.9	9.3	10.5	2.1	1.7	1.2	0.0	0.0
SE	118.5	7.7	35.8	27.0	19.2	5.3	7.7	6.5	7.4	1.5	1.2	0.8	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY MARCH 3/78 HARP. SPECIES

DATE 3 MAR 1978, 935 HRS PST

STATION NE 65

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	AMUN	SCKN	ENUN	MEPY	TADI	CYCC	LAPA	HEDI	AENPE	HELIL	AMSP	TISP
1	43	14	6	3	5	4	1	0	0	0	0	0	0	0
2	6	2	0	3	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	FAEC	AMUN	SCKN	ENUN	MEPY	TADI	CYCC	LAPA	HEDI	AENPE	HELIL	AMSP	TISP
1	69.8	29.6	12.7	6.3	10.6	8.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	9.7	3.9	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	39.8	16.8	6.3	6.1	5.3	4.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	42.5	18.2	9.0	0.4	7.5	6.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	30.0	12.9	6.3	0.3	5.3	4.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY MARCH 3/78 HARP. SPECIES

DATE 3 MAR 1978, 935 HRS PST

STATION NE 66

CORE AREA - 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	TISP	FAEC	SCKN	AMUN	MEPY	HUJA	AMSP	CYCC	HEDI	AENPE	HELIL	TADI	MILI
1	43	4	15	6	2	3	3	1	0	0	0	0	0	0
2	32	17	3	1	2	1	0	0	0	0	0	0	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	TISP	FAEC	SCKN	AMUN	MEPY	HUJA	AMSP	CYCC	HEDI	AENPE	HELIL	TADI	MILI
1	69.8	8.2	30.8	12.3	4.1	6.2	6.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0
2	51.9	36.8	6.5	2.2	4.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	60.9	22.5	18.6	7.2	4.2	4.2	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	12.6	20.2	17.2	7.2	0.2	2.8	4.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0
SE	8.9	14.3	12.2	5.1	0.1	2.0	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY MARCH 3/78 HARP. SPECIES

DATE 3 MAR 1978, 935 HRS PST

STATION NE 67

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	ENUN	FAEC	TISP	MEPY	SCKN	AMUN	HUJA	STSSP	SCCA	PACOC	HELIL	TADI	AENPE
1	54	8	0	23	11	4	0	3	1	0	2	0	0	0
2	126	39	36	3	13	11	8	5	3	2	0	0	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	ENUN	FAEC	TISP	MEPY	SCKN	AMUN	HUJA	STSSP	SCCA	PACOC	HELIL	TADI	AENPE
1	87.7	13.5	0.0	38.8	18.5	6.7	0.0	5.1	1.7	0.0	3.4	0.0	0.0	0.0
2	204.5	66.5	61.4	5.1	22.2	18.8	13.6	8.5	5.1	3.4	0.0	0.0	0.0	0.0
MEAN	146.1	40.0	30.7	21.9	20.4	12.7	6.8	6.8	3.4	1.7	1.7	0.0	0.0	0.0
SD	82.6	37.5	43.4	23.8	2.6	8.5	9.6	2.5	2.4	2.4	2.4	0.0	0.0	0.0
SE	58.4	26.5	30.7	16.8	1.8	6.0	6.8	1.7	1.7	1.7	1.7	0.0	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY MARCH 3/78 HARP. SPECIES

DATE 3 MAR 1978, 935 HRS PST

STATION NE 68

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	TISP	FAEC	HUJA	SCKN	ENUN	MILI	AMUN	PACOC	MEPY	STSSP	PSES	SCCA	AENPE
1	53	10	10	7	0	3	3	4	1	1	0	2	1	0
2	78	23	8	8	9	2	2	1	2	2	2	0	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	TISP	FAEC	HUJA	SCKN	ENUN	MILI	AMUN	PACOC	MEPY	STSSP	PSES	SCCA	AENPE
1	86.0	20.5	20.5	14.3	0.0	6.1	6.1	8.2	2.0	2.0	0.0	4.1	2.0	0.0
2	126.6	49.4	17.2	17.2	19.3	4.3	4.3	2.1	4.3	4.3	4.3	0.0	0.0	0.0
MEAN	106.3	34.9	18.8	15.8	9.7	5.2	5.2	5.2	3.2	3.2	2.1	2.0	1.0	0.0
SD	28.7	20.4	2.3	2.0	13.7	1.3	1.3	4.3	1.6	1.6	3.0	2.9	1.4	0.0
SE	20.3	14.4	1.7	1.4	9.7	0.9	0.9	3.0	1.1	1.1	2.1	2.0	1.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY MARCH 3/78 HARP. SPECIES

DATE 3 MAR 1978, 935 HRS PST

STATION NE 69

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	HUJA	FAEC	TADI	MEPY	MILI	ENUN	AMUN	CYCC	PSES	HEDI	AENPE	AMSP	TISP
1	18	9	2	1	1	0	0	1	0	0	0	0	0	0
2	54	23	19	1	1	2	2	0	0	0	0	0	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	HUJA	FAEC	TADI	MEPY	MILI	ENUN	AMUN	CYCC	PSES	HEDI	AENPE	AMSP	TISP
1	29.2	18.8	4.2	2.1	2.1	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0
2	87.7	42.0	34.7	1.8	1.8	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	58.4	30.4	19.4	2.0	2.0	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	41.3	16.4	21.6	0.2	0.2	2.6	2.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0
SE	29.2	11.6	15.3	0.1	0.1	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 4. MEIOFAUNA AT STATION 6, APRIL 10, 1978. STATION NUMBERS RUN FROM 60 NEAR THE MOORING DOLPHIN TO 66 IN ADJACENT INTER-BOOM ALLEY AT INTERVALS OF APPROXIMATELY 15 m.

LOG BOOM STUDY, APRIL 10, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
BIVA	BIVALVES
AMIS	AMPHIPOD AND ISOPOD
TUNI	TUNICATES
ECTO	ECTOPROCT
FORA	FORAMS
NEMA	NEMATODE
WORM	WORM
EGGS	EGGS
OSTR	OSTRACODA
CUMA	CUMACEA
HARP	HARPACTICOIDS
HEGG	HARPACTICOIDS WITH EGGS
CNAU	COPEPOD NAUPLIUS
CALA	CALANOID
GAST	GASTROPODS

LOG BOOM STUDY, APRIL 10, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 10 APR 1978, 1330 HRS PST

STATION NE 60

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	NEMA	CNAU	HARP	WORM	EGGS	HEGG	OSTR	ECTO	FORA	CUMA	GAST	CALA	TUNI	AMIS
1	545	350	175	106	58	39	14	11	2	2	0	0	0	0

NUMBERS PER 10 SQ CM

REP	NEMA	CNAU	HARP	WORM	EGGS	HEGG	OSTR	ECTO	FORA	CUMA	GAST	CALA	TUNI	AMIS
1	884.7	568.2	284.1	172.1	94.2	63.3	22.7	17.9	3.2	3.2	0.0	0.0	0.0	0.0
MEAN	884.7	568.2	284.1	172.1	94.2	63.3	22.7	17.9	3.2	3.2	0.0	0.0	0.0	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LOG BOOM STUDY, APRIL 10, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 10 APR 1978, 1530 HRS PST

STATION NE 61

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	NEMA	CNAU	HARP	WORM	EGGS	HEGG	FORA	ECTO	CUMA	OSTR	AMIS	CALA	BIVA	TUNI
1	816	548	371	246	91	24	7	6	1	5	1	1	1	0
2	1035	881	548	642	112	81	26	20	14	1	1	0	0	0

NUMBERS PER 10 SQ CM

REP	NEMA	CNAU	HARP	WORM	EGGS	HEGG	FORA	ECTO	CUMA	OSTR	AMIS	CALA	BIVA	TUNI
1	1324.7	889.6	602.3	399.4	147.7	39.0	11.4	9.7	1.6	8.1	1.6	1.6	1.6	0.0
2	1680.2	1430.2	889.6	1042.2	181.8	131.5	42.2	32.5	22.7	1.6	1.6	0.0	0.0	0.0
MEAN	1502.4	1159.9	745.9	720.8	164.8	85.2	26.8	21.1	12.2	4.9	1.6	0.8	0.8	0.0
SD	251.4	382.3	203.2	454.6	24.1	65.4	21.8	16.1	14.9	4.6	-0.0	1.1	1.1	0.0
SE	177.8	270.3	143.7	321.4	17.0	46.3	15.4	11.4	10.6	3.2	0.0	0.8	0.8	0.0

LOG BOOM STUDY, APRIL 10, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 10 APR 1978, 1330 HRS PST

STATION NE 62

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	NEMA	CNAU	WORM	HARP	EGGS	FORA	HEGG	ECTO	CUMA	OSTR	BIVA	CALA	TUNI	AMIS
1	888	378	149	213	124	35	27	21	4	1	1	0	0	0
2	364	179	223	144	72	23	20	10	12	2	0	1	0	0

NUMBERS PER 10 SQ CM

REP	NEMA	CNAU	WORM	HARP	EGGS	FORA	HEGG	ECTO	CUMA	OSTR	BIVA	CALA	TUNI	AMIS
1	1441.6	613.6	241.9	345.8	201.3	56.8	43.8	34.1	6.5	1.6	1.6	0.0	0.0	0.0
2	590.9	290.6	362.0	233.8	116.9	37.3	32.5	16.2	19.5	3.2	0.0	1.6	0.0	0.0
MEAN	1016.2	452.1	301.9	289.8	159.1	47.1	38.1	25.2	13.0	2.4	0.8	0.8	0.0	0.0
SD	601.5	228.4	84.9	79.2	59.7	13.8	8.0	12.6	9.2	1.1	1.1	1.1	0.0	0.0
SE	425.3	161.5	60.1	56.0	42.2	9.7	5.7	8.9	6.5	0.8	0.8	0.8	0.0	0.0

LOG BOOM STUDY, APRIL 10, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 10 APR 1978, 1330 HRS PST

STATION NE 63

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	NEMA	WORM	EGGS	CNAU	HARP	HEGG	ECTO	FORA	BIVA	CUMA	OSTR	CALA	TUNI	AMIS
1	412	532	260	181	68	13	10	11	2	2	0	0	0	0
2	585	195	107	122	64	17	9	6	3	1	0	0	0	0

NUMBERS PER 10 SQ CM

REP	NEMA	WORM	EGGS	CNAU	HARP	HEGG	ECTO	FORA	BIVA	CUMA	OSTR	CALA	TUNI	AMIS
1	668.8	863.6	422.1	293.8	110.4	21.1	16.2	17.9	3.2	3.2	0.0	0.0	0.0	0.0
2	949.7	316.6	173.7	198.1	103.9	27.6	14.6	9.7	4.9	1.6	0.0	0.0	0.0	0.0
MEAN	809.3	590.1	297.9	245.9	107.1	24.4	15.4	13.8	4.1	2.4	0.0	0.0	0.0	0.0
SD	198.6	386.8	175.6	67.7	4.6	4.6	1.1	5.7	1.1	1.1	0.0	0.0	0.0	0.0
SE	140.4	273.5	124.2	47.9	3.2	3.2	0.8	4.1	0.8	0.8	0.0	0.0	0.0	0.0

LOG BOOM STUDY, APRIL 10, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 10 APR 1978, 1330 HRS PST

STATION NE 64

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	NEMA	WORM	CNAU	EGGS	HARP	HEGG	ECTO	FORA	CUMA	BIVA	OSTR	CALA	TUNI	AMIS
1	311	625	391	273	164	16	5	9	1	1	0	0	0	0
2	801	349	472	232	100	18	12	3	3	1	0	0	0	0

NUMBERS PER 10 SQ CM

REP	NEMA	WORM	CNAU	EGGS	HARP	HEGG	ECTO	FORA	CUMA	BIVA	OSTR	CALA	TUNI	AMIS
1	504.9	1014.6	634.7	443.2	266.2	26.0	8.1	14.6	1.6	1.6	0.0	0.0	0.0	0.0
2	1300.3	566.6	766.2	376.6	162.3	29.2	19.5	4.9	4.9	1.6	0.0	0.0	0.0	0.0
MEAN	902.6	790.6	700.5	409.9	214.3	27.6	13.8	9.7	3.2	1.6	0.0	0.0	0.0	0.0
SD	562.5	316.8	93.0	47.1	73.5	2.3	8.0	6.9	2.3	-0.0	0.0	0.0	0.0	0.0
SE	397.7	224.0	65.7	33.3	51.9	1.6	5.7	4.9	1.6	0.0	0.0	0.0	0.0	0.0

LOG BOOM STUDY, APRIL 10, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 10 APR 1978, 1330 HRS PST

STATION NE 65

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	NEMA	WORM	EGGS	CNAU	FORA	HARP	HEGG	ECTO	CUMA	BIVA	OSTR	CALA	TUNI	AMIS
1	503	291	263	98	45	29	15	9	1	0	0	0	0	0
2	897	294	266	129	35	28	9	7	1	2	0	0	0	0

NUMBERS PER 10 SQ CM

REP	NEMA	WORM	EGGS	CNAU	FORA	HARP	HEGG	ECTO	CUMA	BIVA	OSTR	CALA	TUNI	AMIS
1	816.6	472.4	426.9	159.1	73.1	47.1	24.4	14.6	1.6	0.0	0.0	0.0	0.0	0.0
2	1456.2	477.3	431.8	209.4	56.8	45.5	14.6	11.4	1.6	3.2	0.0	0.0	0.0	0.0
MEAN	1136.4	474.8	429.4	184.3	64.9	46.3	19.5	13.0	1.6	1.6	0.0	0.0	0.0	0.0
SD	452.3	3.4	3.4	35.6	11.5	1.1	6.9	2.3	-0.0	2.3	0.0	0.0	0.0	0.0
SE	319.8	2.4	2.4	25.2	8.1	0.8	4.9	1.6	0.0	1.6	0.0	0.0	0.0	0.0

LOG BOOM STUDY, APRIL 10, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 10 APR 1978, 1330 HRS PST

STATION NE 66

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	EGGS	NEMA	CNAU	WORM	HARP	HEGG	FORA	TUNI	OSTR	BIVA	CALA	ECTO	CUMA	AMIS
1	254	333	93	116	6	4	1	0	0	1	0	0	0	0
2	683	340	205	151	16	11	6	2	1	0	0	0	0	0

NUMBERS PER 10 SQ CM

REP	EGGS	NEMA	CNAU	WORM	HARP	HEGG	FORA	TUNI	OSTR	BIVA	CALA	ECTO	CUMA	AMIS
1	412.3	540.6	151.0	188.3	9.7	6.5	1.6	0.0	0.0	1.6	0.0	0.0	0.0	0.0
2	1108.8	551.9	332.8	245.1	26.0	17.9	9.7	3.2	1.6	0.0	0.0	0.0	0.0	0.0
MEAN	760.6	546.3	241.9	216.7	17.9	12.2	5.7	1.6	0.8	0.8	0.0	0.0	0.0	0.0
SD	492.4	8.0	128.6	40.2	11.5	8.0	5.7	2.3	1.1	1.1	0.0	0.0	0.0	0.0
SE	348.2	5.7	90.9	28.4	8.1	5.7	4.1	1.6	0.8	0.8	0.0	0.0	0.0	0.0

TABLE 5. COPEPOD SPECIES AT STATION 6, APRIL 10, 1978. SEE TABLE 4 FOR STATION DESIGNATIONS.

NANAIMO ESTUARY LOG BOOM STUDY APRIL 10/78 HARP. SPECIES

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
TOTAL	= TOTAL
HUJA	= HUNTEMANIA JADENSIS
AMUN	= AMPHIASCUS UNDOSUS
ENUN	= ENHYDROSOMA UNIARTICULATUM
SCKN	= SCHIZOPERA KNABENI
FAEC	= FAMILY ECTINOSOMIDAE
TADI	= TACHIDIUS DISCIPES
MEPY	= MESOCHRA PYGMAEA
MILI	= MICROARTHRIDION LITTORALE
LAPA	= LAOPHONTID A
CYCC	= UNIDENTIFIED CYCLOPOID
STSSP	= STENHELIA (ST) SPECIES
PAHO	= PARASTENHELIA HORNELLI
LUSP	= LUNGIPEDIA SPECIES
HASP	= HARPACTICUS SPECIES
NAPA	= NANNOPUS PALUSTRIS
AMSP	= AMPHIASCOIDES SPECIES
DASP	= DACTYLOPODIA SPECIES
PACOC	= PARALAOPHONTE CONGENERA CONGENERA
HEDI	= HETEROLAOPHONTE DISCOPHORA
LIAN	= LIMNOCLETODES ANGUSTODES
HELIL	= HETEROLAOPHONTE LITTORALIS LONGISETIGERA
UCOP	= UNIDENTIFIED COPEPODITE

NANAIMO ESTUARY LOG BOOM STUDY APRIL 10/78 HARP. SPECIES

DATE 10 APR 1978, 1330 HRS PST

STATION NE 66

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	HUJA	FAEC	TADI	MEPY	MILI	SCKN	LAPA	DASP	LOSP	PACOC	HASP	CYCC	PAHO
1	10	8	1	1	0	0	0	0	0	0	0	0	0	0
2	41	36	1	0	1	1	1	1	0	0	0	0	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	HUJA	FAEC	TADI	MEPY	MILI	SCKN	LAPA	DASP	LOSP	PACOC	HASP	CYCC	PAHO
1	16.2	13.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	66.6	58.4	1.6	0.0	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	41.4	35.7	1.6	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
SD	35.6	32.1	-0.0	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
SE	25.2	22.7	0.0	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY APRIL 10/78 HARP. SPECIES

DATE 10 APR 1978, 1330 HRS PST

STATION NE 65

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	HUJA	FAEC	ENUN	SCKN	MEPY	MILI	LAPA	AMUN	CYCC	PAHO	STSSP	LOSP	HELIL
1	44	14	10	6	2	3	2	0	1	1	1	1	0	0
2	37	16	11	4	4	0	0	2	0	0	0	0	1	0

NUMBERS PER 10 SQ CM

REP	TOTAL	HUJA	FAEC	ENUN	SCKN	MEPY	MILI	LAPA	AMUN	CYCC	PAHO	STSSP	LOSP	HELIL
1	71.4	24.4	17.4	10.5	3.5	5.2	3.5	0.0	1.7	1.7	1.7	1.7	0.0	0.0
2	60.1	25.3	17.4	6.3	6.3	0.0	0.0	3.2	0.0	0.0	0.0	0.0	1.6	0.0
MEAN	65.7	24.8	17.4	8.4	4.9	2.6	1.7	1.6	0.9	0.9	0.9	0.9	0.8	0.0
SD	8.0	0.6	0.0	2.9	2.0	3.7	2.5	2.2	1.2	1.2	1.2	1.2	1.1	0.0
SE	5.7	0.4	0.0	2.1	1.4	2.6	1.7	1.6	0.9	0.9	0.9	0.9	0.8	0.0

NANAIMO ESTUARY LOG BOOM STUDY APRIL 10/78 HARP. SPECIES

DATE 10 APR 1978, 1330 HRS PST

STATION NE 64

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	AMSP	FAEC	HUJA	AMUN	MEPY	PACOC	SCKN	PAHO	DASP	ENUN	HEDI	MILI	HELIL
1	180	62	20	13	5	3	2	0	1	1	0	0	0	0
2	118	32	34	23	3	2	2	4	0	0	1	1	1	0

NUMBERS PER 10 SQ CM

REP	TOTAL	AMSP	FAEC	HUJA	AMUN	MEPY	PACOC	SCKN	PAHO	DASP	ENUN	HEDI	MILI	HELIL
1	292.2	169.3	54.6	35.5	13.7	8.2	5.5	0.0	2.7	2.7	0.0	0.0	0.0	0.0
2	191.6	59.5	63.2	42.8	5.6	3.7	3.7	7.4	0.0	0.0	1.9	1.9	1.9	0.0
MEAN	241.9	114.4	58.9	39.1	9.6	6.0	4.6	3.7	1.4	1.4	0.9	0.9	0.9	0.0
SD	71.2	77.6	6.1	5.1	5.7	3.2	1.2	5.3	1.9	1.9	1.3	1.3	1.3	0.0
SE	50.3	54.9	4.3	3.6	4.0	2.2	0.9	3.7	1.4	1.4	0.9	0.9	0.9	0.0

NANAIMO ESTUARY LOG BOOM STUDY APRIL 10/78 HARP, SPECIES

DATE 10 APR 1978, 1330 HRS PST

STATION NE 63

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	HUJA	AMSP	LAPA	MEPY	ENUN	LIAN	AMUN	SCKN	PACOC	MILI	HELIL	TADI
1	81	18	12	13	5	6	2	2	5	0	0	1	1	1
2	81	33	9	0	7	3	6	5	0	4	3	1	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	FAEC	HUJA	AMSP	LAPA	MEPY	ENUN	LIAN	AMUN	SCKN	PACOC	MILI	HELIL	TADI
1	131.5	35.9	23.9	25.9	10.0	12.0	4.0	4.0	10.0	0.0	0.0	2.0	2.0	2.0
2	131.5	61.1	16.7	0.0	13.0	5.6	11.1	9.3	0.0	7.4	5.6	1.9	0.0	0.0
MEAN	131.5	48.5	20.3	13.0	11.5	8.8	7.5	6.6	5.0	3.7	2.8	1.9	1.0	1.0
SD	0.0	17.9	5.1	18.3	2.1	4.5	5.0	3.7	7.0	5.2	3.9	0.1	1.4	1.4
SE	0.0	12.6	3.6	13.0	1.5	3.2	3.6	2.6	5.0	3.7	2.8	0.1	1.0	1.0

NANAIMO ESTUARY LOG BOOM STUDY APRIL 10/78 HARP. SPECIES

DATE 10 APR 1978, 1330 HRS PST

STATION NE 62

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	ENUN	LAPA	SCKN	AMUN	HUJA	MEPY	AMSP	STSSP	MILI	HELIL	PACOC	UCOP
1	240	118	12	10	7	5	7	9	6	4	2	0	1	1
2	164	48	27	14	11	12	8	5	8	4	6	2	0	0

RAW COUNTS

REP	HEDI	PAHO	TADI	LIAN	LOSP	CYCC	DASP	HASP	NAPA
1	0	0	0	0	0	0	0	0	0
2	1	0	0	0	0	0	0	0	0

NANAIMO ESTUARY LOG BOOM STUDY APRIL 10/78 HARP. SPECIES

DATE 10 APR 1978, 1330 HRS PST

STATION NE 62

CORE AREA 6.16 SQ CM, DEPTH 1 CM

NUMBERS PER 10 SQ CM

REP	TOTAL	FAEC	ENUN	LAPA	SCKN	AMUN	HUJA	MEPY	AMSP	STSSP	MILI	HELIL	PACOC	UCOP
1	389.6	252.6	25.7	21.4	15.0	10.7	15.0	19.3	12.8	8.6	4.3	0.0	2.1	2.1
2	266.2	87.5	49.2	25.5	20.1	21.9	14.6	9.1	14.6	7.3	10.9	3.6	0.0	0.0
MEAN	327.9	170.1	37.5	23.5	17.5	16.3	14.8	14.2	13.7	7.9	7.6	1.8	1.1	1.1
SD	87.2	116.7	16.6	2.9	3.6	7.9	0.3	7.2	1.2	0.9	4.7	2.6	1.5	1.5
SE	61.7	82.5	11.8	2.1	2.5	5.6	0.2	5.1	0.9	0.6	3.3	1.8	1.1	1.1

NUMBERS PER 10 SQ CM

REP	MEDI	PAHO	TADI	LIAN	LOSP	CYCC	DASP	HASP	NAPA
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY APRIL 10/78 HARP. SPECIES

DATE 10 APR 1978, 1330 HRS PST

STATION NE 61

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	ENUN	LAPA	AMUN	SCKN	MILI	MEPY	AMSP	HUJA	STSSP	HELIL	PAHO	LIAN
1	395	43	22	10	8	8	5	4	4	1	1	1	0	1
2	629	50	17	16	9	6	6	5	3	4	3	1	1	0

NUMBERS PER 10 SQ CM

REP	TOTAL	FAEC	ENUN	LAPA	AMUN	SCKN	MILI	MEPY	AMSP	HUJA	STSSP	HELIL	PAHO	LIAN
1	641.2	255.3	130.6	59.4	47.5	47.5	29.7	23.7	23.7	5.9	5.9	5.9	0.0	5.9
2	1021.1	421.9	143.5	135.0	75.9	50.6	50.6	42.2	25.3	33.8	25.3	8.4	8.4	0.0
MEAN	831.2	338.6	137.0	97.2	61.7	49.1	40.2	33.0	24.5	19.8	15.6	7.2	4.2	3.0
SD	268.6	117.8	9.1	53.5	20.1	2.2	14.8	13.0	1.1	19.7	13.7	1.8	6.0	4.2
SE	189.9	83.3	6.4	37.8	14.2	1.6	10.5	9.2	0.8	13.9	9.7	1.3	4.2	3.0

NANAIMO ESTUARY LOG BOOM STUDY APRIL 10/78 HARP. SPECIES

DATE 10 APR 1978, 1330 HRS PST

STATION NE 60

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	SCKN	AMUN	ENUN	LIAN	MILI	HUJA	MEPY	LAPA	LOSP	UCOP	TADI	CYCC
1	214	34	15	15	11	10	7	4	4	3	1	1	1	0

NUMBERS PER 10 SQ CM

REP	TOTAL	FAEC	SCKN	AMUN	ENUN	LIAN	MILI	HUJA	MEPY	LAPA	LOSP	UCOP	TADI	CYCC
1	347.4	111.4	49.2	49.2	36.1	32.8	22.9	13.1	13.1	9.8	3.3	3.3	3.3	0.0
MEAN	347.4	111.4	49.2	49.2	36.1	32.8	22.9	13.1	13.1	9.8	3.3	3.3	3.3	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 6. MEIOFAUNA AT STATION 5, APRIL 11, 1978. THERE WAS NO BOOM PRESENT AT THE TIME OF SAMPLING BUT IMPRESSIONS OF LOG WERE CLEARLY VISIBLE. STATION NUMBERS RUN FROM 50 NEAR THE MOORING DOLPHIN TO 57 OUTSIDE OF THE AREA COVERED BY LOGS AT INTERVALS OF APPROXIMATELY 15 cm.

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
BIVA	BIVALVES
AMIS	AMPHIPOD AND ISOPOD
TUNI	TUNICATES
ECTO	ECTOPROCT
FORA	FORAMS
NEMA	NEMATODE
WORM	WORM
EGGS	EGGS
OSTR	OSTRACODA
CUMA	CUMACEA
HARP	HARPACTICOIDS
HEGG	HARPACTICOIDS WITH EGGS
CNAU	COPEPOD NAUPLIUS
CALA	CALANOID
GAST	GASTROPODS

LOG BOOM STUDY, APRIL 11, 1978, DOLPHIN 150 TRANSECT MEIOFAUNA

DATE 11 APR 1978, 1330 HRS PST

STATION NE 50

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	CNAU	HARP	NEMA	WORM	FORA	EGGS	OSTR	HEGG	AMIS	CUMA	ECTO	CALA	TUNI	GAST
1	432	338	266	220	94	90	89	77	21	9	2	1	0	0

NUMBERS PER 10 SQ CM

REP	CNAU	HARP	NEMA	WORM	FORA	EGGS	OSTR	HEGG	AMIS	CUMA	ECTO	CALA	TUNI	GAST
1	701.3	548.7	431.8	357.1	152.6	146.1	144.5	125.0	34.1	14.6	3.2	1.6	0.0	0.0
MEAN	701.3	548.7	431.8	357.1	152.6	146.1	144.5	125.0	34.1	14.6	3.2	1.6	0.0	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LOG BOOM STUDY, APRIL 11, 1978, DOLPHIN 150 TRANSECT MEIOFAUNA

DATE 11 APR 1978, 1330 HRS PST

STATION NE 51

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	CNAU	NEMA	HARP	EGGS	WORM	HEGG	FORA	OSTR	AMIS	CALA	ECTO	CUMA	BIVA	TUNI
1	957	306	535	137	87	98	40	48	23	5	1	1	0	0
2	288	422	191	125	154	58	60	4	8	0	3	1	1	0

NUMBERS PER 10 SQ CM

REP	CNAU	NEMA	HARP	EGGS	WORM	HEGG	FORA	OSTR	AMIS	CALA	ECTO	CUMA	BIVA	TUNI
1	1553.6	496.8	868.5	222.4	141.2	159.1	64.9	77.9	37.3	8.1	1.6	1.6	0.0	0.0
2	467.5	685.1	310.1	202.9	250.0	94.2	97.4	6.5	13.0	0.0	4.9	1.6	1.6	0.0
MEAN	1010.6	590.9	589.3	212.7	195.6	126.6	81.2	42.2	25.2	4.1	3.2	1.6	0.8	0.0
SD	767.9	133.2	394.9	13.8	76.9	45.9	23.0	50.5	17.2	5.7	2.3	-0.0	1.1	0.0
SE	543.0	94.2	279.2	9.7	54.4	32.5	16.2	35.7	12.2	4.1	1.6	0.0	0.8	0.0

LOG BOOM STUDY, APRIL 11, 1978, DOLPHIN 150 TRANSECT MEIOFAUNA

DATE 11 APR 1978, 1330 HRS PST

STATION NE 52

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	CNAU	HARP	EGGS	WORM	NEMA	FORA	HEGG	OSTR	AMIS	CUMA	ECTO	CALA	TUNI	GAST
1	1270	520	149	177	182	60	87	33	5	3	2	0	0	0
2	792	447	390	145	123	118	81	17	1	1	1	0	0	0

NUMBERS PER 10 SQ CM

REP	CNAU	HARP	EGGS	WORM	NEMA	FORA	HEGG	OSTR	AMIS	CUMA	ECTO	CALA	TUNI	GAST
1	2061.7	844.2	241.9	287.3	295.5	97.4	141.2	53.6	8.1	4.9	3.2	0.0	0.0	0.0
2	1285.7	725.6	633.1	235.4	199.7	191.6	131.5	27.6	1.6	1.6	1.6	0.0	0.0	0.0
MEAN	1673.7	784.9	437.5	261.4	247.6	144.5	136.4	40.6	4.9	3.2	2.4	0.0	0.0	0.0
SD	548.7	83.8	276.6	36.7	67.7	66.6	6.9	18.4	4.6	2.3	1.1	0.0	0.0	0.0
SE	388.0	59.2	195.6	26.0	47.9	47.1	4.9	13.0	3.2	1.6	0.8	0.0	0.0	0.0

LOG BOOM STUDY, APRIL 11, 1978, DOLPHIN 150 TRANSECT MEIOFAUNA

DATE 11 APR 1978, 1330 HRS PST

STATION NE 53

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	CNAU	NEMA	HARP	EGGS	WORM	HEGG	FORA	OSTR	AMIS	ECTO	CUMA	CALA	TUNI	GAST
1	383	379	161	129	114	34	16	1	0	2	0	0	0	0
2	633	284	249	108	116	53	18	22	4	0	0	0	0	0

NUMBERS PER 10 SQ CM

REP	CNAU	NEMA	HARP	EGGS	WORM	HEGG	FORA	OSTR	AMIS	ECTO	CUMA	CALA	TUNI	GAST
1	621.8	615.3	261.4	209.4	185.1	55.2	26.0	1.6	0.0	3.2	0.0	0.0	0.0	0.0
2	1027.6	461.0	404.2	175.3	188.3	86.0	29.2	35.7	6.5	0.0	0.0	0.0	0.0	0.0
MEAN	824.7	538.1	332.8	192.4	186.7	70.6	27.6	18.7	3.2	1.6	0.0	0.0	0.0	0.0
SD	287.0	109.1	101.0	24.1	2.3	21.8	2.3	24.1	4.6	2.3	0.0	0.0	0.0	0.0
SE	202.9	77.1	71.4	17.0	1.6	15.4	1.6	17.0	3.2	1.6	0.0	0.0	0.0	0.0

LOG BOOM STUDY, APRIL 11, 1978, DOLPHIN 150 TRANSECT MEIOFAUNA

DATE 11 APR 1978, 1330 HRS PST

STATION NE 54

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	CNAU	WORM	NEMA	HARP	EGGS	OSTR	HEGG	FORA	AMIS	CUMA	CALA	ECTO	TUNI	GAST
1	328	155	101	107	147	45	23	16	15	1	0	0	0	0
2	344	47	90	84	23	10	18	10	0	1	0	0	0	0

NUMBERS PER 10 SQ CM

REP	CNAU	WORM	NEMA	HARP	EGGS	OSTR	HEGG	FORA	AMIS	CUMA	CALA	ECTO	TUNI	GAST
1	532.5	251.6	164.0	173.7	238.6	73.1	37.3	26.0	24.4	1.6	0.0	0.0	0.0	0.0
2	558.4	76.3	146.1	136.4	37.3	16.2	29.2	16.2	0.0	1.6	0.0	0.0	0.0	0.0
MEAN	545.5	164.0	155.0	155.0	138.0	44.6	33.3	21.1	12.2	1.6	0.0	0.0	0.0	0.0
SD	18.4	124.0	12.6	26.4	142.3	40.2	5.7	6.9	17.2	-0.0	0.0	0.0	0.0	0.0
SE	13.0	87.7	8.9	18.7	100.6	28.4	4.1	4.9	12.2	0.0	0.0	0.0	0.0	0.0

LOG BOOM STUDY, APRIL 11, 1978, DOLPHIN 150 TRANSECT MEIOFAUNA

DATE 11 APR 1978, 1330 HRS PST

STATION NE 55

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	CNAU	WORM	HARP	EGGS	NEMA	HEGG	FORA	AMIS	OSTR	CALA	CUMA	ECTO	BIVA	TUNI
1	289	250	256	186	141	37	30	13	27	3	0	1	1	0
2	177	161	94	110	125	13	7	22	6	0	1	0	0	0

NUMBERS PER 10 SQ CM

REP	CNAU	WORM	HARP	EGGS	NEMA	HEGG	FORA	AMIS	OSTR	CALA	CUMA	ECTO	BIVA	TUNI
1	469.2	405.8	415.6	301.9	228.9	60.1	48.7	21.1	43.8	4.9	0.0	1.6	1.6	0.0
2	287.3	261.4	152.6	178.6	202.9	21.1	11.4	35.7	9.7	0.0	1.6	0.0	0.0	0.0
MEAN	378.2	333.6	284.1	240.3	215.9	40.6	30.0	28.4	26.8	2.4	0.8	0.8	0.8	0.0
SD	128.6	102.2	186.0	87.2	18.4	27.5	26.4	10.3	24.1	3.4	1.1	1.1	1.1	0.0
SE	90.9	72.2	131.5	61.7	13.0	19.5	18.7	7.3	17.0	2.4	0.8	0.8	0.8	0.0

LOG BOOM STUDY, APRIL 11, 1978, DOLPHIN 150 TRANSECT MEIOFAUNA

DATE 11 APR 1978, 1330 HRS PST

STATION NE 56

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	CNAU	EGGS	HARP	WORM	NEMA	FORA	OSTR	HEGG	AMIS	CUMA	BIVA	CALA	ECTO	TUNI
1	236	351	328	256	118	31	48	41	13	5	5	0	1	0
2	712	434	405	340	158	89	69	59	23	1	1	1	0	0

NUMBERS PER 10 SQ CM

REP	CNAU	EGGS	HARP	WORM	NEMA	FORA	OSTR	HEGG	AMIS	CUMA	BIVA	CALA	ECTO	TUNI
1	383.1	569.8	532.5	415.6	191.6	50.3	77.9	66.6	21.1	8.1	8.1	0.0	1.6	0.0
2	1155.8	704.5	657.5	551.9	256.5	144.5	112.0	95.8	37.3	1.6	1.6	1.6	0.0	0.0
MEAN	769.5	637.2	595.0	483.8	224.0	97.4	95.0	81.2	29.2	4.9	4.9	0.8	0.8	0.0
SD	546.4	95.3	88.4	96.4	45.9	66.6	24.1	20.7	11.5	4.6	4.6	1.1	1.1	0.0
SE	386.4	67.4	62.5	68.2	32.5	47.1	17.0	14.6	8.1	3.2	3.2	0.8	0.8	0.0

LOG BOOM STUDY, APRIL 11, 1978, DOLPHIN 150 TRANSECT MEIOFAUNA

DATE 11 APR 1978, 1330 HRS PST

STATION NE 57

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	NEMA	WORM	HARP	CNAU	EGGS	FORA	OSTR	AMIS	HEGG	CUMA	ECTO	CALA	TUNI	GAST
1	110	255	50	69	32	72	34	35	8	2	1	1	0	0
2	328	162	115	64	73	10	26	15	33	4	4	0	0	0

NUMBERS PER 10 SQ CM

REP	NEMA	WORM	HARP	CNAU	EGGS	FORA	OSTR	AMIS	HEGG	CUMA	ECTO	CALA	TUNI	GAST
1	178.6	414.0	81.2	112.0	51.9	116.9	55.2	56.8	13.0	3.2	1.6	1.6	0.0	0.0
2	532.5	263.0	186.7	103.9	118.5	16.2	42.2	24.4	53.6	6.5	6.5	0.0	0.0	0.0
MEAN	355.5	338.5	133.9	108.0	85.2	66.6	48.7	40.6	33.3	4.9	4.1	0.8	0.0	0.0
SD	250.2	106.8	74.6	5.7	47.1	71.2	9.2	23.0	28.7	2.3	3.4	1.1	0.0	0.0
SE	176.9	75.5	52.8	4.1	33.3	50.3	6.5	16.2	20.3	1.6	2.4	0.8	0.0	0.0

TABLE 7. COPEPOD SPECIES AT STATION 5, APRIL 11, 1978. SEE TABLE 6 FOR STATION DESIGNATIONS.

NANAIMO ESTUARY LOG BOOM STUDY APRIL 11/78 HARP. SPECIES

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
TOTAL	= TOTAL
HUJA	= HUNTEMANIA JADENSIS
AMUN	= AMPHIASCUS UNDOSUS
ENUN	= ENHYDROSOMA UNIARTICULATUM
SCKN	= SCHIZOPERA KNABENI
FAEC	= FAMILY ECTINOSOMIDAE
MILI	= MICROARTHRIDION LITTORALE
LAPA	= LAOPHONTID A
MEPY	= MESOCHRA PYGMAEA
STSSP	= STENHELIA (ST) SPECIES
HASP	= HARPACTICUS SPECIES
HELIL	= HETEROLAOPHONTE LITTORALIS LONGISETIGERA
PACOC	= PARALAOPHONTE CONGENERA CONGENERA
LIAN	= LIMNOCLETODES ANGUSTODES
SCCA	= SCOTTOLANA CANADENSIS
AENPE	= ACRENHYDROSOMA PERPLEXUM
CYCC	= UNIDENTIFIED CYCLOPOID
TISP	= TISBE SPECIES
NISPA	= NITOCRA SPINIPES ARMATA
TADI	= TACHIDIUS DISCIPES
DASP	= DACTYLOPODIA SPECIES
ENBU	= ENHYDROSOMA BUCHHOLTZI
SASP	= SARSAMEIRA SPECIES
AMSP	= AMPHIASCOIDES SPECIES
UCOP	= UNIDENTIFIED COPEPODITE

NANAIMO ESTUARY LOG BOOM STUDY APRIL 11/78 HARP, SPECIES

DATE 11 APR 1978, 1330 HR8 PST

STATION NE 50

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	STSSP	SCKN	MILI	FAEC	ENUN	CYCC	LAPA	HUJA	PACOC	AMUN	AMSP	LIAN	SCCA
1	415	27	26	17	15	8	3	3	2	2	1	0	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	STSSP	SCKN	MILI	FAEC	ENUN	CYCC	LAPA	HUJA	PACOC	AMUN	AMSP	LIAN	SCCA
1	673.7	174.9	168.4	110.1	97.2	51.8	19.4	19.4	13.0	13.0	6.5	0.0	0.0	0.0
MEAN	673.7	174.9	168.4	110.1	97.2	51.8	19.4	19.4	13.0	13.0	6.5	0.0	0.0	0.0
SD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY APRIL 11/78 HARP. SPECIES

DATE 11 APR 1978, 1330 HRS PST

STATION NE 51

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	MILI	SCKN	STSSP	LAPA	ENUN	CYCC	HUJA	PACOC	MEPY	LIAN	TISP	SCCA
1	633	45	21	10	5	6	5	0	0	1	0	0	0	0
2	249	37	37	18	13	7	1	5	5	1	1	1	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	FAEC	MILI	SCKN	STSSP	LAPA	ENUN	CYCC	HUJA	PACOC	MEPY	LIAN	TISP	SCCA
1	1027.6	497.2	232.0	110.5	55.2	66.3	55.2	0.0	0.0	11.0	0.0	0.0	0.0	0.0
2	404.2	118.7	118.7	57.7	41.7	22.5	3.2	16.0	16.0	3.2	3.2	3.2	0.0	0.0
MEAN	715.9	308.0	175.4	84.1	48.5	44.4	29.2	8.0	8.0	7.1	1.6	1.6	0.0	0.0
SD	440.8	267.7	80.1	37.3	9.6	31.0	36.8	11.3	11.3	5.5	2.3	2.3	0.0	0.0
SE	311.7	189.3	56.7	26.4	6.8	21.9	26.0	8.0	8.0	3.9	1.6	1.6	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY APRIL 11/78 HARP. SPECIES

DATE 11 APR 1978, 1330 HRS PST

STATION NE 52

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	MILI	SCKN	FAEC	ENUN	STSSP	CYCC	HUJA	PACOC	LAPA	AMUN	TISP	MEPY	LIAN
1	607	21	11	13	6	5	5	3	2	0	2	1	0	0
2	528	30	17	11	10	9	3	0	1	3	0	0	1	0

NUMBERS PER 10 SQ CM

REP	TOTAL	MILI	SCKN	FAEC	ENUN	STSSP	CYCC	HUJA	PACOC	LAPA	AMUN	TISP	MEPY	LIAN
1	985.4	299.9	157.1	185.7	85.7	71.4	71.4	42.8	28.6	0.0	28.6	14.3	0.0	0.0
2	857.1	302.5	171.4	110.9	100.8	90.8	30.3	0.0	10.1	30.3	0.0	0.0	10.1	0.0
MEAN	921.3	301.2	164.3	148.3	93.3	81.1	50.8	21.4	19.3	15.1	14.3	7.1	5.0	0.0
SD	90.7	1.9	10.1	52.8	10.7	13.7	29.1	30.3	13.1	21.4	20.2	10.1	7.1	0.0
SE	64.1	1.3	7.2	37.4	7.6	9.7	20.6	21.4	9.2	15.1	14.3	7.1	5.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY APRIL 11/78 HARP. SPECIES

DATE 11 APR 1978, 1330 HRS PST

STATION NE 53

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	MILI	HUJA	SCKN	ENUN	STSSP	PACOC	LAPA	LIAN	NISPA	MEPY	SCCA	HELIL
1	195	26	47	4	4	3	1	0	1	0	1	1	0	0
2	302	51	28	9	8	2	2	2	1	1	0	0	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	FAEC	MILI	HUJA	SCKN	ENUN	STSSP	PACOC	LAPA	LIAN	NISPA	MEPY	SCCA	HELIL
1	316.6	93.5	169.1	14.4	14.4	10.8	3.6	0.0	3.6	0.0	3.6	3.6	0.0	0.0
2	490.3	240.4	132.0	42.4	37.7	9.4	9.4	9.4	4.7	4.7	0.0	0.0	0.0	0.0
MEAN	403.4	167.0	150.5	28.4	26.1	10.1	6.5	4.7	4.2	2.4	1.8	1.8	0.0	0.0
SD	122.8	103.9	26.2	19.8	16.5	1.0	4.1	6.7	0.8	3.3	2.5	2.5	0.0	0.0
SE	86.9	73.4	18.5	14.0	11.7	0.7	2.9	4.7	0.6	2.4	1.8	1.8	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY APRIL 11/78 HARP. SPECIES

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STATION NE 54

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	HUJA	MILI	FAEC	SCKN	DASP	ENUN	TADI	HASP	PACOC	LAPA	MEPY	ENBU	CYCC
1	130	44	30	4	3	3	2	1	1	1	1	0	0	0
2	102	54	22	6	4	1	0	0	0	0	0	1	1	1

NUMBERS PER 10 SQ CM

REP	TOTAL	HUJA	MILI	FAEC	SCKN	DASP	ENUN	TADI	HASP	PACOC	LAPA	MEPY	ENBU	CYCC
1	211.0	103.2	70.3	9.4	7.0	7.0	4.7	2.3	2.3	2.3	2.3	0.0	0.0	0.0
2	165.6	99.4	40.5	11.0	7.4	1.8	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
MEAN	188.3	101.3	55.4	10.2	7.2	4.4	2.3	1.2	1.2	1.2	1.2	0.9	0.9	0.9
SD	32.1	2.7	21.1	1.2	0.2	3.7	3.3	1.7	1.7	1.7	1.7	1.3	1.3	1.3
SE	22.7	1.9	14.9	0.8	0.2	2.6	2.3	1.2	1.2	1.2	1.2	0.9	0.9	0.9

NANAIMO ESTUARY LOG BOOM STUDY APRIL 11/78 HARP. SPECIES

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STATION NE 55

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	MILI	HASP	FAEC	HUJA	SCKN	DASP	MEPY	STSSP	NISPA	CYCC	ENUN	SCCA	HELIL
1	293	42	17	16	18	17	5	3	2	2	1	1	0	0
2	107	22	19	9	4	3	0	2	1	1	1	0	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	MILI	HASP	FAEC	HUJA	SCKN	DASP	MEPY	STSSP	NISPA	CYCC	ENUN	SCCA	HELIL
1	475.6	161.1	65.2	61.4	69.0	65.2	19.2	11.5	7.7	7.7	3.8	3.8	0.0	0.0
2	173.7	61.6	53.2	25.2	11.2	8.4	0.0	5.6	2.8	2.8	2.8	0.0	0.0	0.0
MEAN	324.7	111.4	59.2	43.3	40.1	36.8	9.6	8.6	5.2	5.2	3.3	1.9	0.0	0.0
SD	213.5	70.3	8.5	25.6	40.9	40.2	13.6	4.2	3.4	3.4	0.7	2.7	0.0	0.0
SE	151.0	49.7	6.0	18.1	28.9	28.4	9.6	3.0	2.4	2.4	0.5	1.9	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY APRIL 11/78 HARP. SPECIES

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STATION NE 56

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	HUJA	SCKN	MILI	FAEC	HASP	ENUN	LAPA	CYCC	SASP	MEPY	ENBU	DASP	NISPA
1	369	60	21	18	16	6	2	2	3	1	0	1	1	1
2	464	52	11	4	3	5	4	3	1	2	2	1	1	1

RAW COUNTS

REP	TADI	PACOC	UCOP	STSSP	SCCA	LIAN	HELIL	TISP	AMUN	AMSP	AENPE
1	2	0	0	0	0	0	0	0	0	0	0
2	0	1	0	0	0	0	0	0	0	0	0

NANAIMO ESTUARY LOG BOOM STUDY APRIL 11/78 HARP. SPECIES

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STATION NE 56

CORE AREA 6.16 SQ CM, DEPTH 1 CM

NUMBERS PER 10 SQ CM

REP	TOTAL	HUJA	SCKN	MILI	FAEC	HASP	ENUN	LAPA	CYCC	SASP	MEPY	ENBU	DASP	NISPA
1	599.0	268.2	93.9	80.5	71.5	26.8	8.9	8.9	13.4	4.5	0.0	4.5	4.5	4.5
2	753.2	430.4	91.1	33.1	24.8	41.4	33.1	24.8	8.3	16.6	16.6	8.3	8.3	8.3
MEAN	676.1	349.3	92.5	56.8	48.2	34.1	21.0	16.9	10.8	10.5	8.3	6.4	6.4	6.4
SD	109.1	114.7	2.0	33.5	33.0	10.3	17.1	11.2	3.6	8.5	11.7	2.7	2.7	2.7
SE	77.1	81.1	1.4	23.7	23.3	7.3	12.1	7.9	2.6	6.0	8.3	1.9	1.9	1.9

NUMBERS PER 10 SQ CM

REP	TADI	PACOC	UCOP	STSSP	SCCA	LIAN	HELIL	TISP	AMUN	AMSP	AENPE
1	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	4.5	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	6.3	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	4.5	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY APRIL 11/78 HARP. SPECIES

DATE 11 APR 1978, 1330 HRS PST

STATION NE 57

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	STSSP	MILI	HUJA	HASP	SCKN	FAEC	MEPY	ENUN	PACOC	SASP	CYCC	AMSP	UCOP
1	58	3	5	5	13	4	4	1	1	0	0	1	1	1
2	148	35	29	11	1	12	10	8	7	4	3	1	0	0

RAW COUNTS

REP	LAPA	LIAN	HELIL	TISP	ENBU	DASP	SCCA	NISPA	AMUN	TADI	AENPE
1	0	0	0	0	0	0	0	0	0	0	0
2	1	0	0	0	0	0	0	0	0	0	0

NANAIMO ESTUARY LOG BOOM STUDY APRIL 11/78 HARP. SPECIES

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STATION NE 57

CORE AREA 6.16 SQ CM, DEPTH 1 CM

NUMBERS PER 10 SQ CM

REP	TOTAL	STSSP	MILI	HUJA	HASP	SCKN	FAEC	MEPY	ENUN	PACOC	SASP	CYCC	AMSP	UCOP
1	94.2	7.2	12.1	12.1	31.4	9.7	9.7	2.4	2.4	0.0	0.0	2.4	2.4	2.4
2	240.3	68.9	57.1	21.7	2.0	23.6	19.7	15.8	13.8	7.9	5.9	2.0	0.0	0.0
MEAN	167.2	38.1	34.6	16.9	16.7	16.6	14.7	9.1	8.1	3.9	3.0	2.2	1.2	1.2
SD	103.3	43.6	31.8	6.8	20.8	9.9	7.1	9.4	8.0	5.6	4.2	0.3	1.7	1.7
SE	73.1	30.8	22.5	4.8	14.7	7.0	5.0	6.7	5.7	3.9	3.0	0.2	1.2	1.2

NUMBERS PER 10 SQ CM

REP	LAPA	LIAN	HELIL	TISP	ENBU	DASP	SCCA	NISPA	AMUN	TADI	AENPE
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 8. MEIOFAUNA AT STATION 6, MAY 23, 1978. STATION NUMBERS RUN FROM 60 NEAR MOORING DOLPHIN TO 66 IN ADJACENT INTER-BOOM ALLEY.

LOG BOOM STUDY, MAY 23, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
BIVA	= BIVALVES
AMIS	= AMPHIPOD AND ISOPOD
TUNI	= TUNICATES
ECTO	= ECTOPROCT
FORA	= FORAMS
NEMA	= NEMATODE
WORM	= WORM
EGGS	= EGGS
OSTR	= OSTRACODA
CUMA	= CUMACEA
HARP	= HARPACTICOIDS
HEGG	= HARPACTICOIDS WITH EGGS
CNAU	= COPEPOD NAUPLIUS
CALA	= CALANOID
GAST	= GASTROPODS

LOG BOOM STUDY, MAY 23, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 23 MAY 1978, 1430 HRS PST

STATION NE 60

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	NEMA	HARP	CNAU	WORM	EGGS	HEGG	FORA	OSTR	CUMA	AMIS	ECTO	CALA	TUNI	GAST
1	1010	1128	281	434	73	39	49	30	8	10	4	0	0	0
2	1191	752	569	225	45	23	11	25	16	8	3	0	0	0

NUMBERS PER 10 SQ CM

REP	NEMA	HARP	CNAU	WORM	EGGS	HEGG	FORA	OSTR	CUMA	AMIS	ECTO	CALA	TUNI	GAST
1	1639.6	1831.2	456.2	704.5	118.5	63.3	79.5	48.7	13.0	16.2	6.5	0.0	0.0	0.0
2	1933.4	1220.8	923.7	365.3	73.1	37.3	17.9	40.6	26.0	13.0	4.9	0.0	0.0	0.0
MEAN	1786.5	1526.0	689.9	534.9	95.8	50.3	48.7	44.6	19.5	14.6	5.7	0.0	0.0	0.0
SD	207.8	431.6	330.6	239.9	32.1	18.4	43.6	5.7	9.2	2.3	1.1	0.0	0.0	0.0
SE	146.9	305.2	233.8	169.6	22.7	13.0	30.8	4.1	6.5	1.6	0.8	0.0	0.0	0.0

LOG BOOM STUDY, MAY 23, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 23 MAY 1978, 1430 HRS PST

STATION NE 61

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	NEMA	HARP	WORM	CNAU	EGGS	FORA	HEGG	OSTR	AMIS	CUMA	BIVA	CALA	ECTO	TUNI
1	511	106	173	128	107	44	12	13	1	1	1	0	0	0
2	572	260	179	163	65	55	32	8	1	0	0	0	0	0

NUMBERS PER 10 SQ CM

REP	NEMA	HARP	WORM	CNAU	EGGS	FORA	HEGG	OSTR	AMIS	CUMA	BIVA	CALA	ECTO	TUNI
1	829.5	172.1	280.8	207.8	173.7	71.4	19.5	21.1	1.6	1.6	1.6	0.0	0.0	0.0
2	928.6	422.1	290.6	264.6	105.5	89.3	51.9	13.0	1.6	0.0	0.0	0.0	0.0	0.0
MEAN	879.1	297.1	285.7	236.2	139.6	80.4	35.7	17.0	1.6	0.8	0.8	0.0	0.0	0.0
SD	70.0	176.8	6.9	40.2	48.2	12.6	23.0	5.7	-0.0	1.1	1.1	0.0	0.0	0.0
SE	49.5	125.0	4.9	28.4	34.1	8.9	16.2	4.1	0.0	0.8	0.8	0.0	0.0	0.0

LOG BOOM STUDY, MAY 23, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 23 MAY 1978, 1430 HRS PST

STATION NE 62

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	NEMA	HARP	WORM	CNAU	HEGG	EGGS	FORA	OSTR	AMIS	CUMA	ECTO	CALA	TUNI	GAST
1	673	439	245	219	60	36	28	10	2	4	4	0	0	0
2	593	470	273	240	49	56	62	9	7	3	2	0	0	0

NUMBERS PER 10 SQ CM

REP	NEMA	HARP	WORM	CNAU	HEGG	EGGS	FORA	OSTR	AMIS	CUMA	ECTO	CALA	TUNI	GAST
1	1092.5	712.7	397.7	355.5	97.4	58.4	45.5	16.2	3.2	6.5	6.5	0.0	0.0	0.0
2	962.7	763.0	443.2	389.6	79.5	90.9	100.6	14.6	11.4	4.9	3.2	0.0	0.0	0.0
MEAN	1027.6	737.8	420.5	372.6	88.5	74.7	73.1	15.4	7.3	5.7	4.9	0.0	0.0	0.0
SD	91.8	35.6	32.1	24.1	12.6	23.0	39.0	1.1	5.7	1.1	2.3	0.0	0.0	0.0
SE	64.9	25.1	22.7	17.0	8.9	16.2	27.6	0.8	4.1	0.8	1.6	0.0	0.0	0.0

LOG BOOM STUDY, MAY 23, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 23 MAY 1978, 1430 HRS PST

STATION NE 63

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	NEMA	CNAU	HARP	WORM	EGGS	FORA	HEGG	ECTO	CUMA	OSTR	AMIS	CALA	TUNI	GAST
1	626	506	467	275	28	28	18	10	9	9	4	0	0	0
2	822	340	278	171	33	23	31	10	5	0	2	0	0	0

NUMBERS PER 10 SQ CM

REP	NEMA	CNAU	HARP	WORM	EGGS	FORA	HEGG	ECTO	CUMA	OSTR	AMIS	CALA	TUNI	GAST
1	1016.2	821.4	758.1	446.4	45.5	45.5	29.2	16.2	14.6	14.6	6.5	0.0	0.0	0.0
2	1334.4	551.9	451.3	277.6	53.6	37.3	50.3	16.2	8.1	0.0	3.2	0.0	0.0	0.0
MEAN	1175.3	686.7	604.7	362.0	49.5	41.4	39.8	16.2	11.4	7.3	4.9	0.0	0.0	0.0
SD	225.0	190.6	217.0	119.4	5.7	5.7	14.9	-0.0	4.6	10.3	2.3	0.0	0.0	0.0
SE	159.1	134.7	153.4	84.4	4.1	4.1	10.6	0.0	3.2	7.3	1.6	0.0	0.0	0.0

LOG BOOM STUDY, MAY 23, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 23 MAY 1978, 1430 HRS PST

STATION NE 64

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	NEMA	WORM	HARP	CNAU	EGGS	HEGG	FORA	CUMA	OSTR	AMIS	ECTO	CALA	TUNI	GAST
1	503	240	168	147	39	26	12	6	6	5	0	0	0	0
2	333	211	201	165	28	25	19	5	4	5	7	0	0	0

NUMBERS PER 10 SQ CM

REP	NEMA	WORM	HARP	CNAU	EGGS	HEGG	FORA	CUMA	OSTR	AMIS	ECTO	CALA	TUNI	GAST
1	816.6	389.6	272.7	238.6	63.3	42.2	19.5	9.7	9.7	8.1	0.0	0.0	0.0	0.0
2	540.6	342.5	326.3	267.9	45.5	40.6	30.8	8.1	6.5	8.1	11.4	0.0	0.0	0.0
MEAN	678.6	366.1	299.5	253.2	54.4	41.4	25.2	8.9	8.1	8.1	5.7	0.0	0.0	0.0
SD	195.1	33.3	37.9	20.7	12.6	1.1	8.0	1.1	2.3	0.0	8.0	0.0	0.0	0.0
SE	138.0	23.5	26.8	14.6	8.9	0.8	5.7	0.8	1.6	0.0	5.7	0.0	0.0	0.0

LOG BOOM STUDY, MAY 23, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 23 MAY 1978, 1430 HRS PST

STATION NE 65

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	NEMA	HARP	WORM	CNAU	EGGS	HEGG	FORA	ECTO	AMIS	OSTR	CUMA	CALA	TUNI	GAST
1	203	93	187	96	77	13	10	4	1	1	0	0	0	0
2	342	298	182	196	79	28	7	12	4	2	0	0	0	0

NUMBERS PER 10 SQ CM

REP	NEMA	HARP	WORM	CNAU	EGGS	HEGG	FORA	ECTO	AMIS	OSTR	CUMA	CALA	TUNI	GAST
1	329.5	151.0	303.6	155.8	125.0	21.1	16.2	6.5	1.6	1.6	0.0	0.0	0.0	0.0
2	555.2	483.8	295.5	318.2	128.2	45.5	11.4	19.5	6.5	3.2	0.0	0.0	0.0	0.0
MEAN	442.4	317.4	299.5	237.0	126.6	33.3	13.8	13.0	4.1	2.4	0.0	0.0	0.0	0.0
SD	159.6	235.3	5.7	114.8	2.3	17.2	3.4	9.2	3.4	1.1	0.0	0.0	0.0	0.0
SE	112.8	166.4	4.1	81.2	1.6	12.2	2.4	6.5	2.4	0.8	0.0	0.0	0.0	0.0

LOG BOOM STUDY, MAY 23, 1978, DOLPHIN 130/131 TRANSECT MEIOFAUNA

DATE 23 MAY 1978, 1430 HRS PST

STATION NE 66

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	NEMA	WORM	HARP	CNAU	EGGS	HEGG	FORA	OSTR	AMIS	CUMA	CALA	ECTO	TUNI	GAST
1	497	181	165	127	105	9	4	3	3	0	0	0	0	0
2	97	115	73	74	49	4	3	2	1	0	0	0	0	0

NUMBERS PER 10 SQ CM

REP	NEMA	WORM	HARP	CNAU	EGGS	HEGG	FORA	OSTR	AMIS	CUMA	CALA	ECTO	TUNI	GAST
1	806.8	293.8	267.9	206.2	170.5	14.6	6.5	4.9	4.9	0.0	0.0	0.0	0.0	0.0
2	157.5	186.7	118.5	120.1	79.5	6.5	4.9	3.2	1.6	0.0	0.0	0.0	0.0	0.0
MEAN	482.1	240.3	193.2	163.1	125.0	10.6	5.7	4.1	3.2	0.0	0.0	0.0	0.0	0.0
SD	459.2	75.8	105.6	60.8	64.3	5.7	1.1	1.1	2.3	0.0	0.0	0.0	0.0	0.0
SE	324.7	53.6	74.7	43.0	45.5	4.1	0.8	0.8	1.6	0.0	0.0	0.0	0.0	0.0

TABLE 9. COPEPOD SPECIES AT STATION 6, MAY 23, 1978. SEE TABLE 8 FOR STATION DESIGNATIONS.

NANAIMO ESTUARY LOG BOOM STUDY MAY 23/78 HARP. SPECIES

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
TOTAL	= TOTAL
HUJA	= HUNTEMANIA JADENSIS
AMUN	= AMPHIASCUS UNDOSUS
ENUN	= ENHYDROSOMA UNIARTICULATUM
SCCA	= SCOTTOLANA CANADENSIS
SCKN	= SCHIZOPERA KNABENI
STSSP	= STENHELIA (ST) SPECIES
PACOC	= PARALAOPHONTE CONGENERA CONGENERA
FAEC	= FAMILY ECTINOSOMIDAE
MILI	= MICROARTHRIDION LITTORALE
MEPY	= MESOCHRA PYGMAEA
TADI	= TACHIDIUS DISCIPES
AENPE	= ACRENHYDROSOMA PERPLEXUM
AMSP	= AMPHIASCOIDES SPECIES
LAPA	= LAOPHONTID A
HELIL	= HETEROLAOPHONTE LITTORALIS LONGISETIGERA
AMESP	= AMEIRA SPECIES
HEDI	= HETEROLAOPHONTE DISCOPHORA
LOSP	= LONGIPEDIA SPECIES
NISPA	= NITOCRA SPINIPES ARMATA
UCOP	= UNIDENTIFIED COPEPODITE

NANAIMO ESTUARY LOG BOOM STUDY MAY 23/78 HARP. SPECIES

DATE 23 MAY 1978, 1430 HRS PST

STATION NE 60

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	MILI	FAEC	HUJA	STSSP	MEPY	AMESP	AMSP	ENUN	SCKN	PACOC	AMUN	AENPE	TADI
1	1167	54	30	17	8	7	2	2	0	3	1	1	0	0
2	775	30	23	18	2	2	4	2	4	0	0	0	1	0

NUMBERS PER 10 SQ CM

REP	TOTAL	MILI	FAEC	HUJA	STSSP	MEPY	AMESP	AMSP	ENUN	SCKN	PACOC	AMUN	AENPE	TADI
1	1894.5	818.4	454.7	257.6	121.2	106.1	30.3	30.3	0.0	45.5	15.2	15.2	0.0	0.0
2	1258.1	438.9	336.5	263.3	29.3	29.3	58.5	29.3	58.5	0.0	0.0	0.0	14.6	0.0
MEAN	1576.3	628.6	395.6	260.5	75.3	67.7	44.4	29.8	29.3	22.7	7.6	7.6	7.3	0.0
SD	450.0	268.4	83.6	4.0	65.0	54.3	19.9	0.7	41.4	32.2	10.7	10.7	10.3	0.0
SE	318.2	189.8	59.1	2.8	46.0	38.4	14.1	0.5	29.3	22.7	7.6	7.6	7.3	0.0

NANAIMO ESTUARY LOG BOOM STUDY MAY 23/78 HARP, SPECIES

DATE 23 MAY 1978, 1430 HRS PST

STATION NE 61

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	MILI	FAEC	HUJA	AMESP	ENUN	MEPY	SCKN	AMUN	AMSP	HEDI	STSSP	AENPE	PACOC
1	118	8	13	20	10	12	10	4	1	1	3	0	1	0
2	292	28	22	10	8	6	4	4	3	2	1	2	1	1

RAW COUNTS

REP	LOSP	TADI	LAPA	NISPA	UCOP	SCCA	HELIL
1	0	2	0	0	0	0	0
2	1	0	0	0	0	0	0

NANAIMO ESTUARY LOG BOOM STUDY MAY 23/78 HARP. SPECIES

DATE 23 MAY 1978, 1430 HRS PST

STATION NE 61

CORE AREA 6.16 SQ CM, DEPTH 1 CM

NUMBERS PER 10 SQ CM

REP	TOTAL	MILI	FAEC	HUJA	AMESP	ENUN	MEPY	SCKN	AMUN	AMSP	HEDI	STSSP	AENPE	PACOC
1	191.6	18.0	29.3	45.1	22.5	27.0	22.5	9.0	2.3	2.3	6.8	0.0	2.3	0.0
2	474.0	142.7	112.1	51.0	40.8	30.6	20.4	20.4	15.3	10.2	5.1	10.2	5.1	5.1
MEAN	332.8	80.4	70.7	48.0	31.7	28.8	21.5	14.7	8.8	6.2	5.9	5.1	3.7	2.5
SD	199.7	88.2	58.6	4.2	12.9	2.5	1.5	8.0	9.2	5.6	1.2	7.2	2.0	3.6
SE	141.2	62.3	41.4	2.9	9.1	1.8	1.1	5.7	6.5	4.0	0.8	5.1	1.4	2.5

NUMBERS PER 10 SQ CM

REP	LOSP	TADI	LAPA	NISPA	UCOP	SCCA	HELIL
1	0.0	4.5	0.0	0.0	0.0	0.0	0.0
2	5.1	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	2.5	2.3	0.0	0.0	0.0	0.0	0.0
SD	3.6	3.2	0.0	0.0	0.0	0.0	0.0
SE	2.5	2.3	0.0	0.0	0.0	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY MAY 23/78 HARP. SPECIES

DATE 23 MAY 1978, 1430 HRS PST

STATION NE 62

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	MILI	HUJA	MEPY	STSSP	ENUN	SCKN	AMESP	NISPA	UCOP	AMUN	AENPE	LAPA
1	475	53	23	14	6	4	4	1	0	0	0	0	1	0
2	519	52	17	12	4	3	1	3	2	1	1	1	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	FAEC	MILI	HUJA	MEPY	STSSP	ENUN	SCKN	AMESP	NISPA	UCOP	AMUN	AENPE	LAPA
1	771.1	385.6	167.3	101.8	43.6	29.1	29.1	7.3	0.0	0.0	0.0	0.0	7.3	0.0
2	842.5	451.7	147.7	104.2	34.7	26.1	8.7	26.1	17.4	8.7	8.7	8.7	0.0	0.0
MEAN	806.8	418.6	157.5	103.0	39.2	27.6	18.9	16.7	8.7	4.3	4.3	4.3	3.6	0.0
SD	50.5	46.8	13.9	1.7	6.3	2.1	14.4	13.3	12.3	6.1	6.1	6.1	5.1	0.0
SE	35.7	33.1	9.8	1.2	4.5	1.5	10.2	9.4	8.7	4.3	4.3	4.3	3.6	0.0

NANAIMO ESTUARY LOG BOOM STUDY MAY 23/78 HARP. SPECIES

DATE 23 MAY 1978, 1430 HRS PST

STATION NE 63

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	MILI	HUJA	ENUN	AMESP	MEPY	STSSP	AMSP	SCKN	AMUN	TADI	LAPA	NISPA
1	485	47	20	10	5	0	1	2	2	0	2	0	0	0
2	309	57	17	6	6	7	4	2	1	4	0	1	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	FAEC	MILI	HUJA	ENUN	AMESP	MEPY	STSSP	AMSP	SCKN	AMUN	TADI	LAPA	NISPA
1	787.3	415.8	176.9	88.5	44.2	0.0	8.8	17.7	17.7	0.0	17.7	0.0	0.0	0.0
2	501.6	272.3	81.2	28.7	28.7	33.4	19.1	9.6	4.8	19.1	0.0	4.8	0.0	0.0
MEAN	644.5	344.0	129.1	58.6	36.4	16.7	14.0	13.6	11.2	9.6	8.8	2.4	0.0	0.0
SD	202.0	101.5	67.7	42.3	11.0	23.6	7.3	5.8	9.1	13.5	12.5	3.4	0.0	0.0
SE	142.9	71.7	47.9	29.9	7.8	16.7	5.1	4.1	6.5	9.6	8.8	2.4	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY MAY 23/78 HARP. SPECIES

DATE 23 MAY 1978, 1430 HRS PST

STATION NE 64

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	HUJA	MILI	STSSP	ENUN	TADI	AMESP	MEPY	AMUN	NISPA	AENPE	LAPA	UCOP
1	194	37	22	22	2	9	9	3	1	2	3	0	0	0
2	226	27	25	17	7	1	0	3	2	1	0	0	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	FAEC	HUJA	MILI	STSSP	ENUN	TADI	AMESP	MEPY	AMUN	NISPA	AENPE	LAPA	UCOP
1	314.9	105.9	63.0	63.0	5.7	25.8	25.8	8.6	2.9	5.7	8.6	0.0	0.0	0.0
2	366.9	119.3	110.5	75.1	30.9	4.4	0.0	13.3	8.8	4.4	0.0	0.0	0.0	0.0
MEAN	340.9	112.6	86.7	69.1	18.3	15.1	12.9	10.9	5.9	5.1	4.3	0.0	0.0	0.0
SD	36.7	9.5	33.6	8.6	17.8	15.1	18.2	3.3	4.2	0.9	6.1	0.0	0.0	0.0
SE	26.0	6.7	23.8	6.1	12.6	10.7	12.9	2.3	3.0	0.7	4.3	0.0	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY MAY 23/78 HARP. SPECIES

DATE 23 MAY 1978, 1430 HRS PST

STATION NE 65

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	MILI	HUJA	ENUN	TADI	MEPY	AMUN	NISPA	UCOP	AMSP	AENPE	LAPA	PACOC
1	106	40	16	13	4	0	4	1	0	0	0	0	0	0
2	326	54	18	7	1	2	0	0	0	0	0	0	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	FAEC	MILI	HUJA	ENUN	TADI	MEPY	AMUN	NISPA	UCOP	AMSP	AENPE	LAPA	PACOC
1	172.1	88.2	35.3	28.7	8.8	0.0	8.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0
2	529.2	348.5	116.2	45.2	6.5	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	350.6	218.4	75.7	36.9	7.6	6.5	4.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0
SD	252.5	184.0	57.2	11.7	1.7	9.1	6.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0
SE	178.6	130.1	40.4	8.2	1.2	6.5	4.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0

NANAIMO ESTUARY LOG BOOM STUDY MAY 23/78 HARP. SPECIES

DATE 23 MAY 1978, 1430 HRS PST

STATION NE 66

CORE AREA 6.16 SQ CM, DEPTH 1 CM

RAW COUNTS

REP	TOTAL	HUJA	MILI	MEPY	TADI	FAEC	NISPA	UCOP	AMSP	LAPA	HEDI	AENPE	LOSP	PACOC
1	174	98	10	4	0	1	0	0	0	0	0	0	0	0
2	77	66	2	0	3	1	0	0	0	0	0	0	0	0

NUMBERS PER 10 SQ CM

REP	TOTAL	HUJA	MILI	MEPY	TADI	FAEC	NISPA	UCOP	AMSP	LAPA	HEDI	AENPE	LOSP	PACOC
1	282.5	245.0	25.0	10.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	125.0	114.6	3.5	0.0	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	203.7	179.8	14.2	5.0	2.6	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	111.3	92.2	15.2	7.1	3.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	78.7	65.2	10.8	5.0	2.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAPTION FOR FIGURE

Fig. 1. Nanaimo River delta showing sampling locations.

CAPTION FOR TABLES

Table 1. Copepod species at station 6, Feb 2, 1978. Station 60 is under the log boom; station 61 is outside the log boom in adjacent alley. Two core sizes were used, 6.16 cm^2 and 7.54 cm^2. The larger core was sampled at two depths, 0-1 cm and 5-8 cm, below the sediment surface.

Table 2. Meiofauna at station 6, March 3, 1978. Station numbers run from 60 near the mooring dolpin to 69 in adjacent inter-boom alley at intervals of 10-15 m.

Table 3. Copepod species at station 6, March 3, 1978. See Table 2 for station designations.

Table 4. Meiofauna at station 6, April 10, 1978. Station numbers run from 60 near the mooring dolphin to 66 in adjacent inter-boom alley at intervals of approximately 15 m.

Table 5. Copepod species at station 6, April 10, 1978. See Table 4 for station designations.

Table 6. Meiofauna at station 5, April 11, 1978. There was no boom present at the time of sampling but impressions of log were clearly visible. Station numbers run from 50 near the mooring dolphin to 57 outside of the area covered by logs at intervals of approximately 15 m.

Table 7. Copepod species at station 5, April 11, 1978. See Table 6 for station designations.

Table 8. Meiofauna at station 6, May 23, 1978. Station numbers run from 60 near mooring dolphin to 66 in adjacent inter-boom alley.

Table 9. Copepod species at station 6, May 23, 1978. See Table 8 for station designations.