Meiofauna Counts from the Fraser River, 1980 and 1981 Fraser Foreshore Core Samples

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MEIOFAUNA COUNTS FROM THE FRASER RIVER; 1980 AND 1981 FRASER FORESHORE CORE SAMPLES

by

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ABSTRACT

Sibert, J. R., T. J. Brown, and B. A. Kask. 1982. Meiofauna counts from the Fraser River; 1980 and 1981 Fraser foreshore core samples. Can. Data Rep. Fish. Aquat. Sci. 342: iv + 129 p.

Meiofauna were sampled on 14 occasions from April, 1980 to June, 1981. This report presents the counts of major meiofaunal groups obtained from the benthic cores.

Key words: Meiofauna, harpacticoid, Fraser estuary

RESUME

Sibert, J. R., T. J. Brown, and B. A. Kask. 1982. Meiofauna counts from the Fraser River; 1980 and 1981 Fraser foreshore core samples. Can. Data Rep. Fish. Aquat. Sci. 342: iv + 129 p.

On a prélevé à 14 reprises, depuis avril 1980 à juin 1981, des échantillons de méiofaune. Le présent rapport énumère les principaux groupes de méiofaune trouvés dans les carottes benthiques.

Mots-clés: méiofaune, harpacticidés, estuaire du Fraser.

METHODS

Iona (1), Steveston (2), and Roberts Bank (3), the three stations established on the Fraser River estuary, are shown in Fig. 1. Iona Island sewage channel benthic station was site 1 (Fig. 2). Steveston pit benthic sampling occurred at site 6 (Fig. 3) and Roberts Bank sampling occurred at site 1 (Fig. 4).

The cores had an area of 6.16 cm^2 which were pushed into the sediment by hand, stoppered, pulled from the sediment, and stoppered at the bottom. Six replicate cores were taken at each station. 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 washings and decantation through a 44-μ seive. The meiofaunal groups were enumerated and the first 100 harpacticoids were separated and stored for later identification to species wherever possible.

The results are presented in Tables 1 through 8.

Fig. 1. Fraser River Delta showing sampling locations at Iona (1), Steveston (2), and Roberts Bank (3).

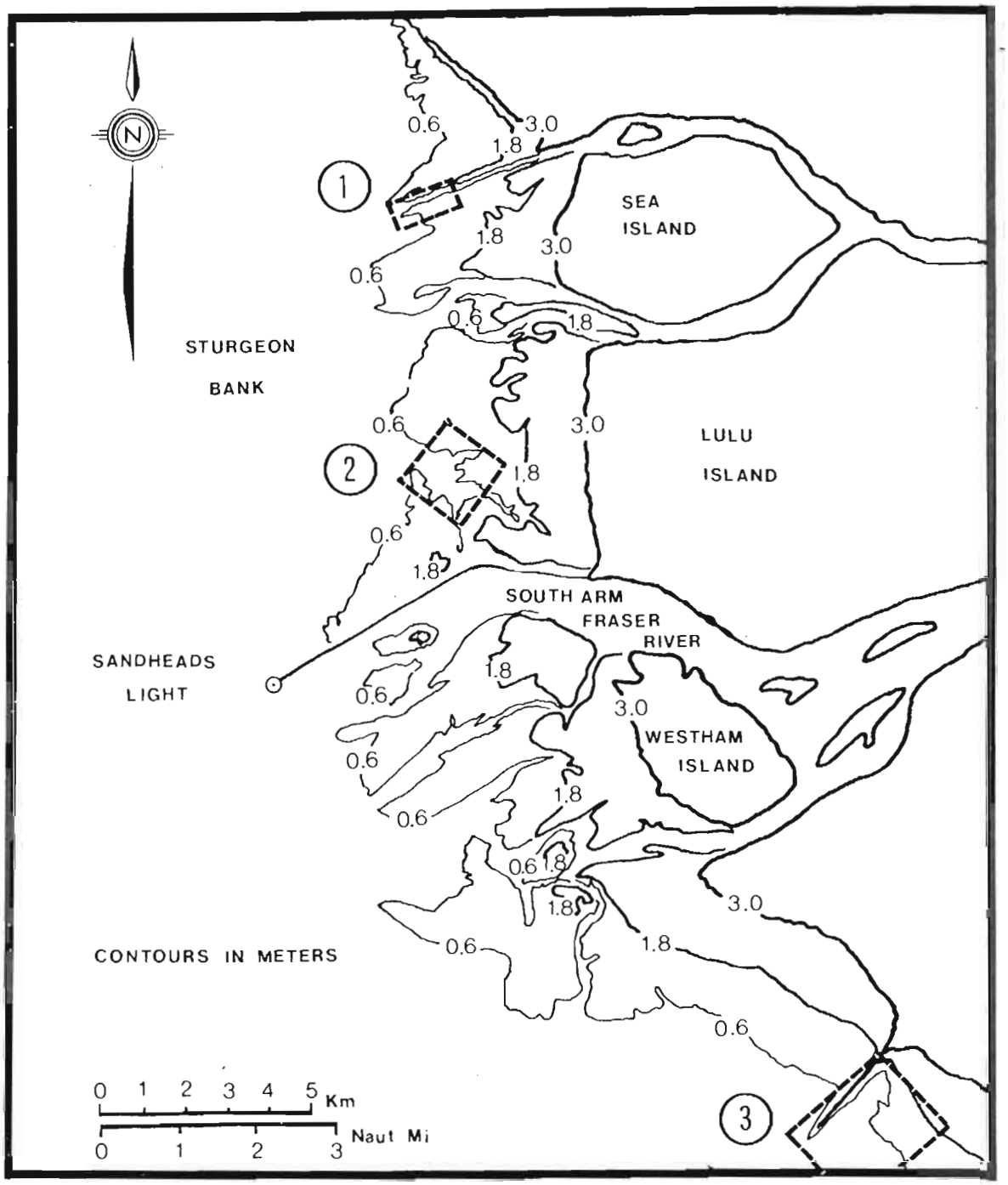
N
0.6
3.0
1.8
1
SEA
ISLAND
1.8
3.0
0.6
0.6
1.8
STURGEON
BANK
0.6
3.0
LULU
ISLAND
2
1.8
0.6
1.8
SOUTH ARM
FRASER
RIVER
SANDHEADS
LIGHT
1.8
0.6
3.0
WESTHAM
ISLAND
0.6
1.8
0.6
0.6
1.8
1.8
3.0
CONTOURS IN METERS
0.6
1.8
0.6
3
0 1 2 3 4 5 Km
0 1 2 3 Naut Mi

Fig. 2. Iona Island sewage channel. Benthic samples were taken from Station 1.

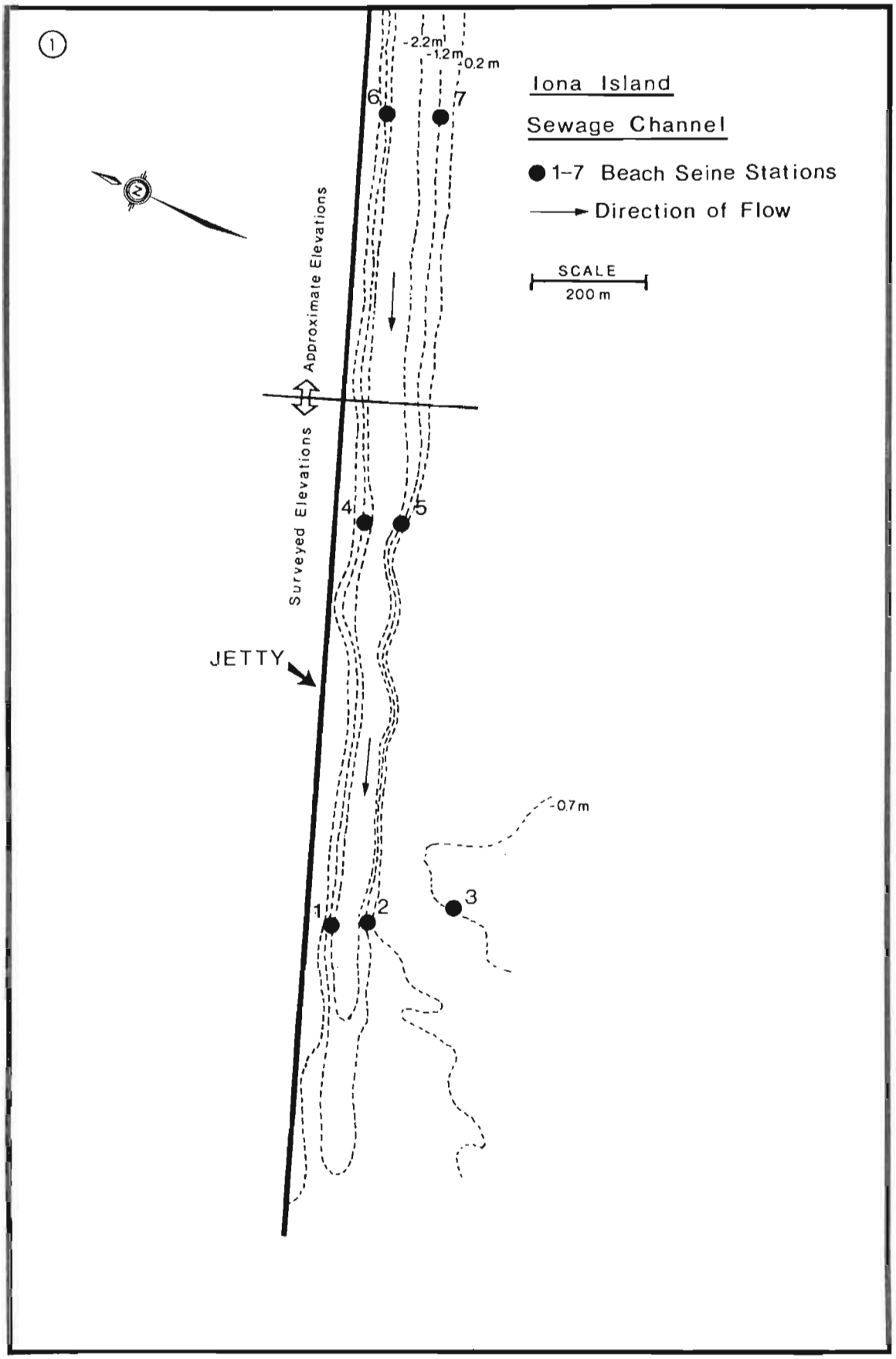
①
-2.2m
-1.2m
-0.2m
6
7
Iona Island
Sewage Channel
1-7 Beach Seine Stations
Direction of Flow
SCALE
200 m
N
Approximate Elevations
Surveyed Elevations
4
5
JETTY
-0.7m
1
2
3

Fig. 3. Steveston Pit. Benthic samples were taken from Station 6.

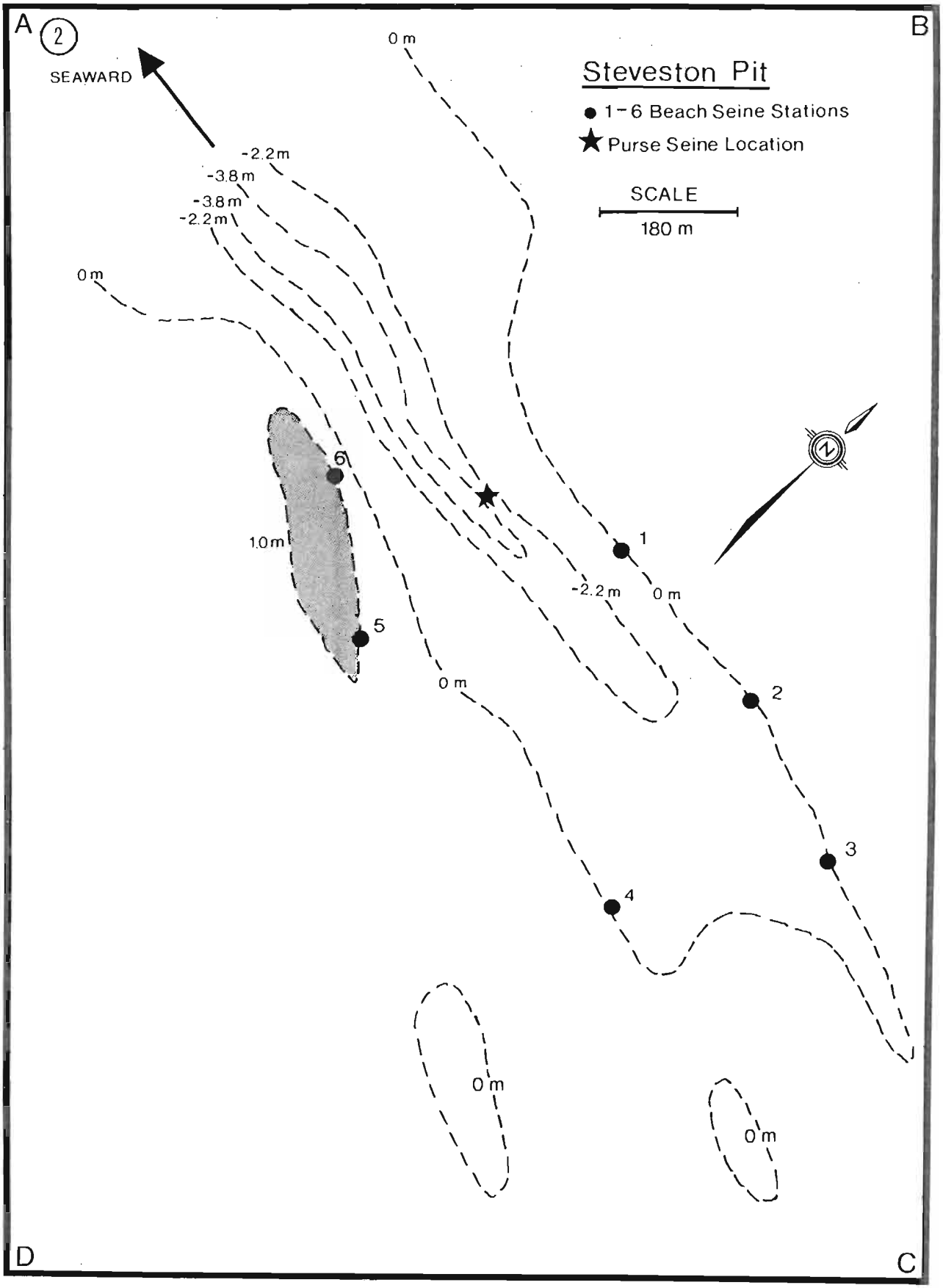
A
2
B
SEAWARD
0 m
Steveston Pit
1-6 Beach Seine Stations
Purse Seine Location
SCALE
180 m
-2.2m
-3.8m
-3.8m
-2.2m
0 m
6
1.0m
5
1
-2.2m
0 m
2
0 m
3
4
0 m
0 m
D
C

Fig. 4. Roberts Bank. Benthic samples were taken from Station 1.

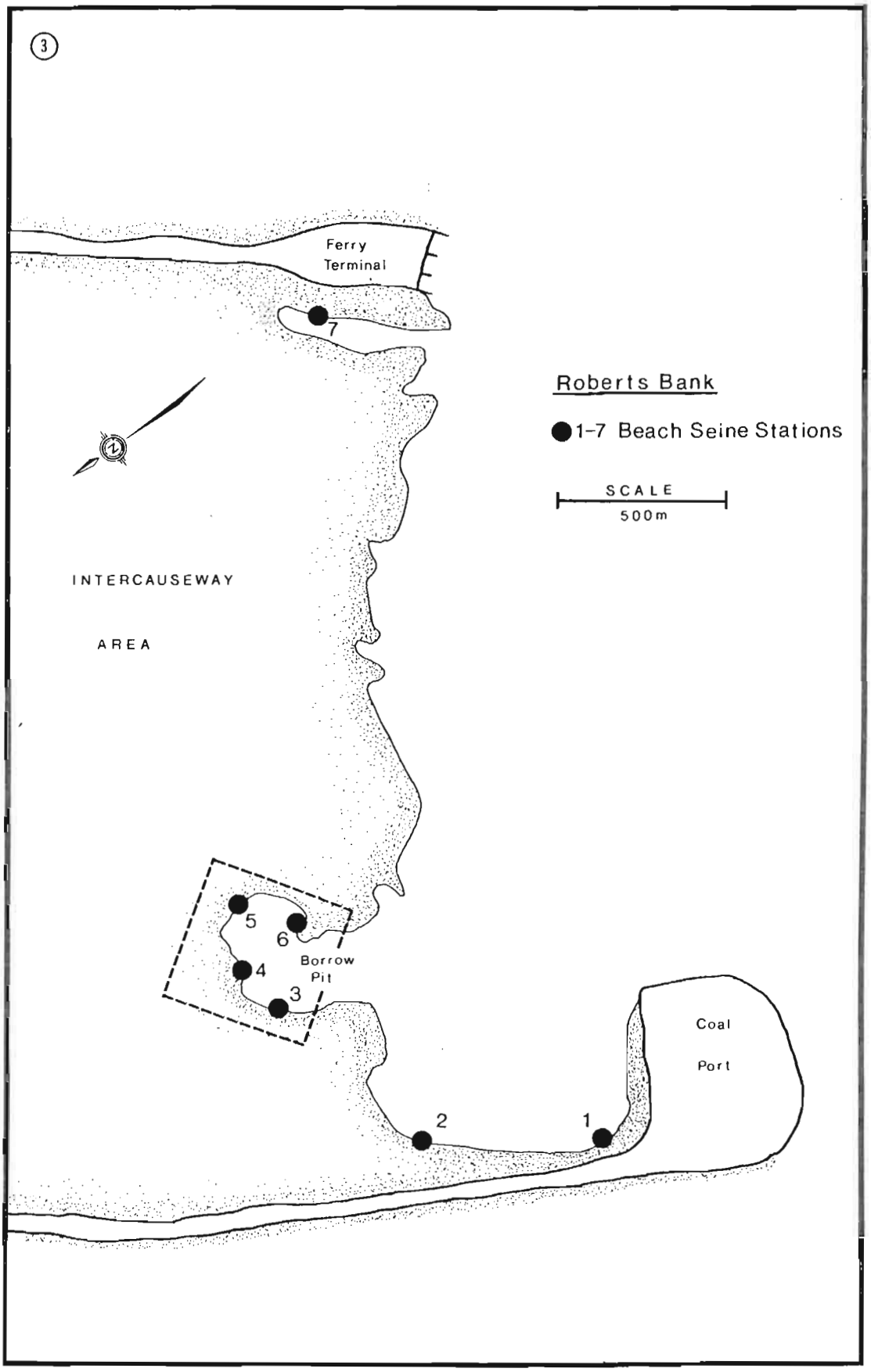
3
Ferry
Terminal
7
Roberts Bank
1-7 Beach Seine Stations
SCALE
500m
INTERCAUSEWAY
AREA
5
6
4
3
Borrow
Pit
Coal
Port
2
1

TABLE 1.

FRASER FORESHORE; CORE SAMPLES

MAJOR CATEGORIES

STATION 1 (IONA)

MEIOTAB1: FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
HARP	HARPACTICOID COPEPODS
CALA	CALANOID COPEPODS
CNAU	COPEPOD NAUPLII
NEMA	NEMATODES
WORM	WORMS
AMPH	AMPHIPODS
EGGS	UNIDENTIFIED EGGS
BIVA	BIVALVES
FORA	FORAMS
ECTO	ECTOPROCTS
CUMA	CUMACEANS
GEGG	GASTROPOD EGGS
OSTR	OSTRACODS
BCYP	BARNACLE CYPRIS
BARN	BARNACLE
CMEG	CRAB MEGALOPS
HYDR	HYDROIDS
COYP	COLONIAL POLYP
PTER	PTEROPOD
ACAR	ACARINA
GAST	GASTROPODS
ROTI	ROTIFER
INSE	INSECT
TUNI	TUNICATES
BNAU	BARNACLE NAUPLII
EGCA	UNIDENTIFIED EGG CASE
ISOP	ISOPODS

Table 1 (cont'd)

MEDU = MEDUSAE

MYSI = MYSIDS

CLAD = CLADOCERANS

DECA = DECAPODS

CYCL = CYCLOPOID COPEPODS

ECHL = ECHINODERM LARVAE

PARA = PARASITIC COPEPODS

ECHD = ECHINODERMS

CRZO = CRAB ZOEA

CILI = CILIATES

LVIN = LARVAL INSECTS

TURB = TURBELLARIAN

NMRT = NEMERTINES

FISH = FISH

TARD = TARDIGRADA

Table 1 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: MAJOR CATEGORIES

DATE 17 APR 1980, 1305 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	CNAU	WORM	HARP	EGGS	ROTI	AMPH	CUMA	BIVA	OSTR	ECTO	FORA	HYDR	ISOP	ACAR	ECHL	CLAD
1	3606	688	86	181	57	0	9	9	4	1	0	0	2	0	0	0	0
2	1817	400	170	66	45	0	2	2	8	1	0	0	0	0	0	0	0
3	1679	194	128	76	11	0	6	4	2	3	1	0	0	0	0	0	0
4	1658	625	132	79	89	0	22	20	5	2	2	0	0	1	1	0	0
5	1103	216	137	58	47	28	4	3	7	2	1	2	0	0	0	0	0
6	2203	330	40	95	12	108	5	7	4	3	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	CNAU	WORM	HARP	EGGS	ROTI	AMPH	CUMA	BIVA	OSTR	ECTO	FORA	HYDR	ISOP	ACAR	ECHL	CLAD
1	5853.9	1116.9	139.6	293.8	92.5	0.0	14.6	14.6	6.5	1.6	0.0	0.0	3.2	0.0	0.0	0.0	0.0
2	2949.7	649.4	276.0	107.1	73.1	0.0	3.2	3.2	13.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	2725.6	314.9	207.8	123.4	17.9	0.0	9.7	6.5	3.2	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0
4	2691.6	1014.6	214.3	128.2	144.5	0.0	35.7	32.5	8.1	3.2	3.2	0.0	0.0	1.6	1.6	0.0	0.0
5	1790.6	350.6	222.4	94.2	76.3	45.5	6.5	4.9	11.4	3.2	1.6	3.2	0.0	0.0	0.0	0.0	0.0
6	3576.3	535.7	64.9	154.2	19.5	175.3	8.1	11.4	6.5	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	3264.6	663.7	187.5	150.2	70.6	36.8	13.0	12.2	8.1	3.2	1.1	0.5	0.5	0.3	0.3	0.0	0.0
SD	1392.3	336.1	74.1	73.3	47.7	70.3	11.8	10.8	3.6	1.5	1.3	1.3	1.3	0.7	0.7	0.0	0.0
SE	568.4	137.2	30.3	29.9	19.5	28.7	4.8	4.4	1.5	0.6	0.5	0.5	0.5	0.3	0.3	0.0	0.0

Table 1 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 15 MAY 1980, 1155 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	CNAU	HARP	ROTI	WORM	EGGS	CUMA	HYDR	AMPH	ECTO	BIVA	OSTR	ECHL	CLAD	NMRT	ISOP	EGCA
1	1107	164	136	21	35	71	21	12	11	0	0	1	0	0	0	0	0
2	1851	233	99	132	68	9	7	15	4	0	1	1	0	0	0	0	0
3	1566	179	114	62	35	15	14	1	3	6	2	0	0	0	0	0	0
4	1504	234	157	73	31	17	24	3	2	3	1	1	0	0	0	0	0
5	1672	86	103	120	51	16	2	1	2	0	0	0	0	0	0	0	0
6	1910	273	148	116	30	52	12	0	3	4	1	1	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	CNAU	HARP	ROTI	WORM	EGGS	CUMA	HYDR	AMPH	ECTO	BIVA	OSTR	ECHL	CLAD	NMRT	ISOP	EGCA
1	1797.1	266.2	220.8	34.1	56.8	115.3	34.1	19.5	17.9	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0
2	3004.9	378.2	160.7	214.3	110.4	14.6	11.4	24.4	6.5	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0
3	2542.2	290.6	185.1	100.6	56.8	24.4	22.7	1.6	4.9	9.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0
4	2441.6	379.9	254.9	118.5	50.3	27.6	39.0	4.9	3.2	4.9	1.6	1.6	0.0	0.0	0.0	0.0	0.0
5	2714.3	139.6	167.2	194.8	82.8	26.0	3.2	1.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	3100.6	443.2	240.3	188.3	48.7	84.4	19.5	0.0	4.9	6.5	1.6	1.6	0.0	0.0	0.0	0.0	0.0
MEAN	2600.1	316.3	204.8	141.8	67.6	48.7	21.6	8.7	6.8	3.5	1.4	1.1	0.0	0.0	0.0	0.0	0.0
SD	469.2	108.0	39.4	69.4	24.3	41.0	13.5	10.5	5.6	4.2	1.2	0.8	0.0	0.0	0.0	0.0	0.0
SE	191.6	44.1	16.1	28.3	9.9	16.8	5.5	4.3	2.3	1.7	0.5	0.3	0.0	0.0	0.0	0.0	0.0

Table 1 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 4 SEP 1980, 730 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	CILI	HARP	CNAU	WORM	EGGS	BIVA	TURB	ROTI	CUMA	ECTO	OSTR	HYDR	AMPH	NMRT	ECHL	EGCA
1	544	222	120	57	118	102	9	13	0	3	0	0	0	0	0	0	0
2	440	151	132	54	58	3	18	6	0	0	1	0	0	0	0	0	0
3	448	76	99	21	79	1	11	5	0	2	2	0	0	0	0	0	0
4	436	246	129	91	46	21	9	0	0	0	0	2	0	0	0	0	0
5	567	249	173	96	46	1	14	0	6	1	0	0	0	1	0	0	0
6	548	258	167	125	63	28	11	27	24	2	0	1	1	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	CILI	HARP	CNAU	WORM	EGGS	BIVA	TURB	ROTI	CUMA	ECTO	OSTR	HYDR	AMPH	NMRT	ECHL	EGCA
1	883.1	360.4	194.8	92.5	191.6	165.6	14.6	21.1	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	714.3	245.1	214.3	87.7	94.2	4.9	29.2	9.7	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0
3	727.3	123.4	160.7	34.1	128.2	1.6	17.9	8.1	0.0	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
4	707.8	399.4	209.4	147.7	74.7	34.1	14.6	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0
5	920.5	404.2	280.8	155.8	74.7	1.6	22.7	0.0	9.7	1.6	0.0	0.0	0.0	1.6	0.0	0.0	0.0
6	889.6	418.8	271.1	202.9	102.3	45.5	17.9	43.8	39.0	3.2	0.0	1.6	1.6	0.0	0.0	0.0	0.0
MEAN	807.1	325.2	221.9	120.1	110.9	42.2	19.5	13.8	8.1	2.2	0.8	0.8	0.3	0.3	0.0	0.0	0.0
SD	100.3	117.4	46.0	60.2	44.2	63.2	5.6	16.6	15.6	2.0	1.4	1.4	0.7	0.7	0.0	0.0	0.0
SE	40.9	47.9	18.8	24.6	18.1	25.8	2.3	6.8	6.4	0.8	0.6	0.6	0.3	0.3	0.0	0.0	0.0

Table 1 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 22 SEP 1980, 920 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	CILI	WORM	HARP	CNAU	BIVA	EGGS	ROTI	TURB	HYDR	CUMA	FORA	ECTO	PARA	MEDU	ISOP	EGCA
1	937	184	83	53	34	16	16	12	9	2	0	0	1	0	0	0	0
2	1121	241	119	49	35	22	4	1	0	0	0	0	0	0	0	0	0
3	979	233	41	73	95	16	6	7	3	0	2	1	0	0	0	0	0
4	1204	600	73	51	43	16	4	0	2	2	0	0	0	0	0	0	0
5	788	318	31	95	55	20	4	5	3	3	0	0	0	1	0	0	0
6	828	817	103	75	68	28	13	1	3	0	2	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	CILI	WORM	HARP	CNAU	BIVA	EGGS	ROTI	TURB	HYDR	CUMA	FORA	ECTO	PARA	MEDU	ISOP	EGCA
1	1521.1	298.7	134.7	86.0	55.2	26.0	26.0	19.5	14.6	3.2	0.0	0.0	1.6	0.0	0.0	0.0	0.0
2	1819.8	391.2	193.2	79.5	56.8	35.7	6.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	1589.3	378.2	66.6	118.5	154.2	26.0	9.7	11.4	4.9	0.0	3.2	1.6	0.0	0.0	0.0	0.0	0.0
4	1954.5	974.0	118.5	82.8	69.8	26.0	6.5	0.0	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	1279.2	516.2	50.3	154.2	89.3	32.5	6.5	8.1	4.9	4.9	0.0	0.0	0.0	1.6	0.0	0.0	0.0
6	1344.2	1326.3	167.2	121.8	110.4	45.5	21.1	1.6	4.9	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	1584.7	647.5	121.8	107.1	89.3	31.9	12.7	7.0	5.4	1.9	1.1	0.3	0.3	0.3	0.0	0.0	0.0
SD	263.6	411.0	55.7	29.5	38.1	7.8	8.6	7.5	4.9	2.2	1.7	0.7	0.7	0.7	0.0	0.0	0.0
SE	107.6	167.8	22.7	12.1	15.6	3.2	3.5	3.1	2.0	0.9	0.7	0.3	0.3	0.3	0.0	0.0	0.0

Table 1 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 30 OCT 1980, 355 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	CILI	NEMA	CNAU	HARP	WORM	BIVA	EGGS	TURB	OSTR	HYDR	FORA	CUMA	CALA	MYSI	FISH	ISOP	EGCA
1	760	402	274	126	58	15	13	2	2	0	1	0	0	0	0	0	0
2	882	438	154	101	44	13	4	3	0	0	0	0	0	0	0	0	0
3	559	506	185	97	76	14	7	3	0	1	0	1	0	0	0	0	0
4	352	1058	308	178	115	17	5	2	1	2	1	0	1	0	0	0	0
5	601	355	200	237	70	18	2	3	0	0	0	0	0	0	0	0	0
6	632	329	217	72	27	7	8	0	1	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	CILI	NEMA	CNAU	HARP	WORM	BIVA	EGGS	TURB	OSTR	HYDR	FORA	CUMA	CALA	MYSI	FISH	ISOP	EGCA
1	1233.8	652.6	444.8	204.5	94.2	24.4	21.1	3.2	3.2	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0
2	1431.8	711.0	250.0	164.0	71.4	21.1	6.5	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	907.5	821.4	300.3	157.5	123.4	22.7	11.4	4.9	0.0	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0
4	571.4	1717.5	500.0	289.0	186.7	27.6	8.1	3.2	1.6	3.2	1.6	0.0	1.6	0.0	0.0	0.0	0.0
5	975.6	576.3	324.7	384.7	113.6	29.2	3.2	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	1026.0	534.1	352.3	116.9	43.8	11.4	13.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	1024.4	835.5	362.0	219.4	105.5	22.7	10.6	3.5	1.1	0.8	0.5	0.3	0.3	0.0	0.0	0.0	0.0
SD	293.6	443.9	93.5	99.8	49.1	6.3	6.2	1.9	1.3	1.4	0.8	0.7	0.7	0.0	0.0	0.0	0.0
SE	119.9	181.2	38.2	40.7	20.1	2.6	2.5	0.8	0.5	0.6	0.3	0.3	0.3	0.0	0.0	0.0	0.0

Table 1 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 18 NOV 1980, 700 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	WORM	NEMA	HARP	CILI	CNAU	EGGS	TURB	BIVA	HYDR	FORA	INSE	ACAR	OSTR	ECHL	TARD	FISH	EGCA
1	189	135	80	33	8	12	0	4	0	2	1	0	0	0	0	0	0
2	544	163	61	14	9	7	4	3	1	0	1	0	1	0	0	0	0
3	327	167	50	23	10	10	0	2	0	0	0	1	0	0	0	0	0
4	428	166	44	28	16	11	4	1	0	0	0	0	0	0	0	0	0
5	759	115	35	10	8	4	18	2	1	0	0	0	0	0	0	0	0
6	131	72	35	18	11	6	4	4	1	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	WORM	NEMA	HARP	CILI	CNAU	EGGS	TURB	BIVA	HYDR	FORA	INSE	ACAR	OSTR	ECHL	TARD	FISH	EGCA
1	306.8	219.2	129.9	53.6	13.0	19.5	0.0	6.5	0.0	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0
2	883.1	264.6	99.0	22.7	14.6	11.4	6.5	4.9	1.6	0.0	1.6	0.0	1.6	0.0	0.0	0.0	0.0
3	530.8	271.1	81.2	37.3	16.2	16.2	0.0	3.2	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0
4	694.8	269.5	71.4	45.5	26.0	17.9	6.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0 0	0.0
5	1232.1	186.7	56.8	16.2	13.0	6.5	29.2	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	212.7	116.9	56.8	29.2	17.9	9.7	6.5	6.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	643.4	221.3	82.5	34.1	16.8	13.5	8.1	4.3	0.8	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0
SD	379.0	61.3	28.1	14.1	4.9	5.1	10.8	2.0	0.9	1.3	0.8	0.7	0.7	0.0	0.0	0.0	0.0
SE	154.7	25.0	11.5	5.7	2.0	2.1	4.4	0.8	0.4	0.5	0.3	0.3	0.3	0.0	0.0	0.0	0.0

Table 1 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: MAJOR CATEGORIES

DATE 11 DEC 1980, 45 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	CILI	HARP	WORM	EGGS	BIVA	CNAU	TURB	FORA	ECTO	CUMA	DECA	ECHL	MYSI	MEDU	ISOP	EGCA
1	495	104	41	36	24	11	7	1	0	1	0	0	0	0	0	0	0
2	225	94	27	9	40	11	9	6	1	0	1	0	0	0	0	0	0
3	198	83	22	9	4	8	2	2	1	0	0	0	0	0	0	0	0
4	316	82	11	48	5	9	1	1	0	0	1	0	0	0	0	0	0
5	192	82	28	21	16	6	10	0	0	1	0	0	0	0	0	0	0
6	153	56	20	18	5	5	4	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	CILI	HARP	WORM	EGGS	BIVA	CNAU	TURB	FORA	ECTO	CUMA	DECA	ECHL	MYSI	MEDU	ISOP	EGCA
1	803.6	168.8	66.6	58.4	39.0	17.9	11.4	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	365.3	152.6	43.8	14.6	64.9	17.9	14.6	9.7	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0
3	321.4	134.7	35.7	14.6	6.5	13.0	3.2	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	513.0	133.1	17.9	77.9	8.1	14.6	1.6	1.6	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0
5	311.7	133.1	45.5	34.1	26.0	9.7	16.2	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	248.4	90.9	32.5	29.2	8.1	8.1	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	427.2	135.6	40.3	38.1	25.4	13.5	8.9	2.7	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
SD	204.6	26.1	16.2	25.3	23.2	4.1	6.1	3.7	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
SE	83.5	10.7	6.6	10.3	9.5	1.7	2.5	1.5	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0

Table 1 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: MAJOR CATEGORIES

DATE 20 JAN 1981, 2335 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	CILI	WORM	EGGS	HARP	CNAU	TURB	BIVA	FORA	ROTI	ECTO	OSTR	DECA	ECHL	TARD	ISOP	EGCA
1	329	95	29	21	25	13	25	4	4	0	1	0	0	0	0	0	0
2	190	88	15	17	27	13	5	9	1	0	0	0	0	0	0	0	0
3	430	127	32	21	29	14	2	7	0	2	0	0	0	0	0	0	0
4	278	80	18	19	28	22	2	6	1	0	0	1	0	0	0	0	0
5	212	57	69	18	24	7	7	1	0	1	0	0	0	0	0	0	0
6	144	22	41	44	1	1	1	0	0	1	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	CILI	WORM	EGGS	HARP	CNAU	TURB	BIVA	FORA	ROTI	ECTO	OSTR	DECA	ECHL	TARD	ISOP	EGCA
1	534.1	154.2	47.1	34.1	40.6	21.1	40.6	6.5	6.5	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0
2	308.4	142.9	24.4	27.6	43.8	21.1	8.1	14.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	698.1	206.2	51.9	34.1	47.1	22.7	3.2	11.4	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	451.3	129.9	29.2	30.8	45.5	35.7	3.2	9.7	1.6	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0
5	344.2	92.5	112.0	29.2	39.0	11.4	11.4	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	233.8	35.7	66.6	71.4	1.6	1.6	1.6	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	428.3	126.9	55.2	37.9	36.3	18.9	11.4	7.3	1.6	1.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0
SD	169.6	57.9	31.8	16.6	17.2	11.5	14.8	5.7	2.5	1.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0
SE	69.2	23.7	13.0	6.8	7.0	4.7	6.0	2.3	1.0	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0

Table 1 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 3 MAR 1981, 2140 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	CILI	CNAU	WORM	HARP	EGGS	BIVA	ECTO	TURB	CUMA	HYDR	NMRT	ECHL	MYSI	MEDU	ISOP	EGCA
1	330	110	34	69	19	1	4	1	0	2	0	0	0	0	0	0	0
2	240	131	46	19	23	5	2	0	0	0	0	0	0	0	0	0	0
3	412	181	15	26	13	11	0	1	2	0	0	0	0	0	0	0	0
4	248	132	117	2	11	6	0	2	0	0	0	0	0	0	0	0	0
5	297	138	85	13	19	3	1	1	1	0	1	0	0	0	0	0	0
6	231	265	151	3	10	65	1	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	CILI	CNAU	WORM	HARP	EGGS	BIVA	ECTO	TURB	CUMA	HYDR	NMRT	ECHL	MYSI	MEDU	ISOP	EGCA
1	535.7	178.6	55.2	112.0	30.8	1.6	6.5	1.6	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	389.6	212.7	74.7	30.8	37.3	8.1	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	668.8	293.8	24.4	42.2	21.1	17.9	0.0	1.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	402.6	214.3	189.9	3.2	17.9	9.7	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	482.1	224.0	138.0	21.1	30.8	4.9	1.6	1.6	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0
6	375.0	430.2	245.1	4.9	16.2	105.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	475.6	258.9	121.2	35.7	25.7	24.6	2.2	1.4	0.8	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0
SD	113.0	92.0	85.2	40.3	8.5	40.0	2.4	1.2	1.4	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
SE	46.1	37.6	34.8	16.4	3.5	16.3	1.0	0.5	0.6	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0

Table 1 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: MAJOR CATEGORIES

DATE 8 APR 1981, 1400 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	CILI	NEMA	CNAU	HARP	WORM	EGGS	BIVA	FORA	TURB	ECTO	OSTR	HYDR	CALA	MYSI	TARD	ISOP	EGCA
1	140	68	15	5	9	5	1	0	0	0	0	0	1	0	0	0	0
2	149	126	19	21	3	3	1	1	2	0	0	1	0	0	0	0	0
3	172	68	16	11	2	5	0	0	0	0	0	0	0	0	0	0	0
4	255	101	15	7	1	3	0	1	0	0	0	0	0	0	0	0	0
5	280	104	13	10	21	3	1	1	0	0	0	0	0	0	0	0	0
6	136	126	10	3	4	9	2	0	1	2	1	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	CILI	NEMA	CNAU	HARP	WORM	EGGS	BIVA	FORA	TURB	ECTO	OSTR	HYDR	CALA	MYSI	TARD	ISOP	EGCA
1	227.3	110.4	24.4	8.1	14.6	8.1	1.6	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0
2	241.9	204.5	30.8	34.1	4.9	4.9	1.6	1.6	3.2	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0
3	279.2	110.4	26.0	17.9	3.2	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	414.0	164.0	24.4	11.4	1.6	4.9	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	454.5	168.8	21.1	16.2	34.1	4.9	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	220.8	204.5	16.2	4.9	6.5	14.6	3.2	0.0	1.6	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	306.3	160.4	23.8	15.4	10.8	7.6	1.4	0.8	0.8	0.5	0.3	0.3	0.3	0.0	0.0	0.0	0.0
SD	102.0	42.4	4.9	10.4	12.3	3.8	1.2	0.9	1.4	1.3	0.7	0.7	0.7	0.0	0.0	0.0	0.0
SE	41.6	17.3	2.0	4.2	5.0	1.5	0.5	0.4	0.6	0.5	0.3	0.3	0.3	0.0	0.0	0.0	0.0

Table 1 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 7 MAY 1981, 1245 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	CILI	NEMA	HARP	CNAU	WORM	EGGS	TURB	BIVA	ECTO	CUMA	NMRT	DECA	ECHL	MYSI	MEDU	ISOP	EGCA
1	337	144	135	38	13	7	7	1	0	1	0	0	0	0	0	0	0
2	783	164	124	26	3	5	10	2	0	2	0	0	0	0	0	0	0
3	385	310	96	18	21	13	0	1	3	0	0	0	0	0	0	0	0
4	302	237	79	28	18	13	3	4	0	0	0	0	0	0	0	0	0
5	285	135	73	32	6	13	2	2	0	0	0	0	0	0	0	0	0
6	215	383	174	55	30	31	3	2	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	CILI	NEMA	HARP	CNAU	WORM	EGGS	TURB	BIVA	ECTO	CUMA	NMRT	DECA	ECHL	MYSI	MEDU	ISOP	EGCA
1	547.1	233.8	219.2	61.7	21.1	11.4	11.4	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1271.1	266.2	201.3	42.2	4.9	8.1	16.2	3.2	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	625.0	503.2	155.8	29.2	34.1	21.1	0.0	1.6	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	490.3	384.7	128.2	45.5	29.2	21.1	4.9	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	462.7	219.2	118.5	51.9	9.7	21.1	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	349.0	621.8	282.5	89.3	48.7	50.3	4.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	624.2	371.5	184.3	53.3	24.6	22.2	6.8	3.2	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	329.9	163.4	62.3	20.6	16.2	14.9	5.9	1.8	2.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	134.7	66.7	25.4	8.4	6.6	6.1	2.4	0.7	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 1 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 3 JUN 1981, 1230 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	CNAU	HARP	NEMA	CILI	WORM	EGGS	HYDR	TURB	BIVA	ECTO	AMPH	ROTI	FORA	OSTR	ECHL	ISOP	EGCA
1	168	152	55	30	24	15	0	1	5	1	1	1	0	1	0	0	0
2	159	138	112	21	48	12	0	3	3	1	0	0	0	0	0	0	0
3	76	101	84	61	22	8	0	3	0	1	0	1	0	0	0	0	0
4	98	63	42	53	8	11	4	2	0	1	0	0	0	0	0	0	0
5	96	149	119	54	36	12	17	3	1	2	0	0	1	0	0	0	0
6	163	148	92	45	32	18	4	5	0	0	1	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	CNAU	HARP	NEMA	CILI	WORM	EGGS	HYDR	TURB	BIVA	ECTO	AMPH	ROTI	FORA	OSTR	ECHL	ISOP	EGCA
1	272.7	246.8	89.3	48.7	39.0	24.4	0.0	1.6	8.1	1.6	1.6	1.6	0.0	1.6	0.0	0.0	0.0
2	258.1	224.0	181.8	34.1	77.9	19.5	0.0	4.9	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	123.4	164.0	136.4	99.0	35.7	13.0	0.0	4.9	0.0	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0
4	159.1	102.3	68.2	86.0	13.0	17.9	6.5	3.2	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	155.8	241.9	193.2	87.7	58.4	19.5	27.6	4.9	1.6	3.2	0.0	0.0	1.6	0.0	0.0	0.0	0.0
6	264.6	240.3	149.4	73.1	51.9	29.2	6.5	8.1	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	205.6	203.2	136.4	71.4	46.0	20.6	6.8	4.6	2.4	1.6	0.5	0.5	0.3	0.3	0.0	0.0	0.0
SD	66.6	58.2	49.7	25.1	22.2	5.6	10.7	2.2	3.4	1.0	0.8	0.8	0.7	0.7	0.0	0.0	0.0
SE	27.2	23.8	20.3	10.3	9.0	2.3	4.4	0.9	1.4	0.4	0.3	0.3	0.3	0.3	0.0	0.0	0.0

TABLE 2

FRASER FORESHORE; CORE SAMPLES

MAJOR CATEGORIES

STATION 2 (STEVESTON)

METOTAB1: FRASER FORESHORE STUDY: CORE SAMPLES: MAJOR CATEGORIES

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
HARP	HARPACTICOID COPEPODS
CALA	CALANOID COPEPODS
CNAU	COPEPOD NAUPLII
NEMA	NEMATODES
WORM	WORMS
AMPH	AMPHIPODS
EGGS	UNIDENTIFIED EGGS
BIVA	BIVALVES
FORA	FORAMS
ECTO	ECTOPROCTS
CUMA	CUMACEANS
GEGG	GASTROPOD EGGS
OSTR	OSTRACODS
BCYP	BARNACLE CYPRIS
BARN	BARNACLE
CMEG	CRAB MEGALOPS
HYDR	HYDROIDS
COYP	COLONIAL POLYP
PTER	PTEROPOD
ACAR	ACARINA
GAST	GASTROPODS
ROTI	ROTIFER
INSE	INSECT
TUNI	TUNICATES
BNAU	BARNACLE NAUPLII
EGCA	UNIDENTIFIED EGG CASE
ISOP	ISOPODS

Table 2 (cont'd)

MEDU = MEDUSAE

MYSI = MYSIDS

CLAD = CLADOCERANS

DECA = DECAPODS

CYCL = CYCLOPOID COPEPODS

ECHL = ECHINODERM LARVAE

PARA = PARASITIC COPEPODS

ECHD = ECHINODERMS

CRZO = CRAB ZOEA

CILI = CILIATES

LVIN = LARVAL INSECTS

TURB = TURBELLARIAN

NMRT = NEMERTINES

FISH = FISH

TARD = TARDIGRADA

Table 2 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 15 APR 1980, 1130 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	HARP	OSTR	WORM	CNAU	CUMA	INSE	EGGS	ACAR	BIVA	ECHL	NMRT	CILI	MYSI	DECA	FISH	EGCA
1	19	7	0	0	3	1	1	0	0	0	0	0	0	0	0	0	0
2	11	17	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
3	116	14	8	7	2	1	0	0	0	0	0	0	0	0	0	0	0
4	4	16	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
5	243	16	19	8	5	0	0	1	0	1	0	0	0	0	0	0	0
6	36	15	0	3	3	2	0	0	1	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	HARP	OSTR	WORM	CNAU	CUMA	INSE	EGGS	ACAR	BIVA	ECHL	NMRT	CILI	MYSI	DECA	FISH	EGCA
1	30.8	11.4	0.0	0.0	4.9	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	17.9	27.6	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	188.3	22.7	13.0	11.4	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	6.5	26.0	0.0	4.9	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
5	394.5	26.0	30.8	13.0	8.1	0.0	0.0	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	58.4	24.4	0.0	4.9	4.9	3.2	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	116.1	23.0	7.6	5.7	3.8	1.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	151.6	5.9	12.5	5.5	2.8	1.3	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	61.9	2.4	5.1	2.2	1.2	0.5	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 2 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 15 MAY 1980, 1100 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	CNAU	HARP	OSTR	WORM	EGGS	NMRT	CILI	FISH	ECHL	TURB	DECA	CLAD	MYSI	TARD	ISOP	EGCA
1	15	7	10	5	0	0	0	0	0	0	0	0	0	0	0	0	0
2	41	10	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0
3	41	7	5	1	0	1	0	0	0	0	0	0	0	0	0	0	0
4	39	10	6	2	0	1	0	0	0	0	0	0	0	0	0	0	0
5	63	6	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6	34	23	18	11	4	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	CNAU	HARP	OSTR	WORM	EGGS	NMRT	CILI	FISH	ECHL	TURB	DECA	CLAD	MYSI	TARD	ISOP	EGCA
1	24.4	11.4	16.2	8.1	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
2	66.6	16.2	1.6	1.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	66.6	11.4	8.1	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	63.3	16.2	9.7	3.2	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	102.3	9.7	11.4	1.6	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
6	55.2	37.3	29.2	17.9	6.5	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	63.0	17.0	12.7	5.7	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	25.0	10.3	9.4	6.5	2.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	10.2	4.2	3.8	2.6	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 2 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 27 JUN 1980, 1050 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	CNAU	HARP	NEMA	OSTR	WORM	GEGG	CUMA	BIVA	NMRT	ECHL	LVIN	CILI	CLAD	MYSI	DECA	FISH	EGCA
1	419	142	35	5	5	0	1	0	0	0	0	0	0	0	0	0	0
2	132	32	10	8	0	1	0	0	0	0	0	0	0	0	0	0	0
3	97	18	6	10	0	0	0	0	0	0	0	0	0	0	0	0	0
4	223	27	12	24	2	0	0	1	0	0	0	0	0	0	0	0	0
5	142	71	21	20	1	0	0	0	0	0	0	0	0	0	0	0	0
6	104	8	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	CNAU	HARP	NEMA	OSTR	WORM	GEGG	CUMA	BIVA	NMRT	ECHL	LVIN	CILI	CLAD	MYSI	DECA	FISH	EGCA
1	680.2	230.5	56.8	8.1	8.1	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	214.3	51.9	16.2	13.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	157.5	29.2	9.7	16.2	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
4	362.0	43.8	19.5	39.0	3.2	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	230.5	115.3	34.1	32.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	168.8	13.0	3.2	4.9	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
MEAN	302.2	80.6	23.3	18.9	2.2	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	199.0	81.3	19.4	13.7	3.2	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	81.3	33.2	7.9	5.6	1.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 2 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 6 SEP 1980, 920 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	HARP	CNAU	WORM	OSTR	AMPH	CUMA	LVIN	NMRT	ECHL	TURB	FISH	CLAD	MYSI	DECA	ISOP	EGCA
1	287	338	129	68	4	0	1	0	0	0	0	0	0	0	0	0	0
2	188	250	252	27	5	0	0	0	0	0	0	0	0	0	0	0	0
3	374	317	265	42	0	0	0	0	0	0	0	0	0	0	0	0	0
4	184	330	72	20	4	0	0	0	0	0	0	0	0	0	0	0	0
5	370	106	184	55	2	1	0	0	0	0	0	0	0	0	0	0	0
6	192	165	99	16	2	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	HARP	CNAU	WORM	OSTR	AMPH	CUMA	LVIN	NMRT	ECHL	TURB	FISH	CLAD	MYSI	DECA	ISOP	EGCA
1	465.9	548.7	209.4	110.4	6.5	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	305.2	405.8	409.1	43.8	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	607.1	514.6	430.2	68.2	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
4	298.7	535.7	116.9	32.5	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	600.6	172.1	298.7	89.3	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	311.7	267.9	160.7	26.0	3.2	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	431.5	407.5	270.8	61.7	4.6	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	147.4	156.7	130.3	33.5	3.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	60.2	64.0	53.2	13.7	1.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 2 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: MAJDR CATEGORIES

DATE 23 SEP 1980, 1010 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	HARP	CNAU	NEMA	ROTI	WORM	OSTR	NMRT	LVIN	FISH	ECHL	TURB	DECA	CLAD	MYSI	TARD	ISOP	EGCA
1	31	124	26	0	18	6	0	0	0	0	0	0	0	0	0	0	0
2	88	97	84	20	9	3	0	0	0	0	0	0	0	0	0	0	0
3	56	158	58	46	22	11	0	0	0	0	0	0	0	0	0	0	0
4	30	57	17	27	4	7	0	0	0	0	0	0	0	0	0	0	0
5	434	115	110	3	27	2	0	0	0	0	0	0	0	0	0	0	0
6	198	81	58	22	26	4	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	HARP	CNAU	NEMA	ROTI	WORM	OSTR	NMRT	LVIN	FISH	ECHL	TURB	DECA	CLAD	MYSI	TARD	ISOP	EGCA
1	50.3	201.3	42.2	0.0	29.2	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	142.9	157.5	136.4	32.5	14.6	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	90.9	256.5	94.2	74.7	35.7	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	48.7	92.5	27.6	43.8	6.5	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	704.5	186.7	178.6	4.9	43.8	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	321.4	131.5	94.2	35.7	42.2	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	226.5	171.0	95.5	31.9	28.7	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	255.2	57.2	56.6	27.3	15.2	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	104.2	23.4	23.1	11.2	6.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 2 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 29 OCT 1980, 205 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	HARP	NEMA	CNAU	WORM	ROTI	OSTR	BIVA	NMRT	FISH	ECHL	LVIN	DECA	CLAD	MYSI	TARD	ISOP	EGCA
1	35	22	22	6	14	2	0	0	0	0	0	0	0	0	0	0	0
2	48	41	35	22	16	6	1	0	0	0	0	0	0	0	0	0	0
3	32	21	16	13	0	5	0	0	0	0	0	0	0	0	0	0	0
4	42	30	17	27	0	4	0	0	0	0	0	0	0	0	0	0	0
5	35	43	30	34	5	11	0	0	0	0	0	0	0	0	0	0	0
6	62	19	17	13	7	10	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	HARP	NEMA	CNAU	WORM	ROTI	OSTR	BIVA	NMRT	FISH	ECHL	LVIN	DECA	CLAD	MYSI	TARD	ISOP	EGCA
1	56.8	35.7	35.7	9.7	22.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	77.9	66.6	56.8	35.7	26.0	9.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	51.9	34.1	26.0	21.1	0.0	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	68.2	48.7	27.6	43.8	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	56.8	69.8	48.7	55.2	8.1	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	100.6	30.8	27.6	21.1	11.4	16.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	68.7	47.6	37.1	31.1	11.4	10.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	18.3	17.1	12.9	16.9	11.1	5.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	7.5	7.0	5.3	6.9	4.5	2.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 2 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: MAJOR CATEGORIES

DATE 10 DEC 1980, 115 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	HARP	CNAU	OSTR	WORM	FORA	ROTI	EGGS	AMPH	FISH	ECHL	DECA	CLAD	TURB	TARD	ISOP	EGCA
1	8	12	6	10	1	0	0	0	0	0	0	0	0	0	0	0	0
2	40	11	15	13	8	3	0	0	1	0	0	0	0	0	0	0	0
3	19	12	18	7	1	0	0	0	0	0	0	0	0	0	0	0	0
4	17	10	10	16	1	0	3	2	0	0	0	0	0	0	0	0	0
5	17	7	7	2	0	4	0	0	0	0	0	0	0	0	0	0	0
6	20	22	17	11	8	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	HARP	CNAU	OSTR	WORM	FORA	ROTI	EGGS	AMPH	FISH	ECHL	DECA	CLAD	TURB	TARD	ISOP	EGCA
1	13.0	19.5	9.7	16.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	64.9	17.9	24.4	21.1	13.0	4.9	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	30.8	19.5	29.2	11.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	27.6	16.2	16.2	26.0	1.6	0.0	4.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	27.6	11.4	11.4	3.2	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	32.5	35.7	27.6	17.9	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	32.7	20.0	19.8	16.0	5.1	1.9	0.8	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	17.2	8.3	8.4	7.9	6.1	3.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	7.0	3.4	3.4	3.2	2.5	1.2	0.8	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 2 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 19 JAN 1981, 2255 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	CNAU	HARP	WORM	OSTR	EGGS	AMPH	TUNI	ROTI	NMRT	FISH	ECHL	DECA	CLAD	TARD	ISOP	EGCA
1	2	0	3	1	1	3	0	0	0	0	0	0	0	0	0	0	0
2	20	17	14	2	1	1	0	1	0	0	0	0	0	0	0	0	0
3	12	0	6	0	2	0	1	0	0	0	0	0	0	0	0	0	0
4	14	32	20	3	0	0	0	0	0	0	0	0	0	0	0	0	0
5	10	10	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0
6	7	1	5	0	2	1	0	0	1	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	CNAU	HARP	WORM	OSTR	EGGS	AMPH	TUNI	ROTI	NMRT	FISH	ECHL	DECA	CLAD	TARD	ISOP	EGCA
1	3.2	0.0	4.9	1.6	1.6	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	32.5	27.6	22.7	3.2	1.6	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	19.5	0.0	9.7	0.0	3.2	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	22.7	51.9	32.5	4.9	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
5	16.2	16.2	16.2	4.9	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
6	11.4	1.6	8.1	0.0	3.2	1.6	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	17.6	16.2	15.7	2.4	1.6	1.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	10.0	20.7	10.4	2.2	1.5	1.9	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	4.1	8.5	4.2	0.9	0.6	0.8	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 2 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: MAJOR CATEGORIES

DATE 17 FEB 1981, 2300 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	CNAU	HARP	EGGS	TURB	OSTR	CILI	WORM	ROTI	BIVA	NMRT	FISH	DECA	ECHL	TARD	ISOP	EGCA
1	55	23	25	16	5	1	0	1	1	0	0	0	0	0	0	0	0
2	103	58	36	16	4	10	4	0	2	0	0	0	0	0	0	0	0
3	57	36	5	7	4	4	3	3	2	0	0	0	0	0	0	0	0
4	105	49	18	6	7	3	5	1	0	0	0	0	0	0	0	0	0
5	144	55	10	14	7	6	7	4	3	1	0	0	0	0	0	0	0
6	118	73	23	12	6	3	3	6	1	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	CNAU	HARP	EGGS	TURB	OSTR	CILI	WORM	ROTI	BIVA	NMRT	FISH	DECA	ECHL	TARD	ISOP	EGCA
1	89.3	37.3	40.6	26.0	8.1	1.6	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	167.2	94.2	58.4	26.0	6.5	16.2	6.5	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	92.5	58.4	8.1	11.4	6.5	6.5	4.9	4.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	170.5	79.5	29.2	9.7	11.4	4.9	8.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	233.8	89.3	16.2	22.7	11.4	9.7	11.4	6.5	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	191.6	118.5	37.3	19.5	9.7	4.9	4.9	9.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	157.5	79.5	31.7	19.2	8.9	7.3	6.0	4.1	2.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	56.8	28.5	18.0	7.1	2.2	5.1	3.8	3.7	1.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	23.2	11.6	7.4	2.9	0.9	2.1	1.5	1.5	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 2 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 4 MAR 1981, 2225 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	CNAU	HARP	NEMA	EGGS	ROTI	TURB	OSTR	WORM	CILI	NMRT	FISH	ECHL	DECA	CLAD	TARD	ISOP	EGCA
1	20	21	5	18	2	1	0	0	0	0	0	0	0	0	0	0	0
2	41	34	32	20	5	2	0	0	0	0	0	0	0	0	0	0	0
3	28	24	13	14	2	1	0	0	0	0	0	0	0	0	0	0	0
4	51	16	56	24	8	2	4	0	1	0	0	0	0	0	0	0	0
5	71	13	20	23	0	3	1	0	0	0	0	0	0	0	0	0	0
6	24	58	39	15	3	4	2	3	2	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	CNAU	HARP	NEMA	EGGS	ROTI	TURB	OSTR	WORM	CILI	NMRT	FISH	ECHL	DECA	CLAD	TARD	ISOP	EGCA
1	32.5	34.1	8.1	29.2	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	66.6	55.2	51.9	32.5	8.1	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	45.5	39.0	21.1	22.7	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	82.8	26.0	90.9	39.0	13.0	3.2	6.5	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	115.3	21.1	32.5	37.3	0.0	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	39.0	94.2	63.3	24.4	4.9	6.5	3.2	4.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	63.6	44.9	44.6	30.8	5.4	3.5	1.9	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	31.5	26.9	30.3	6.7	4.6	1.9	2.6	2.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	12.8	11.0	12.4	2.7	1.9	0.8	1.1	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 2 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 5 MAY 1981, 1300 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	CNAU	NEMA	HARP	TURB	CILI	EGGS	ROTI	WORM	OSTR	BIVA	NMRT	FISH	DECA	ECHL	TARD	ISOP	EGCA
1	140	174	58	11	19	18	13	9	5	1	0	0	0	0	0	0	0
2	158	130	57	13	17	12	11	6	3	0	0	0	0	0	0	0	0
3	188	107	21	13	8	6	10	11	7	0	0	0	0	0	0	0	0
4	199	90	22	19	6	11	15	8	3	0	0	0	0	0	0	0	0
5	174	122	64	8	15	11	3	6	5	0	0	0	0	0	0	0	0
6	185	51	52	8	5	8	12	3	6	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	CNAU	NEMA	HARP	TURB	CILI	EGGS	ROTI	WORM	OSTR	BIVA	NMRT	FISH	DECA	ECHL	TARD	ISOP	EGCA
1	227.3	282.5	94.2	17.9	30.8	29.2	21.1	14.6	8.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	256.5	211.0	92.5	21.1	27.6	19.5	17.9	9.7	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	305.2	173.7	34.1	21.1	13.0	9.7	16.2	17.9	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	323.1	146.1	35.7	30.8	9.7	17.9	24.4	13.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	282.5	198.1	103.9	13.0	24.4	17.9	4.9	9.7	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	300.3	82.8	84.4	13.0	8.1	13.0	19.5	4.9	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	282.5	182.4	74.1	19.5	18.9	17.9	17.3	11.6	7.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	35.2	66.9	31.0	6.7	9.8	6.7	6.7	4.5	2.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	14.4	27.3	12.7	2.7	4.0	2.7	2.7	1.8	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 2 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 2 JUN 1981, 1050 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	CNAU	HARP	EGGS	CILI	OSTR	WORM	NMRT	FISH	ECHL	TURB	DECA	CLAD	MYSI	TARD	ISOP	EGCA
1	9	21	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0
2	24	19	2	0	2	2	1	0	0	0	0	0	0	0	0	0	0
3	11	17	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0
4	26	21	4	3	3	1	0	0	0	0	0	0	0	0	0	0	0
5	27	12	4	1	2	0	0	0	0	0	0	0	0	0	0	0	0
6	40	26	12	4	3	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	CNAU	HARP	EGGS	CILI	OSTR	WORM	NMRT	FISH	ECHL	TURB	DECA	CLAD	MYSI	TARD	ISOP	EGCA
1	14.6	34.1	1.6	3.2	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	39.0	30.8	3.2	0.0	3.2	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	17.9	27.6	3.2	3.2	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	42.2	34.1	6.5	4.9	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	43.8	19.5	6.5	1.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	64.9	42.2	19.5	6.5	4.9	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	37.1	31.4	6.8	3.2	2.7	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	18.6	7.6	6.5	2.3	2.2	1.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	7.6	3.1	2.7	0.9	0.9	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 3

FRASER FORESHORE; CORE SAMPLES

MAJOR CATEGORIES

STATION 3 (ROBERTS BANK)

MEIOTAB1: FRASER FORESHORE STUDY: CORE SAMPLES: MAJOR CATEGORIES

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
HARP	HARPACTICOID COPEPODS
CALA	CALANOID COPEPODS
CNAU	COPEPOD NAUPLII
NEMA	NEMATODES
WORM	WORMS
AMPH	AMPHIPODS
EGGS	UNIDENTIFIED EGGS
BIVA	BIVALVES
FORA	FORAMS
ECTO	ECTOPROCTS
CUMA	CUMACEANS
GEGG	GASTROPOD EGGS
OSTR	OSTRACODS
BCYP	BARNACLE CYPRIS
BARN	BARNACLE
CMEG	CRAB MEGALOPS
HYDR	HYDROIDS
COYP	COLONIAL POLYP
PTER	PTEROPOD
ACAR	ACARINA
GAST	GASTROPODS
ROTI	ROTIFER
INSE	INSECT
TUNI	TUNICATES
BNAU	BARNACLE NAUPLII
EGCA	UNIDENTIFIED EGG CASE
ISOP	ISOPODS

Table 3 (cont'd)

MEDU = MEDUSAE

MYSI = MYSIDS

CLAD = CLADOCERANS

DECA = DECAPODS

CYCL = CYCLOPOID COPEPODS

ECHL = ECHINODERM LARVAE

PARA = PARASITIC COPEPODS

ECHD = ECHINODERMS

CRZO = CRAB ZOEA

CILI = CILIATES

LVIN = LARVAL INSECTS

TURB = TURBELLARIAN

NMRT = NEMERTINES

FISH = FISH

TARD = TARDIGRADA

Table 3 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 16 APR 1980, 1225 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	CNAU	HARP	WORM	EGGS	AMPH	FORA	BIVA	GEGG	ECTO	ECHL	DECA	CLAD	MYSI	MEDU	TARD	EGCA
1	112	59	60	57	38	1	5	4	0	0	0	0	0	0	0	0	0
2	86	61	47	32	0	35	2	1	0	1	0	0	0	0	0	0	0
3	105	54	29	30	12	0	7	3	2	1	0	0	0	0	0	0	0
4	198	41	58	36	7	0	5	5	0	0	0	0	0	0	0	0	0
5	114	64	48	43	9	0	5	2	1	0	0	0	0	0	0	0	0
6	85	56	58	75	6	0	4	2	1	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	CNAU	HARP	WORM	EGGS	AMPH	FORA	BIVA	GEGG	ECTO	ECHL	DECA	CLAD	MYSI	MEDU	TARD	EGCA
1	181.8	95.8	97.4	92.5	61.7	1.6	8.1	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	139.6	99.0	76.3	51.9	0.0	56.8	3.2	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	170.5	87.7	47.1	48.7	19.5	0.0	11.4	4.9	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	321.4	66.6	94.2	58.4	11.4	0.0	8.1	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	185.1	103.9	77.9	69.8	14.6	0.0	8.1	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	138.0	90.9	94.2	121.8	9.7	0.0	6.5	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	189.4	90.6	81.2	73.9	19.5	9.7	7.6	4.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	67.8	13.1	19.0	28.3	21.7	23.1	2.7	2.4	1.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	27.7	5.4	7.7	11.6	8.8	9.4	1.1	1.0	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 14 MAY 1980, 1110 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	CNAU	HARP	NEMA	WORM	AMPH	EGGS	ECTO	GEGG	OSTR	CUMA	FORA	BIVA	BCYP	BARN	CMEG	ECHL	EGCA
1	591	185	192	30	5	11	1	0	3	2	0	0	0	0	0	0	0
2	294	161	147	68	15	0	2	1	0	7	3	1	0	0	0	0	0
3	389	143	260	25	12	4	1	6	1	0	0	0	1	0	0	0	0
4	299	123	94	26	22	34	8	6	6	1	0	3	0	0	0	0	0
5	610	229	113	23	10	28	13	7	4	1	4	3	1	0	1	0	0
6	222	221	140	35	26	9	8	3	4	3	6	5	0	1	0	0	0

NUMBERS PER 10.00 SQ CM

REP	CNAU	HARP	NEMA	WORM	AMPH	EGGS	ECTO	GEGG	OSTR	CUMA	FORA	BIVA	BCYP	BARN	CMEG	ECHL	EGCA
1	959.4	300.3	311.7	48.7	8.1	17.9	1.6	0.0	4.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	477.3	261.4	238.6	110.4	24.4	0.0	3.2	1.6	0.0	11.4	4.9	1.6	0.0	0.0	0.0	0.0	0.0
3	631.5	232.1	422.1	40.6	19.5	6.5	1.6	9.7	1.6	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0
4	485.4	199.7	152.6	42.2	35.7	55.2	13.0	9.7	9.7	1.6	0.0	4.9	0.0	0.0	0.0	0.0	0.0
5	990.3	371.8	183.4	37.3	16.2	45.5	21.1	11.4	6.5	1.6	6.5	4.9	1.6	0.0	1.6	0.0	0.0
6	360.4	358.8	227.3	56.8	42.2	14.6	13.0	4.9	6.5	4.9	9.7	8.1	0.0	1.6	0.0	0.0	0.0
MEAN	650.7	287.3	256.0	56.0	24.4	23.3	8.9	6.2	4.9	3.8	3.5	3.2	0.5	0.3	0.3	0.0	0.0
SD	265.6	69.0	97.7	27.5	12.7	22.1	8.0	4.8	3.6	4.1	4.2	3.2	0.8	0.7	0.7	0.0	0.0
SE	108.4	28.2	39.9	11.2	5.2	9.0	3.3	1.9	1.5	1.7	1.7	1.3	0.3	0.3	0.3	0.0	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 28 JUN 1980, 1115 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	CNAU	HARP	NEMA	WORM	EGGS	AMPH	OSTR	CUMA	FORA	BIVA	GEGG	HYDR	CALA	ECTO	PTER	COYP	CLAD
1	186	92	80	20	10	9	10	1	3	2	1	2	1	0	0	1	0
2	614	177	142	22	8	7	5	4	0	2	1	1	0	1	0	0	0
3	1126	701	114	13	4	7	12	8	1	2	3	2	2	1	0	0	0
4	218	66	167	23	22	11	6	6	4	1	1	0	0	0	0	0	0
5	1293	579	179	8	22	11	7	3	1	0	1	0	1	0	2	0	0
6	38	55	30	10	9	29	6	2	5	4	0	1	0	0	0	1	0

NUMBERS PER 10.00 SQ CM

REP	CNAU	HARP	NEMA	WORM	EGGS	AMPH	OSTR	CUMA	FORA	BIVA	GEGG	HYDR	CALA	ECTO	PTER	COYP	CLAD
1	301.9	149.4	129.9	32.5	16.2	14.6	16.2	1.6	4.9	3.2	1.6	3.2	1.6	0.0	0.0	1.6	0.0
2	996.8	287.3	230.5	35.7	13.0	11.4	8.1	6.5	0.0	3.2	1.6	1.6	0.0	1.6	0.0	0.0	0.0
3	1827.9	1138.0	185.1	21.1	6.5	11.4	19.5	13.0	1.6	3.2	4.9	3.2	3.2	1.6	0.0	0.0	0.0
4	353.9	107.1	271.1	37.3	35.7	17.9	9.7	9.7	6.5	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
5	2099.0	939.9	290.6	13.0	35.7	17.9	11.4	4.9	1.6	0.0	1.6	0.0	1.6	0.0	3.2	0.0	0.0
6	61.7	89.3	48.7	16.2	14.6	47.1	9.7	3.2	8.1	6.5	0.0	1.6	0.0	0.0	0.0	1.6	0.0
MEAN	940.2	451.8	192.6	26.0	20.3	20.0	12.4	6.5	3.8	3.0	1.9	1.6	1.1	0.5	0.5	0.5	0.0
SD	855.2	464.3	91.5	10.5	12.4	13.6	4.4	4.2	3.2	2.2	1.6	1.5	1.3	0.8	1.3	0.8	0.0
SE	349.1	189.5	37.4	4.3	5.1	5.5	1.8	1.7	1.3	0.9	0.7	0.6	0.5	0.3	0.5	0.3	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 5 SEP 1980, 825 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM . DEPTH 1 CM

RAW COUNTS

REP	CNAU	NEMA	HARP	WORM	EGGS	AMPH	BIVA	FORA	OSTR	HYDR	ECTO	GEGG	ACAR	GAST	MYSI	ECHL	EGCA
1	128	276	30	18	6	3	18	6	4	0	0	0	0	0	0	0	0
2	343	200	42	11	3	5	10	16	12	1	0	1	1	0	0	0	0
3	275	320	21	24	9	2	7	1	7	2	0	0	0	0	0	0	0
4	172	289	42	20	17	6	6	1	6	2	0	1	0	1	0	0	0
5	671	590	203	20	38	44	5	11	1	1	2	0	0	0	0	0	0
6	205	52	21	17	0	10	9	15	8	4	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	CNAU	NEMA	HARP	WORM	EGGS	AMPH	BIVA	FORA	OSTR	HYDR	ECTO	GEGG	ACAR	GAST	MYSI	ECHL	EGCA
1	207.8	448.1	48.7	29.2	9.7	4.9	29.2	9.7	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	556.8	324.7	68.2	17.9	4.9	8.1	16.2	26.0	19.5	1.6	0.0	1.6	1.6	0.0	0.0	0.0	0.0
3	446.4	519.5	34.1	39.0	14.6	3.2	11.4	1.6	11.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	279.2	469.2	68.2	32.5	27.6	9.7	9.7	1.6	9.7	3.2	0.0	1.6	0.0	1.6	0.0	0.0	0.0
5	1089.3	957.8	329.5	32.5	61.7	71.4	8.1	17.9	1.6	1.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0
6	332.8	84.4	34.1	27.6	0.0	16.2	14.6	24.4	13.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	485.4	467.3	97.1	29.8	19.8	18.9	14.9	13.5	10.3	2.7	0.5	0.5	0.3	0.3	0.0	0.0	0.0
SD	320.7	286.6	114.9	7.0	22.6	26.1	7.6	10.8	6.0	2.2	1.3	0.8	0.7	0.7	0.0	0.0	0.0
SE	130.9	117.0	46.9	2.9	9.2	10.7	3.1	4.4	2.5	0.9	0.5	0.3	0.3	0.3	0.0	0.0	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: MAJOR CATEGORIES

DATE 23 SEP 1980, 1010 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	CNAU	HARP	NEMA	AMPH	WORM	EGGS	OSTR	BIVA	CUMA	FORA	ACAR	HYDR	GEGG	CALA	ECTO	CLAD	MYSI
1	801	1293	613	43	37	11	15	4	12	3	0	1	1	0	0	0	0
2	1312	1009	844	58	25	97	27	9	4	4	0	2	1	0	0	0	0
3	744	558	535	37	27	12	15	0	4	1	2	0	0	0	1	0	0
4	877	679	619	42	26	39	20	8	0	2	1	1	0	0	1	0	0
5	819	322	442	41	40	2	13	3	2	0	1	0	1	1	0	0	0
6	938	658	521	38	23	0	13	3	2	4	2	0	0	1	0	0	0

NUMBERS PER 10.00 SQ CM

REP	CNAU	HARP	NEMA	AMPH	WORM	EGGS	OSTR	BIVA	CUMA	FORA	ACAR	HYDR	GEGG	CALA	ECTO	CLAD	MYSI
1	1300.3	2099.0	995.1	69.8	60.1	17.9	24.4	6.5	19.5	4.9	0.0	1.6	1.6	0.0	0.0	0.0	0.0
2	2129.9	1638.0	1370.1	94.2	40.6	157.5	43.8	14.6	6.5	6.5	0.0	3.2	1.6	0.0	0.0	0.0	0.0
3	1207.8	905.8	868.5	60.1	43.8	19.5	24.4	0.0	6.5	1.6	3.2	0.0	0.0	0.0	1.6	0.0	0.0
4	1423.7	1102.3	1004.9	68.2	42.2	63.3	32.5	13.0	0.0	3.2	1.6	1.6	0.0	0.0	1.6	0.0	0.0
5	1329.5	522.7	717.5	66.6	64.9	3.2	21.1	4.9	3.2	0.0	1.6	0.0	1.6	1.6	0.0	0.0	0.0
6	1522.7	1068.2	845.8	61.7	37.3	0.0	21.1	4.9	3.2	6.5	3.2	0.0	0.0	1.6	0.0	0.0	0.0
MEAN	1485.7	1222.7	967.0	70.1	48.2	43.6	27.9	7.3	6.5	3.8	1.6	1.1	0.8	0.5	0.5	0.0	0.0
SD	333.5	560.2	224.2	12.4	11.4	60.2	8.9	5.5	6.8	2.7	1.5	1.3	0.9	0.8	0.8	0.0	0.0
SE	136.2	228.7	91.5	5.1	4.7	24.6	3.6	2.2	2.8	1.1	0.6	0.5	0.4	0.3	0.3	0.0	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 28 OCT 1980, 205 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	CNAU	HARP	OSTR	FORA	HYDR	BIVA	WORM	AMPH	ECTO	GAST	CUMA	ECHL	MYSI	LVIN	CLAD	EGCA
1	273	15	3	1	0	0	3	0	0	0	1	0	0	0	0	0	0
2	468	19	6	2	3	2	0	1	0	0	0	0	0	0	0	0	0
3	701	17	10	1	2	0	0	0	0	1	0	0	0	0	0	0	0
4	654	10	7	4	0	1	0	0	0	0	0	0	0	0	0	0	0
5	662	35	7	0	0	3	0	0	1	0	0	0	0	0	0	0	0
6	536	18	9	1	1	0	1	2	0	0	0	1	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	CNAU	HARP	OSTR	FORA	HYDR	BIVA	WORM	AMPH	ECTO	GAST	CUMA	ECHL	MYSI	LVIN	CLAD	EGCA
1	443.2	24.4	4.9	1.6	0.0	0.0	4.9	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0
2	759.7	30.8	9.7	3.2	4.9	3.2	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	1138.0	27.6	16.2	1.6	3.2	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	1061.7	16.2	11.4	6.5	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	1074.7	56.8	11.4	0.0	0.0	4.9	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	870.1	29.2	14.6	1.6	1.6	0.0	1.6	3.2	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0
MEAN	891.2	30.8	11.4	2.4	1.6	1.6	1.1	0.8	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
SD	261.6	13.7	4.0	2.2	2.1	2.1	2.0	1.4	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0
SE	106.8	5.6	1.6	0.9	0.8	0.8	0.8	0.6	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 17 NOV 1980, 600 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	CNAU	HARP	FORA	WORM	OSTR	ACAR	LVIN	CILI	ECHL	TURB	DECA	CLAD	MYSI	TARD	FISH	EGCA
1	23	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	74	1	1	1	3	0	1	0	0	0	0	0	0	0	0	0	0
3	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	93	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	5	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6	68	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	CNAU	HARP	FORA	WORM	OSTR	ACAR	LVIN	CILI	ECHL	TURB	DECA	CLAD	MYSI	TARD	FISH	EGCA
1	37.3	3.2	0.0	1.6	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
2	120.1	1.6	1.6	1.6	4.9	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	71.4	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	0.0	0.0
4	151.0	3.2	4.9	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
5	8.1	1.6	1.6	1.6	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
6	110.4	3.2	1.6	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	83.1	2.2	1.6	1.1	0.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	54.0	1.3	1.8	0.8	2.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	22.0	0.5	0.7	0.3	0.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 9 DEC 1980, 15 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	HARP	WORM	CNAU	OSTR	EGGS	FORA	BIVA	AMPH	CUMA	HYDR	GEGG	ECTO	ACAR	ECHL	CLAD	MYSI
1	847	114	29	12	9	1	2	2	2	3	0	0	0	0	0	0	0
2	323	65	7	15	4	2	5	0	3	0	0	0	0	0	0	0	0
3	579	71	14	8	8	10	3	3	0	0	2	1	0	0	0	0	0
4	494	49	13	2	2	8	3	2	2	0	0	1	0	0	0	0	0
5	380	76	7	18	3	1	0	1	1	1	1	0	1	1	0	0	0
6	566	85	13	14	4	7	0	1	0	2	1	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	HARP	WORM	CNAU	OSTR	EGGS	FORA	BIVA	AMPH	CUMA	HYDR	GEGG	ECTO	ACAR	ECHL	CLAD	MYSI
1	1375.0	185.1	47.1	19.5	14.6	1.6	3.2	3.2	3.2	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	524.4	105.5	11.4	24.4	6.5	3.2	8.1	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	939.9	115.3	22.7	13.0	13.0	16.2	4.9	4.9	0.0	0.0	3.2	1.6	0.0	0.0	0.0	0.0	0.0
4	801.9	79.5	21.1	3.2	3.2	13.0	4.9	3.2	3.2	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0
5	616.9	123.4	11.4	29.2	4.9	1.6	0.0	1.6	1.6	1.6	1.6	0.0	1.6	1.6	0.0	0.0	0.0
6	918.8	138.0	21.1	22.7	6.5	11.4	0.0	1.6	0.0	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	862.8	124.5	22.5	18.7	8.1	7.8	3.5	2.4	2.2	1.6	1.1	0.5	0.3	0.3	0.0	0.0	0.0
SD	300.1	35.5	13.1	9.3	4.6	6.4	3.2	1.7	2.0	2.1	1.3	0.8	0.7	0.7	0.0	0.0	0.0
SE	122.5	14.5	5.3	3.8	1.9	2.6	1.3	0.7	0.8	0.8	0.5	0.3	0.3	0.3	0.0	0.0	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: MAJOR CATEGORIES

DATE 22 JAN 1981, 25 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	HARP	CNAU	EGGS	WORM	ROTI	OSTR	NMRT	FISH	ECHL	TURB	DECA	CLAD	MYSI	TARD	ISOP	EGCA
1	39	5	2	5	2	3	1	0	0	0	0	0	0	0	0	0	0
2	52	15	13	3	3	4	0	0	0	0	0	0	0	0	0	0	0
3	28	6	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0
4	37	5	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0
5	28	6	4	5	1	0	0	0	0	0	0	0	0	0	0	0	0
6	48	10	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	HARP	CNAU	EGGS	WORM	ROTI	OSTR	NMRT	FISH	ECHL	TURB	DECA	CLAD	MYSI	TARD	ISOP	EGCA
1	63.3	8.1	3.2	8.1	3.2	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	84.4	24.4	21.1	4.9	4.9	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	45.5	9.7	1.6	3.2	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	60.1	8.1	6.5	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	45.5	9.7	6.5	8.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	77.9	16.2	4.9	3.2	3.2	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	62.8	12.7	7.3	5.4	3.2	1.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	16.2	6.4	7.0	2.2	1.5	3.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	6.6	2.6	2.9	0.9	0.6	1.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 16 FEB 1981, 2115 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	NMRT	EGGS	CNAU	HARP	CILI	FORA	ROTI	OSTR	FISH	ECHL	DECA	CLAD	CRZO	TARD	ISOP	EGCA
1	34	27	17	1	2	2	2	1	0	0	0	0	0	0	0	0	0
2	55	4	14	6	2	0	0	1	0	0	0	0	0	0	0	0	0
3	87	20	22	7	2	1	1	0	0	0	0	0	0	0	0	0	0
4	33	18	10	7	1	0	1	0	1	0	0	0	0	0	0	0	0
5	30	12	16	6	2	2	0	2	0	0	0	0	0	0	0	0	0
6	56	67	20	5	4	0	1	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	NMRT	EGGS	CNAU	HARP	CILI	FORA	ROTI	OSTR	FISH	ECHL	DECA	CLAD	CRZO	TARD	ISOP	EGCA
1	55.2	43.8	27.6	1.6	3.2	3.2	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	89.3	6.5	22.7	9.7	3.2	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	141.2	32.5	35.7	11.4	3.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	53.6	29.2	16.2	11.4	1.6	0.0	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	48.7	19.5	26.0	9.7	3.2	3.2	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	90.9	108.8	32.5	8.1	6.5	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	79.8	40.0	26.8	8.7	3.5	1.4	1.4	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	35.3	35.9	6.9	3.7	1.6	1.6	1.2	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	14.4	14.7	2.8	1.5	0.7	0.7	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 5 MAR 1981, 2230 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	EGGS	NEMA	CNAU	CILI	HARP	TURB	WORM	ROTI	BIVA	FORA	GEGG	OSTR	ACAR	CUMA	AMPH	DECA	EGCA
1	139	165	27	101	22	8	4	5	0	1	0	0	0	0	0	0	0
2	128	71	17	28	5	5	2	0	1	0	0	0	0	0	0	0	0
3	46	77	25	62	10	3	7	0	1	0	0	0	0	0	0	0	0
4	45	80	636	21	33	12	0	1	1	0	0	1	0	1	0	0	0
5	81	230	24	126	18	14	8	0	0	1	1	0	0	0	0	0	0
6	697	340	7	59	9	14	8	0	0	0	0	0	1	0	1	0	0

NUMBERS PER 10.00 SQ CM

REP	EGGS	NEMA	CNAU	CILI	HARP	TURB	WORM	ROTI	BIVA	FORA	GEGG	OSTR	ACAR	CUMA	AMPH	DECA	EGCA
1	225.6	267.9	43.8	164.0	35.7	13.0	6.5	8.1	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	207.8	115.3	27.6	45.5	8.1	8.1	3.2	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	74.7	125.0	40.6	100.6	16.2	4.9	11.4	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	73.1	129.9	1032.5	34.1	53.6	19.5	0.0	1.6	1.6	0.0	0.0	1.6	0.0	1.6	0.0	0.0	0.0
5	131.5	373.4	39.0	204.5	29.2	22.7	13.0	0.0	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
6	1131.5	551.9	11.4	95.8	14.6	22.7	13.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	0.0	0.0
MEAN	307.4	260.6	199.1	107.4	26.2	15.2	7.8	1.6	0.8	0.5	0.3	0.3	0.3	0.3	0.3	0.0	0.0
SD	408.8	175.6	408.4	66.4	16.8	7.7	5.5	3.2	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.0	0.0
SE	166.9	71.7	166.7	27.1	6.9	3.1	2.2	1.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 9 APR 1981, 1510 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	CNAU	EGGS	WORM	TURB	HARP	CILI	OSTR	ROTI	FORA	BIVA	ECTO	GEGG	ACAR	GAST	DECA	EGCA
1	127	18	16	21	13	5	5	3	0	0	2	0	0	0	0	0	0
2	72	24	8	22	9	5	1	3	0	0	1	1	0	0	0	0	0
3	51	23	15	9	11	5	5	3	0	0	0	0	0	1	1	0	0
4	83	39	22	7	15	1	2	1	1	1	0	0	0	0	0	0	0
5	107	24	21	14	13	3	0	1	6	2	1	0	0	0	0	0	0
6	43	31	24	4	9	4	2	2	6	1	0	0	1	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	CNAU	EGGS	WORM	TURB	HARP	CILI	OSTR	ROTI	FORA	BIVA	ECTO	GEGG	ACAR	GAST	DECA	EGCA
1	206.2	29.2	26.0	34.1	21.1	8.1	8.1	4.9	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0
2	116.9	39.0	13.0	35.7	14.6	8.1	1.6	4.9	0.0	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0
3	82.8	37.3	24.4	14.6	17.9	8.1	8.1	4.9	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.0	0.0
4	134.7	63.3	35.7	11.4	24.4	1.6	3.2	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	173.7	39.0	34.1	22.7	21.1	4.9	0.0	1.6	9.7	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0
6	69.8	50.3	39.0	6.5	14.6	6.5	3.2	3.2	9.7	1.6	0.0	0.0	1.6	0.0	0.0	0.0	0.0
MEAN	130.7	43.0	28.7	20.8	18.9	6.2	4.1	3.5	3.5	1.1	1.1	0.3	0.3	0.3	0.3	0.0	0.0
SD	52.5	12.0	9.6	12.1	3.9	2.6	3.4	1.6	4.9	1.3	1.3	0.7	0.7	0.7	0.7	0.0	0.0
SE	21.4	4.9	3.9	4.9	1.6	1.1	1.4	0.7	2.0	0.5	0.5	0.3	0.3	0.3	0.3	0.0	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 6 MAY 1981, 1200 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	NEMA	CNAU	EGGS	TURB	HARP	WORM	CILI	ROTI	CUMA	GEGG	FORA	BARN	OSTR	BIVA	AMPH	GAST	DECA
1	280	53	37	30	28	11	7	1	0	0	0	0	1	0	0	0	0
2	291	104	29	17	29	1	7	0	1	0	1	0	0	0	0	0	0
3	334	49	16	44	16	2	5	1	0	4	1	0	0	2	0	0	0
4	186	137	61	45	28	8	4	3	0	0	0	0	1	1	0	1	0
5	268	50	35	32	23	10	7	0	1	0	1	0	1	0	0	0	0
6	235	48	42	35	16	5	3	1	3	0	0	3	0	0	1	0	0

NUMBERS PER 10.00 SQ CM

REP	NEMA	CNAU	EGGS	TURB	HARP	WORM	CILI	ROTI	CUMA	GEGG	FORA	BARN	OSTR	BIVA	AMPH	GAST	DECA
1	454.5	86.0	60.1	48.7	45.5	17.9	11.4	1.6	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0
2	472.4	168.8	47.1	27.6	47.1	1.6	11.4	0.0	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0
3	542.2	79.5	26.0	71.4	26.0	3.2	8.1	1.6	0.0	6.5	1.6	0.0	0.0	3.2	0.0	0.0	0.0
4	301.9	222.4	99.0	73.1	45.5	13.0	6.5	4.9	0.0	0.0	0.0	0.0	1.6	1.6	0.0	1.6	0.0
5	435.1	81.2	56.8	51.9	37.3	16.2	11.4	0.0	1.6	0.0	1.6	0.0	1.6	0.0	0.0	0.0	0.0
6	381.5	77.9	68.2	56.8	26.0	8.1	4.9	1.6	4.9	0.0	0.0	4.9	0.0	0.0	1.6	0.0	0.0
MEAN	431.3	119.3	59.5	54.9	37.9	10.0	8.9	1.6	1.4	1.1	0.8	0.8	0.8	0.8	0.3	0.3	0.0
SD	82.2	61.5	24.2	16.7	9.8	6.8	2.9	1.8	1.9	2.7	0.9	2.0	0.9	1.4	0.7	0.7	0.0
SE	33.5	25.1	9.9	6.8	4.0	2.8	1.2	0.7	0.8	1.1	0.4	0.8	0.4	0.6	0.3	0.3	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 1 JUN 1981, 1100 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	CNAU	NEMA	HARP	EGGS	WORM	CILI	TURB	GEGG	AMPH	CUMA	CALA	OSTR	ECTO	HYDR	ROTI	FORA	GAST
1	297	254	174	33	8	10	19	10	5	4	4	4	0	1	0	0	0
2	137	289	93	30	10	16	4	3	3	2	3	1	2	1	0	0	1
3	323	252	106	65	12	0	2	13	15	2	3	1	3	3	0	2	0
4	488	555	232	30	42	25	5	5	6	4	2	0	0	0	2	1	0
5	830	227	354	37	20	10	6	1	3	9	2	9	0	0	0	0	0
6	420	350	208	95	9	4	8	9	2	3	5	2	6	0	1	0	0

RAW COUNTS

REP	BIVA	DECA	BNAU	EGCA	MYSI	CLAD	PTER	COYP	TUNI	CMEG	BARN	BCYP	ACAR	ISOP	TARD	FISH	NMRT
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 3 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

DATE 1 JUN 1981, 1100 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

NUMBERS PER 10.00 SQ CM

REP	CNAU	NEMA	HARP	EGGS	WORM	CILI	TURB	GEGG	AMPH	CUMA	CALA	OSTR	ECTO	HYDR	ROTI	FORA	GAST
1	482.1	412.3	282.5	53.6	13.0	16.2	30.8	16.2	8.1	6.5	6.5	6.5	0.0	1.6	0.0	0.0	0.0
2	222.4	469.2	151.0	48.7	16.2	26.0	6.5	4.9	4.9	3.2	4.9	1.6	3.2	1.6	0.0	0.0	1.6
3	524.4	409.1	172.1	105.5	19.5	0.0	3.2	21.1	24.4	3.2	4.9	1.6	4.9	4.9	0.0	3.2	0.0
4	792.2	901.0	376.6	48.7	68.2	40.6	8.1	8.1	9.7	6.5	3.2	0.0	0.0	0.0	3.2	1.6	0.0
5	1347.4	368.5	574.7	60.1	32.5	16.2	9.7	1.6	4.9	14.6	3.2	14.6	0.0	0.0	0.0	0.0	0.0
6	681.8	568.2	337.7	154.2	14.6	6.5	13.0	14.6	3.2	4.9	8.1	3.2	9.7	0.0	1.6	0.0	0.0
MEAN	675.1	521.4	315.7	78.5	27.3	17.6	11.9	11.1	9.2	6.5	5.1	4.6	3.0	1.4	0.8	0.8	0.3
SD	382.3	198.4	155.0	42.9	21.2	14.4	9.8	7.4	7.8	4.2	1.9	5.4	3.9	1.9	1.4	1.4	0.7
SE	156.1	81.0	63.3	17.5	8.7	5.9	4.0	3.0	3.2	1.7	0.8	2.2	1.6	0.8	0.6	0.6	0.3

NUMBERS PER 10.00 SQ CM

REP	BIVA	DECA	BNAU	EGCA	MYSI	CLAD	PTER	COYP	TUNI	CMEG	BARN	BCYP	ACAR	ISOP	TARD	FISH	NMRT
1	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	0.0	0.0	0.0
2	1.6	1.6	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	0.0
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	0.0	0.0	0.0	0.0	0.0
4	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	0.0	0.0	0.0
5	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	0.0	0.0	0.0
6	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	0.0	0.0	0.0
MEAN	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.7	0.7	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	0.0
SE	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 4

FRASER FORESHORE; CORE SAMPLES

MAJOR CATEGORIES

AVERAGED OVERALL SAMPLES

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

NUMBERS PER 10.00 SQ CM AVERAGED OVER ALL SAMPLES FOR STATION 1

N= 78

STAT	NEMA	CILI	CNAU	HARP	WORM	EGGS	ROTI	TURB	BIVA	CUMA	AMPH	HYDR	ECTO	OSTR	FORA	INSE	CALA
MEAN	1143.7	286.3	170.1	149.9	119.5	29.8	20.2	10.9	9.5	3.1	2.4	2.1	1.1	0.6	0.4	0.1	0.0
SD	1264.9	337.6	207.8	127.1	190.7	34.8	52.4	10.1	10.1	7.7	5.7	5.5	1.9	1.1	1.0	0.3	0.3
SE	143.2	38.2	23.5	14.4	21.6	3.9	5.9	1.1	1.1	0.9	0.6	0.6	0.2	0.1	0.1	0.0	0.0
V/MEAN	1399.0	398.0	253.8	107.9	304.2	40.6	135.9	9.4	10.7	19.1	13.4	14.2	3.4	2.2	2.6	1.6	1.6
S/MEAN	1.1	1.2	1.2	0.8	1.6	1.2	2.6	0.9	1.1	2.5	2.4	2.6	1.8	1.9	2.6	5.0	6.2
S/M*M	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.8	1.0	1.2	1.6	3.1	6.5	80.6	149.1

Table 4 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

NUMBERS PER 10.00 SQ CM AVERAGED OVER ALL SAMPLES FOR STATION 2

N= 72

STAT	CNAU	NEMA	HARP	TURB	WORM	ROTI	CILI	OSTR	EGGS	CUMA	FORA	BIVA	INSE	GAST	ACAR	AMPH	HYDR
MEAN	107.9	104.1	84.3	40.9	13.0	11.9	8.9	8.3	7.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.0
SD	130.3	129.1	141.1	24.1	21.1	18.7	6.0	8.4	15.2	1.8	1.2	0.5	0.4	0.4	0.4	0.3	0.4
SE	15.4	15.2	16.6	2.8	2.5	2.2	0.7	1.0	1.8	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
V/MEAN	157.2	160.1	236.0	14.2	34.4	29.3	4.0	8.4	30.4	9.4	5.9	1.5	1.5	1.6	1.6	1.6	3.2
S/MEAN	1.2	1.2	1.7	0.6	1.6	1.6	0.7	1.0	2.0	5.3	4.9	3.3	3.7	4.2	4.2	4.8	8.5
S/M*M	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	15.6	19.6	24.7	32.7	46.0	46.0	71.4	188.2

Table 4 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

NUMBERS PER 10.00 SQ CM AVERAGED OVER ALL SAMPLES FOR STATION 3

N= 84

STAT	NEMA	CNAU	HARP	EGGS	WORM	AMPH	CILI	TURB	OSTR	FORA	NMRT	BIVA	CUMA	GEGG	ECTO	HYDR	ROTI
MEAN	385.4	339.8	191.4	45.7	23.4	11.1	10.0	7.2	5.9	3.2	2.9	2.8	2.0	1.7	1.1	0.9	0.8
SD	344.6	521.8	368.7	127.8	25.4	21.2	32.3	15.7	8.1	4.8	13.6	4.8	3.6	3.8	3.2	1.5	2.0
SE	37.6	56.9	40.2	13.9	2.8	2.3	3.5	1.7	0.9	0.5	1.5	0.5	0.4	0.4	0.4	0.2	0.2
V/MEAN	308.0	801.3	710.0	357.1	27.7	40.4	104.7	34.0	11.1	7.1	64.8	8.1	6.7	8.5	9.5	2.4	5.4
S/MEAN	0.9	1.5	1.9	2.8	1.1	1.9	3.2	2.2	1.4	1.5	4.8	1.7	1.8	2.2	2.9	1.6	2.7
S/M*M	0.0	0.0	0.0	0.1	0.0	0.2	0.3	0.3	0.2	0.5	1.7	0.6	0.9	1.3	2.7	1.8	3.6

STAT	ACAR	CALA	GAST	BARN	PTER	COYP	BCYP	DECA	CMEG	BNAU	CLAD	MYSI	EGCA	ISOP	TARD	FISH	TUNI
MEAN	0.7	0.5	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	1.1	1.5	0.5	0.6	0.5	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.1	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
V/MEAN	1.8	4.4	1.5	4.0	3.2	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S/MEAN	1.6	3.0	3.3	7.2	6.4	5.2	6.4	9.2	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S/M*M	2.2	6.3	24.7	93.4	83.3	90.2	166.7	474.2	474.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 4 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; MAJOR CATEGORIES

NUMBERS PER 10.00 SQ CM AVERAGED OVER ALL SAMPLES FOR STATION ALL

N=234

STAT	NEMA	CNAU	HARP	CILI	WORM	EGGS	TURB	ROTI	OSTR	AMPH	BIVA	CUMA	FORA	HYDR	NMRT	ECTO	GEGG
MEAN	551.6	211.9	144.6	101.8	52.2	28.7	18.8	10.7	4.9	4.8	4.2	1.8	1.4	1.0	1.0	0.8	0.6
SD	874.8	355.3	248.5	234.8	121.1	80.8	22.8	32.9	7.4	13.9	7.6	5.1	3.3	3.4	8.2	2.3	2.4
SE	57.2	23.2	16.2	15.4	7.9	5.3	1.5	2.1	0.5	0.9	0.5	0.3	0.2	0.2	0.5	0.1	0.2
V/MEAN	1387.5	595.8	427.0	541.9	281.0	227.7	27.6	101.3	11.3	40.3	13.5	14.3	8.0	11.0	66.2	6.9	9.5
S/MEAN	1.6	1.7	1.7	2.3	2.3	2.8	1.2	3.1	1.5	2.9	1.8	2.8	2.4	3.2	8.0	3.0	3.9
S/M*M	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.3	0.6	0.4	1.5	1.8	3.1	7.8	4.0	6.1

STAT	ACAR	CALA	GAST	INSE	BARN	PTER	COYP	DECA	BCYP	ISOP	TUNI	CMEG	PARA	MYSI	BNAU	TARD	EGCA
MEAN	0.3	0.2	0.1	0.1	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
SD	0.8	0.9	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
SE	0.1	0.1	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	0.0
V/MEAN	2.1	4.5	1.6	1.6	4.0	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
S/MEAN	2.6	4.9	4.5	5.3	12.1	10.8	8.8	8.8	10.8	15.3	15.3	15.3	15.3	0.0	0.0	0.0	0.0
S/M*M	8.9	26.1	59.1	96.0	435.2	389.0	422.5	422.5	777.9	2205.0	2205.0	2205.0	2205.0	0.0	0.0	0.0	0.0

TABLE 5

FRASER FORESHORE; CORE SAMPLES

HARPACTICOID SPECIES

STATION 1 (IONA)

MEIOTAB1: FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
TOTAL	TOTAL
ALSP	ALTEUTHA SP.
AMOI	AMPHIASCOIDES DIMORPHUS
APVE	APODOPSYLLUS VERMICULIFORMIS
AMNO	AMONARDIA NORMANI
AMUN	AMPHIASCUS UNDOSUS
AMSP	AMPHIASCOIDES SPECIES
AMMI	AMPHIASCUS MINUTUS
AMLO	AMEIRA LONGIPES
AMESP	AMEIRA SPECIES
AMCI	AMPHIASCOPSIS CINCTUS
AMOPE	AMONARDIA PERTURBATA
AMPA	AMEIRA PARVULOIDES
UCOP	COPEPODITE UNIDENTIFIED
CLESP	CLETOCAMPTUS SPECIES
DASP	DACTYLOPODIA SPECIES
DATY	DANIELSENNIA TYPICA
DISP	DIARTHRODES SPECIES
DISPI	DIOSACCUS SPINATUS
DIUN	DIARTHRODES UNISETOSUS
ENSP	ENHYDROSOMA SPECIES
ENHO	ENHYDROSOMA HOPKINSI
ECAR	ECHINOLAOPHONTE ARMIGER
FAEC	FAMILY ECTINOSOMIDAE
HUSP	HUNTEMANNIA SPECIES
HASP	HARPACTICUS SPECIES
HUJA	HUNTEMANNIA JADENSIS

Table 5 (cont'd)

HELIL = HETEROLAOPHONTE LITTORALIS LONGISETIGERA

HEDI = HETEROLAOPHONTE DISCOPHORA

HEHA = HETEROLAOPHONTE HAMONDI

HEVA = HETEROLAOPHONTE VARIABILIS

HASPI = HARPACTICUS SPINULOSUS

LEVA = LEIMIA VAGA

LOAM = LONGIPEDIA AMERICANA

LECO = LEPTASTACUS CONSTRICTUS

LASP = LAOPHONTID SPECIES

LESP = LEPTOCARIS SPECIES

LIBE = LIMNOCLETODES BEHNINGI

MILI = MICROARTHRIDION LITTORALE

MESP = MESOCHRA SPECIES

MISP = MICROSETELLA SPECIES

MIRO = MICROSETELLA ROSEA

MEPY = MESOCHRA PYGMAEA

NISPA = NITOCRA SPINIPES ARMATA

PSES = PSEUDONYCHOCAMPTUS SPINIFER

PAPA = PARALAOPHONTE PACIFICA

PSMI = PSYLLOCAMPTUS MINUTUS

PPLSP = PARAPSEUDOLEPTOMESOCHRA SPECIES

PAVE = PARALEPTASTACUS VERMICULARIS

PRSI = PROAMEIRA SIMPLEX

PAHO = PARASTENHELIA HORNELLI

PASP = PARALEPTASTICUS SPECIES

PACOC = PARALAOPHONTE CONGENERA CONGENERA

PASPI = PARALEPTASTICUS SPINICAUDA

ROPR = ROBERTSONIA PROPINQUA

ROHO = ROBERTGURNEYA HOPKINSI

RODI = ROBERTGURNEYA DIVERSA

Table 5 (cont'd)

SCSP = SCOTTOPSYLLUS SPECIES

SCAR = SCUTELLIDIUM ARTHURI

SCKN = SCHIZOPERA KNABENI

SASP = SARSAMEIRA SPECIES

SCCA = SCOTTOLANA CANADENSIS

STPE = STENHELIA (ST.) PENICULATA

STOB = STENHELIA (D.) OBLONGA

STDSP = STENHELIA (D.) SPECIES

TESP = TEGASTIDAE SPECIES

TISP = TISBE SPECIES

TATR = TACHIDIUS (NEOTACHIDIUS) TRIANGULARIS

TEPE = TEGASTES PERFORATUS

ZASP = ZAUS SPECIES

DACR = DACTYLOPODIA CRASSIPES

DAVU = DACTYLOPODIA VULGARIS

TAIN = TACHIDIUS INCISIPES

STAS = STENHELIA (ST) ASETOSA

KLSP = KLIOPSYLLUS SPECIES

ACSP = ACRENHYDROSOMA SPECIES

ALLA = ALTEUTHA LANGI

RHCU = RHIZOTHRIX CURVATA

PSSP = PSEUDAMEIRA SPECIES

PAUN = PARALEPTASTACUS UNISETOSUS

PACA = PARATHALESTRIS CALIFORNICA

UNCY = UNIDENTIFIED CYLINDROPSYLLIDAE "A"

Table 5 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

DATE 17 APR 1980, 1305 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	HUJA	MILI	SCKN	UCOP	FAEC	AMSP	LECO	SASP	RHCU	UNCY	STAS	PAUN	DAVU	DACR	TISP	PACA
1	181	102	15	43	13	1	7	1	1	0	0	0	0	0	0	0	0
2	66	23	13	6	6	7	7	0	0	0	0	0	0	0	0	0	0
3	76	18	39	10	9	6	0	0	0	0	0	0	0	0	0	0	0
4	79	27	22	13	11	3	0	0	0	0	0	0	0	0	0	0	0
5	58	22	14	5	6	4	1	0	0	0	0	0	0	0	0	0	0
6	95	35	29	8	5	2	3	1	1	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	HUJA	MILI	SCKN	UCOP	FAEC	AMSP	LECO	SASP	RHCU	UNCY	STAS	PAUN	DAVU	DACR	TISP	PACA
1	293.8	163.8	24.1	69.0	20.9	1.6	11.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	107.1	39.7	22.5	10.4	10.4	12.1	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	123.4	27.1	58.7	15.0	13.5	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	128.2	45.6	37.1	21.9	18.6	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	94.2	39.8	25.3	9.1	10.9	7.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	154.2	64.3	53.2	14.7	9.2	3.7	5.5	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	150.2	63.4	36.8	23.4	13.9	6.5	5.1	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	73.3	50.7	15.8	22.8	4.8	3.8	5.5	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	29.9	20.7	6.4	9.3	2.0	1.6	2.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 16 MAY 1980, 1155 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM . DEPTH 1 CM

RAW COUNTS

REP	TOTAL	UCOP	HUJA	MILI	FAEC	LEVA	SCCA	SCKN	SASP	PACA	UNCY	STAS	PAUN	OAVU	OACR	TISP	TESP
1	136	27	41	33	2	10	3	2	2	0	0	0	0	0	0	0	0
2	99	29	38	15	8	4	2	2	0	0	0	0	0	0	0	0	0
3	114	25	31	29	15	4	2	1	0	0	0	0	0	0	0	0	0
4	157	62	23	31	17	9	6	1	0	0	0	0	0	0	0	0	0
5	103	24	26	25	11	8	3	0	2	0	0	0	0	0	0	0	0
6	148	32	39	40	9	12	1	6	2	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	UCOP	HUJA	MILI	FAEC	LEVA	SCCA	SCKN	SASP	PACA	UNCY	STAS	PAUN	DAVU	OACR	TISP	TESP
1	220.8	49.7	75.4	60.7	3.7	18.4	5.5	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	160.7	47.6	62.3	24.6	13.1	6.6	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	185.1	43.2	53.6	50.2	25.9	6.9	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	254.9	106.1	39.3	53.0	29.1	15.4	10.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	167.2	40.5	43.9	42.2	18.6	13.5	5.1	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	240.3	54.5	66.5	68.2	15.3	20.4	1.7	10.2	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	204.8	56.9	56.8	49.8	17.6	13.5	4.9	3.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	39.4	24.6	13.8	15.2	9.2	5.8	3.0	3.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	16.1	10.0	5.6	6.2	3.7	2.4	1.2	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 26 JUN 1980, 1005 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	UCOP	HUJA	MILI	SASP	SCCA	SCKN	LEVA	TATR	LECO	STAS	DACR	PAUN	DAVU	UNCY	TISP	PACA
1	294	62	16	7	8	8	1	0	0	1	0	0	0	0	0	0	0
2	367	71	11	20	9	6	6	2	0	0	0	0	0	0	0	0	0
3	238	52	20	7	6	6	4	2	0	0	0	0	0	0	0	0	0
4	323	79	17	8	7	10	2	0	0	0	0	0	0	0	0	0	0
5	210	45	27	35	17	7	6	0	3	0	0	0	0	0	0	0	0
6	257	63	19	17	4	9	0	0	2	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	UCOP	HUJA	MILI	SASP	SCCA	SCKN	LEVA	TATR	LECO	STAS	DACR	PAUN	DAVU	UNCY	TISP	PACA
1	477.3	287.3	74.1	32.4	37.1	37.1	4.6	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	595.8	338.4	52.4	95.3	42.9	28.6	28.6	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	386.4	207.1	79.7	27.9	23.9	23.9	15.9	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	524.4	336.8	72.5	34.1	29.8	42.6	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	340.9	109.6	65.7	85.2	41.4	17.0	14.6	0.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	417.2	230.6	69.5	62.2	14.6	32.9	0.0	0.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	457.0	251.6	69.0	56.2	31.6	30.4	12.1	2.9	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	94.1	87.9	9.4	29.2	11.0	9.2	10.1	4.5	3.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	38.4	35.9	3.8	11.9	4.5	3.8	4.1	1.9	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

DATE 4 SEP 1980, 730 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	UCOP	FAEC	SCCA	HUJA	TATR	MILI	SCKN	LEVA	PASPI	PACA	STAS	PAUN	DAVU	DACR	TISP	TESP
1	120	38	21	23	17	0	3	1	1	0	0	0	0	0	0	0	0
2	132	40	32	29	17	14	0	0	0	1	0	0	0	0	0	0	0
3	99	32	20	17	21	9	1	1	0	0	0	0	0	0	0	0	0
4	129	39	26	19	7	27	1	2	0	0	0	0	0	0	0	0	0
5	173	58	28	39	13	21	2	0	0	0	0	0	0	0	0	0	0
6	167	45	48	22	22	13	0	0	0	0	0	0	0	0	0	0	0

NUMBERS·PER 10.00 SQ CM

REP	TOTAL	UCOP	FAEC	SCCA	HUJA	TATR	MILI	SCKN	LEVA	PASPI	PACA	STAS	PAUN	DAVU	DACR	TISP	TESP
1	194.8	71.2	39.3	43.1	31.8	0.0	5.6	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	214.3	64.4	51.6	46.7	27.4	22.6	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	160.7	50.9	31.8	27.1	33.4	14.3	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	209.4	67.5	45.0	32.9	12.1	46.7	1.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	280.8	101.2	48.8	68.0	22.7	36.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	271.1	81.3	86.8	39.8	39.8	23.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	221.9	72.8	50.6	42.9	27.9	24.0	2.1	1.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	46.0	17.1	19.1	14.2	9.6	16.4	2.2	1.4	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	18.8	7.0	7.8	5.8	3.9	6.7	0.9	0.6	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES: HARPACTICOID SPECIES

DATE 22 SEP 1980, 920 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	UCOP	FAEC	HUJA	SCCA	TATR	LIBE	CLESP	AMSP	PACA	UNCY	STAS	PAUN	DAVU	DACR	TISP	TESP
1	53	15	10	16	8	1	1	0	1	0	0	0	0	0	0	0	0
2	49	10	12	9	7	4	0	0	0	0	0	0	0	0	0	0	0
3	73	22	19	15	7	4	0	1	0	0	0	0	0	0	0	0	0
4	51	19	13	11	4	3	0	0	0	0	0	0	0	0	0	0	0
5	95	37	22	9	12	8	1	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	UCOP	FAEC	HUJA	SCCA	TATR	LIBE	CLESP	AMSP	PACA	UNCY	STAS	PAUN	DAVU	DACR	TISP	TESP
1	86.0	24.8	16.5	26.5	13.2	1.7	1.7	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	79.5	18.9	22.7	17.0	13.3	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	118.5	38.3	33.1	26.1	12.2	7.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	82.8	31.5	21.5	18.2	6.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	154.2	64.1	38.1	15.6	20.8	13.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	104.2	35.5	26.4	20.7	13.2	7.0	0.7	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	32.0	17.5	8.9	5.2	5.0	4.5	0.9	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	14.3	7.8	4.0	2.3	2.3	2.0	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

DATE 30 OCT 1980, 355 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	TATR	UCOP	HUJA	SCCA	LEVA	MILI	SCKN	LECO	LIBE	ENHO	LOAM	AMLO	DACR	STAS	PACA
1	126	46	36	24	16	12	1	1	0	0	0	0	0	1	0	0	0
2	101	43	7	11	14	5	15	0	2	0	0	0	0	0	0	0	0
3	97	27	21	20	13	5	10	0	0	0	0	1	1	0	0	0	0
4	178	73	32	21	30	8	1	7	0	1	0	0	0	0	0	0	0
5	237	78	60	69	11	11	2	0	0	0	1	0	0	0	0	0	0
6	72	24	16	6	12	9	6	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	FAEC	TATR	UCOP	HUJA	SCCA	LEVA	MILI	SCKN	LECO	LIBE	ENHO	LOAM	AMLO	DACR	STAS	PACA
1	204.5	68.7	53.7	35.8	23.9	17.9	1.5	1.5	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0
2	164.0	72.7	11.8	18.6	23.7	8.5	25.4	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	157.5	43.4	33.7	32.1	20.9	8.0	16.1	0.0	0.0	0.0	0.0	1.6	1.6	0.0	0.0	0.0	0.0
4	289.0	121.9	53.4	35.1	50.1	13.4	1.7	11.7	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	384.7	129.4	99.5	114.4	18.2	18.2	3.3	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0
6	116.9	38.4	25.6	9.6	19.2	14.4	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	219.4	79.1	46.3	40.9	26.0	13.4	9.6	2.2	0.6	0.3	0.3	0.3	0.3	0.2	0.0	0.0	0.0
SD	99.8	38.6	30.7	37.5	12.0	4.4	9.6	4.7	1.4	0.7	0.7	0.7	0.7	0.6	0.0	0.0	0.0
SE	40.7	15.7	12.5	15.3	4.9	1.8	3.9	1.9	0.6	0.3	0.3	0.3	0.3	0.2	0.0	0.0	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 18 NOV 1980, 700 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	LECO	HUJA	PASPI	UCOP	HEHA	LESP	RHCU	STAS	PAUN	UNCY	DACR	ZASP	DAVU	KLSP	TISP	PACA
1	80	31	20	21	6	1	0	0	0	0	0	0	0	0	0	0	0
2	61	40	8	7	3	0	0	0	0	0	0	0	0	0	0	0	0
3	50	27	14	6	2	0	1	0	0	0	0	0	0	0	0	0	0
4	44	18	18	3	3	1	0	0	0	0	0	0	0	0	0	0	0
5	35	18	13	2	0	1	0	0	0	0	0	0	0	0	0	0	0
6	35	17	13	1	1	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	LECO	HUJA	PASPI	UCOP	HEHA	LESP	RHCU	STAS	PAUN	UNCY	DACR	ZASP	DAVU	KLSP	TISP	PACA
1	129.9	51.0	32.9	34.5	9.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	99.0	68.3	13.7	12.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	81.2	43.8	22.7	9.7	3.2	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	71.4	29.9	29.9	5.0	5.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	56.8	30.1	21.7	3.3	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	56.8	30.2	23.1	1.8	1.8	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	82.5	42.2	24.0	11.1	4.2	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	28.1	15.5	6.8	12.1	3.4	0.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	11.5	6.3	2.8	5.0	1.4	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

DATE 11 DEC 1980, 45 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	HUJA	FAEC	TATR	LEVA	LECO	UCOP	SCCA	APVE	LIBE	PAVE	STAS	DACR	DAVU	KLSP	UNCY	PACA
1	41	17	7	9	2	2	0	2	1	0	0	0	0	0	0	0	0
2	27	9	12	3	2	0	0	0	0	0	0	0	0	0	0	0	0
3	22	3	11	6	0	1	1	0	0	0	0	0	0	0	0	0	0
4	11	6	2	2	0	0	1	0	0	0	0	0	0	0	0	0	0
5	28	11	9	5	1	0	1	0	0	1	1	0	0	0	0	0	0
6	20	10	8	0	2	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	HUJA	FAEC	TATR	LEVA	LECO	UCOP	SCCA	APVE	LIBE	PAVE	STAS	DACR	DAVU	KLSP	UNCY	PACA
1	66.6	28.3	11.6	15.0	3.3	3.3	0.0	3.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	43.8	15.2	20.2	5.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	35.7	4.9	17.9	9.7	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	17.9	9.7	3.2	3.2	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	45.5	17.2	14.1	7.8	1.6	0.0	1.6	0.0	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
6	32.5	16.2	13.0	0.0	3.2	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	40.3	15.3	13.3	6.8	1.9	0.8	0.8	0.6	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
SD	16.2	7.9	5.9	5.3	1.6	1.4	0.9	1.4	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
SE	6.6	3.2	2.4	2.1	0.7	0.6	0.4	0.6	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

DATE 20 JAN 1981, 2335 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	HUJA	FAEC	UCOP	TATR	LEVA	SCCA	SCKN	HASP	ZASP	LECO	LIBE	HEHA	STAS	DACR	PAUN	PACA
1	25	15	3	1	0	3	1	0	0	1	1	1	0	0	0	0	0
2	27	14	8	0	0	2	0	1	0	0	0	0	0	0	0	0	0
3	29	6	15	4	2	1	0	0	1	0	0	0	0	0	0	0	0
4	28	12	5	6	5	1	1	0	0	0	0	0	0	0	0	0	0
5	24	14	4	1	3	2	0	0	0	0	0	0	1	0	0	0	0
6	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	HUJA	FAEC	UCOP	TATR	LEVA	SCCA	SCKN	HASP	ZASP	LECO	LIBE	HEHA	STAS	DACR	PAUN	PACA
1	40.6	23.4	4.7	1.6	0.0	4.7	1.6	0.0	0.0	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
2	43.8	24.5	14.0	0.0	0.0	3.5	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	47.1	9.7	24.4	6.5	3.2	1.6	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	45.5	18.2	7.6	9.1	7.6	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	39.0	21.8	6.2	1.6	4.7	3.1	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0
6	1.6	0.0	0.0	0.0	1.6	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	36.3	16.3	9.5	3.1	2.9	2.4	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
SD	17.2	9.6	8.6	3.8	3.0	1.7	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
SE	7.0	3.9	3.5	1.5	1.2	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 3 MAR 1981, 2140 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	HUJA	FAEC	UCOP	LEVA	PACA	UNCY	KLSP	STAS	ACSP	DAVU	DACR	PAUN	TEPE	TATR	TISP	TESP
1	19	3	7	3	3	0	0	0	0	0	0	0	0	0	0	0	0
2	23	8	12	0	3	0	0	0	0	0	0	0	0	0	0	0	0
3	13	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	11	6	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0
5	19	3	2	9	5	0	0	0	0	0	0	0	0	0	0	0	0
6	10	5	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	HUJA	FAEC	UCOP	LEVA	PACA	UNCY	KLSP	STAS	ACSP	DAVU	DACR	PAUN	TEPE	TATR	TISP	TESP
1	30.8	5.8	13.5	5.8	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	37.3	13.0	19.5	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	21.1	11.4	9.7	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
4	17.9	9.7	3.2	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	30.8	4.9	3.2	14.6	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	16.2	9.0	3.6	3.6	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
MEAN	25.7	9.0	8.8	4.5	3.4	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	8.5	3.1	6.7	5.4	3.4	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	3.5	1.3	2.7	2.2	1.4	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 5 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

DATE 8 APR 1981, 1400 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	HUJA	FAEC	LEVA	TATR	UCOP	PAVE	AMSP	HASP	PACA	STAS	UNCY	DACR	ACSP	KLSP	TISP	TESP
1	5	3	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
2	21	6	8	5	0	1	1	0	0	0	0	0	0	0	0	0	0
3	11	6	0	3	1	1	0	0	0	0	0	0	0	0	0	0	0
4	7	4	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0
5	10	4	3	0	1	1	1	0	0	0	0	0	0	0	0	0	0
6	3	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	HUJA	FAEC	LEVA	TATR	UCOP	PAVE	AMSP	HASP	PACA	STAS	UNCY	DACR	ACSP	KLSP	TISP	TESP
1	8.1	4.9	1.6	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	34.1	9.7	13.0	8.1	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	17.9	9.7	0.0	4.9	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	11.4	5.7	1.4	1.4	0.0	0.0	0.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	16.2	6.5	4.9	0.0	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	4.9	0.0	1.6	1.6	1.6	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	15.4	6.1	3.8	2.7	0.8	0.8	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	10.4	3.6	4.8	3.2	0.9	0.9	0.8	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	4.2	1.5	2.0	1.3	0.4	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

DATE 7 MAY 1981, 1245 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM . DEPTH 1 CM

RAW COUNTS

REP	TOTAL	MILI	LEVA	UCOP	FAEC	TATR	HUJA	LECO	UNCY	STAS	DAVU	DACR	PAUN	ACSP	KLSP	TISP	PACA
1	135	68	19	35	14	0	0	0	0	0	0	0	0	0	0	0	0
2	124	57	21	27	4	5	1	1	0	0	0	0	0	0	0	0	0
3	96	44	11	18	17	1	1	0	0	0	0	0	0	0	0	0	0
4	79	33	34	12	3	0	0	0	0	0	0	0	0	0	0	0	0
5	73	26	29	15	0	3	1	0	0	0	0	0	0	0	0	0	0
6	174	53	35	28	6	0	1	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	MILI	LEVA	UCOP	FAEC	TATR	HUJA	LECO	UNCY	STAS	DAVU	DACR	PAUN	ACSP	KLSP	TISP	PACA
1	219.2	109.6	30.6	56.4	22.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	201.3	98.9	36.4	46.9	6.9	8.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	155.8	74.5	18.6	30.5	28.8	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	128.2	51.6	53.2	18.8	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	118.5	41.6	46.4	24.0	0.0	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	282.5	121.7	80.4	64.3	13.8	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	184.3	83.0	44.3	40.1	12.8	2.5	1.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	62.3	32.3	21.4	18.5	11.1	3.5	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	25.4	13.2	8.7	7.5	4.5	1.4	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

DATE 3 JUN 1981, 1230 HRS PST

STATION FF 1

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	UCOP	MILI	LEVA	SCCA	HUJA	TATR	FAEC	SCKN	LECO	HELIL	DACR	PAUN	DAVU	UNCY	TISP	PACA
1	152	47	30	23	7	4	1	0	1	0	0	0	0	0	0	0	0
2	138	40	28	15	6	2	6	2	0	0	1	0	0	0	0	0	0
3	101	26	19	24	26	1	3	0	0	0	0	0	0	0	0	0	0
4	63	20	9	17	7	2	6	0	1	1	0	0	0	0	0	0	0
5	149	43	38	18	9	5	0	0	0	1	0	0	0	0	0	0	0
6	148	28	43	24	11	4	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	UCOP	MILI	LEVA	SCCA	HUJA	TATR	FAEC	SCKN	LECO	HELIL	DACR	PAUN	DAVU	UNCY	TISP	PACA
1	246.8	102.6	65.5	50.2	15.3	8.7	2.2	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	224.0	89.6	62.7	33.6	13.4	4.5	13.4	4.5	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0
3	164.0	43.1	31.5	39.7	43.1	1.7	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	102.3	32.5	14.6	27.6	11.4	3.2	9.7	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	241.9	91.2	80.6	38.2	19.1	10.6	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	240.3	61.2	93.9	52.4	24.0	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	203.2	70.0	58.1	40.3	21.0	6.2	5.1	0.7	0.6	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0
SD	58.2	28.7	29.9	9.6	11.7	3.6	5.5	1.8	1.0	1.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
SE	23.8	11.7	12.2	3.9	4.8	1.5	2.2	0.7	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 6

FRASER FORESHORE; CORE SAMPLES

HARPACTICOID SPECIES

STATION 2 (STEVESTON)

MEIOTAB1: FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
TOTAL	TOTAL
ALSP	ALTEUTHA SP.
AMDI	AMPHIASCOIDES DIMORPHUS
APVE	APOOOPSYLLUS VERMICULIFORMIS
AMNO	AMONARDIA NORMANI
AMUN	AMPHIASCUS UNDOSUS
AMSP	AMPHIASCOIDES SPECIES
AMMI	AMPHIASCUS MINUTUS
AMLO	AMEIRA LONGIPES
AMESP	AMEIRA SPECIES
AMCI	AMPHIASCOPSIS CINCTUS
AMOPE	AMONARDIA PERTURBATA
AMPA	AMEIRA PARVULOIDES
UCOP	COPEPODITE UNIDENTIFIED
CLESP	CLETOCAMPTUS SPECIES
DASP	DACTYLOPODIA SPECIES
DATY	DANIELSENNIA TYPICA
DISP	DIARTHRODES SPECIES
DISPI	DIOSACCUS SPINATUS
DIUN	DIARTHRODES UNISETOSUS
ENSP	ENHYDROSOMA SPECIES
ENHO	ENHYDROSOMA HOPKINSI
ECAR	ECHINOLAOPHONTE ARMIGER
FAEC	FAMILY ECTINOSOMIDAE
HUSP	HUNTEMANNIA SPECIES
HASP	HARPACTICUS SPECIES
HUJA	HUNTEMANNIA JADENSIS

Table 6 (cont'd)

HELIL = HETEROLAOPHONTE LITTORALIS LONGISETIGERA

HEDI = HETEROLAOPHONTE DISCOPHORA

HEHA = HETEROLAOPHONTE HAMONDI

HEVA = HETEROLAOPHONTE VARIABILIS

HASPI = HARPACTICUS SPINULOSUS

LEVA = LEIMIA VAGA

LOAM = LONGIPEDIA AMERICANA

LECO = LEPTASTACUS CONSTRICTUS

LASP = LAOPHONTID SPECIES

LESP = LEPTOCARIS SPECIES

LIBE = LIMNOCLETODES BEHNINGI

MILI = MICROARTHRIDION LITTORALE

MESP = MESOCHRA SPECIES

MISP = MICROSETELLA SPECIES

MIRO = MICROSETELLA ROSEA

MEPY = MESOCHRA PYGMAEA

NISPA = NITOCRA SPINIPES ARMATA

PSES = PSEUDONYCHOCAMPTUS SPINIFER

PAPA = PARALAOPHONTE PACIFICA

PSMI = PSYLLOCAMPTUS MINUTUS

PPLSP = PARAPSEUDOLEPTOMESOCHRA SPECIES

PAVE = PARALEPTASTACUS VERMICULARIS

PRSI = PROAMEIRA SIMPLEX

PAHO = PARASTENHELIA HORNELLI

PASP = PARALEPTASTICUS SPECIES

PACOC = PARALAOPHONTE CONGENERA CONGENERA

PASPI = PARALEPTASTICUS SPINICAUDA

ROPR = ROBERTSONIA PROPINQUA

ROHO = ROBERTGURNEYA HOPKINSI

RODI = ROBERTGURNEYA DIVERSA

Table 6 (cont'd)

SCSP = SCOTTOPSYLLUS SPECIES

SCAR = SCUTELLIDIUM ARTHURI

SCKN = SCHIZOPERA KNABENI

SASP = SARSAMEIRA SPECIES

SCCA = SCOTTOLANA CANADENSIS

STPE = STENHELIA (ST.) PENICULATA

STOB = STENHELIA (D.) OBLONGA

STDSP = STENHELIA (D.) SPECIES

TESP = TEGASTIDAE SPECIES

TISP = TISBE SPECIES

TATR = TACHIDIUS (NEOTACHIDIUS) TRIANGULARIS

TEPE = TEGASTES PERFORATUS

ZASP = ZAUS SPECIES

DACR = DACTYLOPODIA CRASSIPES

DAVU = DACTYLOPODIA VULGARIS

TAIN = TACHIDIUS INCISIPES

STAS = STENHELIA (ST) ASETOSA

KLSP = KLIOPSYLLUS SPECIES

ACSP = ACRENHYDROSOMA SPECIES

ALLA = ALTEUTHA LANGI

RHCU = RHIZOTHRIX CURVATA

PSSP = PSEUDAMEIRA SPECIES

PAUN = PARALEPTASTACUS UNISETOSUS

PACA = PARATHALESTRIS CALIFORNICA

UNCY = UNIDENTIFIED CYLINDROPSYLLIDAE "A"

Table 6 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

DATE 15 APR 1980, 1130 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	UCOP	LECO	MILI	AMSP	KLSP	PPLSP	SCSP	PASPI	STAS	RHCU	PAUN	DAVU	UNCY	TISP	PACA
1	7	3	0	0	1	2	0	1	0	0	0	0	0	0	0	0	0
2	17	11	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0
3	14	5	4	2	0	1	0	0	0	0	0	0	0	0	0	0	0
4	16	11	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
5	16	2	6	2	0	0	3	1	0	0	0	0	0	0	0	0	0
6	15	4	4	3	1	1	0	0	1	1	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	FAEC	UCOP	LECO	MILI	AMSP	KLSP	PPLSP	SCSP	PASPI	STAS	RHCU	PAUN	DAVU	UNCY	TISP	PACA
1	11.4	4.9	0.0	0.0	1.6	3.2	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	27.6	19.0	1.7	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	22.7	9.5	7.6	3.8	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	26.0	19.0	3.5	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	26.0	3.7	11.1	3.7	0.0	0.0	5.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	24.4	6.5	6.5	4.9	1.6	1.6	0.0	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	23.0	10.4	5.1	2.9	1.4	1.1	0.9	0.6	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	5.9	6.9	4.1	2.3	1.3	1.4	2.3	0.9	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	2.4	2.8	1.7	1.0	0.5	0.6	0.9	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 6 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

DATE 15 MAY 1980, 1100 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	LECO	UCOP	FAEC	HUJA	PASPI	RHCU	KLSP	STAS	UNCY	DAVU	DACR	PAUN	ACSP	TATR	TISP	PACA
1	10	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0
2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	6	3	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
5	7	0	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0
6	18	12	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	LECO	UCOP	FAEC	HUJA	PASPI	RHCU	KLSP	STAS	UNCY	DAVU	DACR	PAUN	ACSP	TATR	TISP	PACA
1	16.2	8.1	4.1	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1.6	0.0	1.6	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
3	8.1	8.1	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	0.0
4	9.7	4.9	3.2	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	11.4	0.0	6.5	4.9	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
6	29.2	19.5	4.9	0.0	4.9	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	12.7	6.8	3.4	1.1	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	9.4	7.2	2.3	2.0	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	3.8	2.9	0.9	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 6 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

DATE 27 JUN 1980, 1050 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	PASPI	TATR	UCOP	HUJA	LECO	FAEC	SCCA	RHCU	STAS	UNCY	DACR	PAUN	DAVU	KLSP	TISP	PACA
1	142	71	27	34	1	0	0	0	0	0	0	0	0	0	0	0	0
2	32	0	15	4	4	5	0	0	0	0	0	0	0	0	0	0	0
3	18	7	7	1	2	0	0	1	0	0	0	0	0	0	0	0	0
4	27	4	9	5	5	0	1	0	0	0	0	0	0	0	0	0	0
5	71	14	28	16	4	0	2	0	0	0	0	0	0	0	0	0	0
6	8	1	3	0	4	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	PASPI	TATR	UCOP	HUJA	LECO	FAEC	SCCA	RHCU	STAS	UNCY	DACR	PAUN	DAVU	KLSP	TISP	PACA
1	230.5	123.1	46.8	58.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	51.9	0.0	27.8	7.4	7.4	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	29.2	11.4	11.4	1.6	3.2	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	43.8	7.3	16.4	9.1	9.1	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	115.3	25.2	50.4	28.8	7.2	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	13.0	1.6	4.9	0.0	6.5	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	80.6	28.1	26.3	17.7	5.9	1.5	0.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	81.3	47.4	18.9	22.7	2.8	3.8	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	33.2	19.3	7.7	9.3	1.1	1.5	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 6 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 6 SEP 1980, 920 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	LECO	PASPI	UCOP	KLSP	FAEC	TATR	PAUN	RHCU	STAS	DAVU	DACR	TAIN	ACSP	UNCY	TISP	PACA
1	338	101	13	0	0	1	1	0	0	0	0	0	0	0	0	0	0
2	250	100	10	0	0	3	2	0	0	0	0	0	0	0	0	0	0
3	317	97	10	6	5	0	0	0	0	0	0	0	0	0	0	0	0
4	330	91	10	1	5	3	3	0	0	0	0	0	0	0	0	0	0
5	106	39	32	11	3	1	3	0	0	0	0	0	0	0	0	0	0
6	165	68	25	10	7	3	1	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	LECO	PASPI	UCOP	KLSP	FAEC	TATR	PAUN	RHCU	STAS	DAVU	DACR	TAIN	ACSP	UNCY	TISP	PACA
1	548.7	477.7	61.5	0.0	0.0	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	405.8	352.9	35.3	0.0	0.0	10.6	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	514.6	423.0	43.6	26.2	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	535.7	431.4	47.4	4.7	23.7	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	172.1	75.4	61.9	21.3	5.8	1.9	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	267.9	159.8	58.7	23.5	16.4	7.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	407.5	320.0	51.4	12.6	11.3	6.4	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	156.7	164.0	11.0	12.3	10.7	5.3	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	64.0	67.0	4.5	5.0	4.4	2.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 6 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES: HARPACTICOID SPECIES

DATE 23 SEP 1980, 1010 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	LECO	PASPI	UCOP	KLSP	FAEC	TATR	PAUN	RHCU	STAS	DAVU	DACR	TAIN	ACSP	UNCY	TISP	PACA
1	31	1	17	3	0	4	1	0	0	0	0	0	0	0	0	0	0
2	88	45	24	15	2	2	0	0	0	0	0	0	0	0	0	0	0
3	56	16	15	14	0	1	1	0	0	0	0	0	0	0	0	0	0
4	30	3	17	6	0	0	0	0	0	0	0	0	0	0	0	0	0
5	434	90	7	8	6	1	0	0	0	0	0	0	0	0	0	0	0
6	198	99	7	6	2	4	1	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	LECO	PASPI	UCOP	KLSP	FAEC	TATR	PAUN	RHCU	STAS	DAVU	DACR	TAIN	ACSP	UNCY	TISP	PACA
1	50.3	1.9	32.9	5.8	0.0	7.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	142.9	73.1	39.0	24.4	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	90.9	30.9	29.0	27.1	0.0	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	48.7	5.6	31.8	11.2	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
5	704.5	566.2	44.0	50.3	37.7	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	321.4	267.4	18.9	16.2	5.4	10.8	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	226.5	157.5	32.6	22.5	7.7	5.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	255.2	223.4	8.6	15.8	14.9	4.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	104.2	91.2	3.5	6.4	6.1	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 6 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 29 OCT 1980, 205 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	LECO	PASPI	KLSP	UCOP	FAEC	TATR	HUJA	RHCU	STAS	DAVU	DACR	PAUN	ACSP	UNCY	TISP	PACA
1	35	20	3	1	2	2	0	1	0	0	0	0	0	0	0	0	0
2	48	25	2	8	7	2	2	0	0	0	0	0	0	0	0	0	0
3	32	11	5	3	3	3	1	0	0	0	0	0	0	0	0	0	0
4	42	11	5	10	8	1	0	0	0	0	0	0	0	0	0	0	0
5	35	3	22	1	1	2	4	0	0	0	0	0	0	0	0	0	0
6	62	20	13	17	6	4	3	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	LECO	PASPI	KLSP	UCOP	FAEC	TATR	HUJA	RHCU	STAS	DAVU	DACR	PAUN	ACSP	UNCY	TISP	PACA
1	56.8	39.2	5.9	2.0	3.9	3.9	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	77.9	42.3	3.4	13.6	11.9	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	51.9	22.0	10.0	6.0	6.0	6.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	68.2	21.4	9.7	19.5	15.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	56.8	5.2	37.9	1.7	1.7	3.4	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	100.6	32.0	20.8	27.2	9.6	6.4	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	68.7	27.0	14.6	11.6	8.1	4.2	2.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	18.3	13.7	12.9	10.3	5.2	1.7	2.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	7.5	5.6	5.2	4.2	2.1	0.7	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 6 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

DATE 10 DEC 1980, 115 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM . DEPTH 1 CM

RAW COUNTS

REP	TOTAL	PASPI	FAEC	UCOP	KLSP	LECO	RHCU	PAUN	UNCY	STAS	DAVU	DACR	TAIN	ACSP	TATR	TISP	PACA
1	12	2	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0
2	11	2	4	1	1	3	0	0	0	0	0	0	0	0	0	0	0
3	12	5	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
4	10	0	3	3	1	2	0	0	0	0	0	0	0	0	0	0	0
5	7	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
6	22	2	3	5	4	5	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	PASPI	FAEC	UCOP	KLSP	LECO	RHCU	PAUN	UNCY	STAS	DAVU	DACR	TAIN	ACSP	TATR	TISP	PACA
1	19.5	5.6	5.6	2.8	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	17.9	3.2	6.5	1.6	1.6	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	19.5	12.2	2.4	4.9	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
4	16.2	0.0	5.4	5.4	1.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	11.4	5.7	0.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	35.7	3.8	5.6	9.4	7.5	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	20.0	5.1	4.3	4.0	3.7	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	8.3	4.0	2.5	3.3	3.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	3.4	1.7	1.0	1.4	1.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 6 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 19 JAN 1981, 2255 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	KLSP	UCOP	LECO	PASPI	RHCU	PAUN	UNCY	STAS	DAVU	DACR	TAIN	ACSP	TATR	TISP	PACA
1	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	14	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	6	2	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0
4	20	2	10	2	2	0	0	0	0	0	0	0	0	0	0	0	0
5	10	4	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0
6	5	3	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	FAEC	KLSP	UCOP	LECO	PASPI	RHCU	PAUN	UNCY	STAS	DAVU	DACR	TAIN	ACSP	TATR	TISP	PACA
1	4.9	2.4	0.0	2.4	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
2	22.7	22.7	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	0.0
3	9.7	3.2	0.0	1.6	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	32.5	4.1	20.3	4.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	16.2	6.5	1.6	3.2	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	8.1	4.9	0.0	0.0	3.2	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	15.7	7.3	3.7	1.9	1.8	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	10.4	7.7	8.2	1.7	1.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	4.2	3.1	3.3	0.7	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 6 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

DATE 4 MAR 1981, 2225 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	LECO	KLSP	PASPI	UCOP	RHCU	PAUN	UNCY	STAS	DAVU	DACR	TAIN	ACSP	TATR	TISP	PACA
1	21	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	34	29	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0
3	24	19	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0
4	16	7	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0
5	13	7	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0
6	58	27	28	2	1	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	FAEC	LECO	KLSP	PASPI	UCOP	RHCU	PAUN	UNCY	STAS	DAVU	DACR	TAIN	ACSP	TATR	TISP	PACA
1	34.1	34.1	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	0.0
2	55.2	47.1	3.2	4.9	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
3	39.0	30.8	3.2	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	26.0	12.1	6.9	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	21.1	11.4	1.6	6.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	94.2	43.8	45.5	3.2	1.6	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	44.9	29.9	10.1	3.6	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	26.9	15.3	17.5	2.4	0.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	11.0	6.2	7.1	1.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 6 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

DATE 17 FEB 1981, 2300 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	KLSP	PASPI	UCOP	LECO	HUJA	FAEC	RHCU	UNCY	STAS	DAVU	DACR	PAUN	ACSP	TATR	TISP	PACA
1	25	19	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2	36	21	7	1	1	1	0	0	0	0	0	0	0	0	0	0	0
3	5	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
4	18	2	13	2	0	0	0	0	0	0	0	0	0	0	0	0	0
5	10	2	3	3	0	0	1	0	0	0	0	0	0	0	0	0	0
6	23	3	8	3	4	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	KLSP	PASPI	UCOP	LECO	HUJA	FAEC	RHCU	UNCY	STAS	DAVU	DACR	PAUN	ACSP	TATR	TISP	PACA
1	40.6	35.1	1.8	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	58.4	39.6	13.2	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	8.1	2.0	4.1	2.0	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
4	29.2	3.4	22.3	3.4	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
5	16.2	3.6	5.4	5.4	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	37.3	6.2	16.6	6.2	8.3	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	31.7	15.0	10.6	3.2	2.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	18.0	17.4	8.1	2.3	3.3	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	7.4	7.1	3.3	1.0	1.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 6 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

DATE 5 MAY 1981, 1300 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	KLSP	LECO	PASPI	FAEC	UCOP	TATR	HUJA	AMSP	LEVA	HASP	STAS	DACR	PAUN	UNCY	TISP	PACA
1	58	29	11	1	2	6	5	0	1	0	0	0	0	0	0	0	0
2	57	21	22	0	4	7	0	0	2	1	0	0	0	0	0	0	0
3	21	5	5	1	2	2	5	0	0	0	0	0	0	0	0	0	0
4	22	2	3	6	7	0	3	0	0	0	0	0	0	0	0	0	0
5	64	8	13	16	4	4	10	2	1	0	0	0	0	0	0	0	0
6	52	22	16	1	5	5	0	2	0	0	1	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	KLSP	LECO	PASPI	FAEC	UCOP	TATR	HUJA	AMSP	LEVA	HASP	STAS	DACR	PAUN	UNCY	TISP	PACA
1	94.2	49.6	18.8	1.7	3.4	10.3	8.6	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	92.5	34.1	35.7	0.0	6.5	11.4	0.0	0.0	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	34.1	8.5	8.5	1.7	3.4	3.4	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	35.7	3.4	5.1	10.2	11.9	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	103.9	14.3	23.3	28.7	7.2	7.2	17.9	3.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	84.4	35.7	26.0	1.6	8.1	8.1	0.0	3.2	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	74.1	24.3	19.6	7.3	6.8	6.7	6.7	1.1	1.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
SD	31.0	18.2	11.4	11.1	3.2	4.3	6.7	1.8	1.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
SE	12.7	7.4	4.6	4.5	1.3	1.8	2.7	0.7	0.6	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0

Table 6 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 5 JUN 1981, 1050 HRS PST

STATION FF 2

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	PASPI	LECO	UCOP	HUJA	KLSP	TATR	FAEC	RHCU	STAS	DAVU	DACR	PAUN	ACSP	UNCY	TISP	PACA
1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
2	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
3	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
4	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	4	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
6	12	5	3	1	1	1	1	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	PASPI	LECO	UCOP	HUJA	KLSP	TATR	FAEC	RHCU	STAS	DAVU	DACR	PAUN	ACSP	UNCY	TISP	PACA
1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	3.2	1.6	0.0	1.6	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
3	3.2	0.0	0.0	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	6.5	3.2	3.2	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
5	6.5	3.2	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	19.5	8.1	4.9	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	6.8	2.7	1.6	0.8	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	6.5	3.0	2.1	0.9	0.8	0.8	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	2.7	1.2	0.8	0.4	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 7

FRASER FORESHORE; CORE SAMPLES

HARPACTICOID SPECIES

STATION 3 (ROBERTS BANK)

MEIOTAB1: FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
TOTAL	TOTAL
ALSP	ALTEUTHA SP.
AMDI	AMPHIASCOIDES DIMORPHUS
APVE	APODOPSYLLUS VERMICULIFORMIS
AMNO	AMONARDIA NORMANI
AMUN	AMPHIASCUS UNDOSUS
AMSP	AMPHIASCOIDES SPECIES
AMMI	AMPHIASCUS MINUTUS
AMLO	AMEIRA LONGIPES
AMESP	AMEIRA SPECIES
AMCI	AMPHIASCOPSIS CINCTUS
AMOPE	AMONARDIA PERTURBATA
AMPA	AMEIRA PARVULOIDES
UCOP	COPEPODITE UNIDENTIFIED
CLESP	CLETOCAMPTUS SPECIES
DASP	DACTYLOPODIA SPECIES
DATY	DANIELSENNIA TYPICA
DISP	DIARTHRODES SPECIES
DISPI	DIOSACCUS SPINATUS
DIUN	DIARTHRODES UNISETOSUS
ENSP	ENHYDROSOMA SPECIES.
ENHO	ENHYDROSOMA HOPKINSI
ECAR	ECHINOLAOPHONTE ARMIGER
FAEC	FAMILY ECTINOSOMIDAE
HUSP	HUNTEMANNIA SPECIES
HASP	HARPACTICUS SPECIES
HUJA	HUNTEMANNIA JADENSIS

Table 7 (cont'd)

HELIL = HETEROLAOPHONTE LITTORALIS LONGISETIGERA

HEDI = HETEROLAOPHONTE DISCOPHORA

HEHA = HETEROLAOPHONTE HAMONDI

HEVA = HETEROLAOPHONTE VARIABILIS

HASPI = HARPACTICUS SPINULOSUS

LEVA = LEIMIA VAGA

LOAM = LONGIPEOIA AMERICANA

LECO = LEPTASTACUS CONSTRICTUS

LASP = LAOPHONTID SPECIES

LESP = LEPTOCARIS SPECIES

LIBE = LIMNOCLETODES BEHNINGI

MILI = MICROARTHRIDION LITTORALE

MESP = MESOCHRA SPECIES

MISP = MICROSETELLA SPECIES

MIRO = MICROSETELLA ROSEA

MEPY = MESOCHRA PYGMAEA

NISPA = NITOCRA SPINIPES ARMATA

PSES = PSEUDONYCHOCAMPTUS SPINIFER

PAPA = PARALAOPHONTE PACIFICA

PSMI = PSYLLOCAMPTUS MINUTUS

PPLSP = PARAPSEUDOLEPTOMESOCHRA SPECIES

PAVE = PARALEPTASTACUS VERMICULARIS

PRSI = PROAMEIRA SIMPLEX

PAHO = PARASTENHELIA HORNELLI

PASP = PARALEPTASTICUS SPECIES

PACOC = PARALAOPHONTE CONGENERA CONGENERA

PASPI = PARALEPTASTICUS SPINICAUDA

ROPR = ROBERTSONIA PROPINQUA

ROHO = ROBERTGURNEYA HOPKINSI

RODI = ROBERTGURNEYA DIVERSA

Table 7 (cont'd)

SCSP = SCOTTOPSYLLUS SPECIES

SCAR = SCUTELLIOIUM ARTHURI

SCKN = SCHIZOPERA KNABENI

SASP = SARSAMEIRA SPECIES

SCCA = SCOTTOLANA CANADENSIS

STPE = STENHELIA (ST.) PENICULATA

STOB = STENHELIA (O.) OBLONGA

STDSP = STENHELIA (O.) SPECIES

TESP = TEGASTIDAE SPECIES

TISP = TISBE SPECIES

TATR = TACHIDIUS (NEOTACHIDIUS) TRIANGULARIS

TEPE = TEGASTES PERFORATUS

ZASP = ZAUS SPECIES

OACR = DACTYLOPODIA CRASSIPES

DAVU = DACTYLOPODIA VULGARIS

TAIN = TACHIDIUS INCISIPES

STAS = STENHELIA (ST) ASETOSA

KLSP = KLIOPSYLLUS SPECIES

ACSP = ACRENHYDROSOMA SPECIES

ALLA = ALTEUTHA LANGI

RHCU = RHIZOTHRIX CURVATA

PSSP = PSEUDAMEIRA SPECIES

PAUN = PARALEPTASTACUS UNISETOSUS

PACA = PARATHALESTRIS CALIFORNICA

UNCY = UNIDENTIFIED CYLINDROPSYLLIDAE "A"

Table 7 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES; HARPACTICOID SPECIES

DATE 16 APR 1980, 1225 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	DATY	FAEC	UCOP	DASP	LOAM	ENHO	MILI	LECO	LASP	AMSP	APVE	TISP	HUJA	AMUN	AMLO	PRSI
1	60	25	13	8	3	2	0	2	0	1	2	0	0	1	1	0	0
2	47	16	7	15	1	2	4	0	1	0	0	1	2	0	0	0	0
3	29	16	7	2	0	0	0	0	1	0	1	0	0	1	0	0	0
4	58	16	12	13	7	3	0	1	1	1	0	1	1	0	0	1	0
5	48	12	10	10	4	1	4	2	1	2	0	1	0	0	0	0	1
6	58	23	14	12	3	2	0	0	1	0	0	0	0	0	0	0	0

RAW COUNTS

REP	ACSP	ROHO	STPE	STAS	UNCY	SCKN	SCAR	KLSP	RHCU	DACR	SCCA	SASP	TATR	PASP	TAIN	RODI	PAVE
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 7 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 16 APR 1980, 1225 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

NUMBERS PER 10.00 SQ CM

REP	TOTAL	DATY	FAEC	UCOP	DASP	LOAM	ENHO	MILI	LECO	LASP	AMSP	APVE	TISP	HUJA	AMUN	AMLO	PRSI
1	97.4	42.0	21.8	13.4	5.0	3.4	0.0	3.4	0.0	1.7	3.4	0.0	0.0	1.7	1.7	0.0	0.0
2	76.3	24.4	10.7	22.9	1.5	3.1	6.1	0.0	1.5	0.0	0.0	1.5	3.1	0.0	0.0	0.0	0.0
3	47.1	26.9	11.8	3.4	0.0	0.0	0.0	0.0	1.7	0.0	1.7	0.0	0.0	1.7	0.0	0.0	0.0
4	94.2	26.4	19.8	21.5	11.6	5.0	0.0	1.7	1.7	1.7	0.0	1.7	1.7	0.0	0.0	1.7	0.0
5	77.9	19.1	15.9	15.9	6.4	1.6	6.4	3.2	1.6	3.2	0.0	1.6	0.0	0.0	0.0	0.0	1.6
6	94.2	39.4	24.0	20.5	5.1	3.4	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	81.2	29.7	17.3	16.3	4.9	2.7	2.1	1.4	1.4	1.1	0.8	0.8	0.8	0.6	0.3	0.3	0.3
SD	19.0	9.0	5.4	7.3	4.0	1.7	3.2	1.6	0.7	1.3	1.4	0.9	1.3	0.9	0.7	0.7	0.6
SE	7.7	3.7	2.2	3.0	1.7	0.7	1.3	0.7	0.3	0.5	0.6	0.4	0.5	0.4	0.3	0.3	0.3

NUMBERS PER 10.00 SQ CM

REP	ACSP	ROHO	STPE	STAS	UNCY	SCKN	SCAR	KLSP	RHCU	DACR	SCCA	SASP	TATR	PASP	TAIN	RODI	PAVE
1	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	0.0	0.0	0.0
2	0.0	1.5	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	0.0
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	0.0	0.0	0.0	0.0	0.0
4	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	0.0	0.0	0.0
5	1.6	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	0.0	0.0
6	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	0.0	0.0	0.0
MEAN	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.6	0.6	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	0.0
SE	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 14 MAY 1980, 1110 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	UCOP	DASP	DATY	HASP	LOAM	AMSP	MILI	DISP	LECO	STPE	ROHO	STOB	LASP	ENHO	HEDI
1	185	57	61	15	9	4	10	0	0	1	0	0	0	0	0	0	0
2	161	32	44	17	10	3	4	8	9	4	0	1	3	2	2	2	0
3	143	53	41	11	9	3	2	5	0	0	7	2	0	0	1	0	0
4	123	49	36	8	13	4	1	5	0	1	0	0	0	0	0	0	0
5	229	86	66	15	17	8	11	3	0	0	0	2	3	1	0	1	1
6	221	56	43	32	10	10	0	4	2	2	0	1	0	1	1	0	1

RAW COUNTS

REP	PAPA	TATR	AMPA	HUJA	APVE	PRSI	PSMI	MEPY	ZASP	AMUN	DACR	UNCY	KLSP	SCAR	TAIN	DAVU	PAVE
1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2	0	2	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0
3	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0
4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
5	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
6	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0

Table 7 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 14 MAY 1980, 1110 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

NUMBERS PER 10.00 SQ CM

REP	TOTAL	FAEC	UCOP	DASP	DATY	HASP	LOAM	AMSP	MILI	DISP	LECO	STPE	ROHO	STOB	LASP	ENHO	HEDI
1	300.3	108.3	115.9	28.5	17.1	7.6	19.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	261.4	56.9	78.2	30.2	17.8	5.3	7.1	14.2	16.0	7.1	0.0	1.8	5.3	3.6	3.6	3.6	0.0
3	232.1	89.2	69.0	18.5	15.1	5.0	3.4	8.4	0.0	0.0	11.8	3.4	0.0	0.0	1.7	0.0	0.0
4	199.7	82.2	60.4	13.4	21.8	6.7	1.7	8.4	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	371.8	148.0	113.6	25.8	29.3	13.8	18.9	5.2	0.0	0.0	0.0	3.4	5.2	1.7	0.0	1.7	1.7
6	358.8	121.8	93.5	69.6	21.7	21.7	0.0	8.7	4.3	4.3	0.0	2.2	0.0	2.2	2.2	0.0	2.2
MEAN	287.3	101.1	88.4	31.0	20.5	10.0	8.3	7.5	3.4	2.5	2.0	1.8	1.7	1.2	1.2	0.9	0.6
SD	69.0	32.0	23.2	19.9	5.1	6.6	8.6	4.7	6.4	2.8	4.8	1.5	2.7	1.5	1.5	1.5	1.0
SE	28.2	13.1	9.5	8.1	2.1	2.7	3.5	1.9	2.6	1.1	2.0	0.6	1.1	0.6	0.6	0.6	0.4

NUMBERS PER 10.00 SQ CM

REP	PAPA	TATR	AMPA	HUJA	APVE	PRSI	PSMI	MEPY	ZASP	AMUN	DACR	UNCY	KLSP	SCAR	TAIN	DAVU	PAVE
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	3.6	1.8	1.8	1.8	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	1.7	1.7	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	1.7	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	1.7	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	2.2	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
MEAN	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	1.0	1.5	0.9	0.9	0.9	0.9	1.4	0.9	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.4	0.6	0.4	0.4	0.4	0.4	0.6	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

DATE 28 JUN 1980. 1115 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM . DEPTH 1 CM

RAW COUNTS

REP	TOTAL	UCOP	TATR	FAEC	AMSP	LASP	DASP	HUJA	MILI	AMPA	DATY	TISP	PAPA	HEDI	STPE	DAVU	PACA
1	92	50	1	8	9	2	0	0	0	0	0	1	1	0	0	0	0
2	177	102	23	36	5	0	4	2	0	0	0	0	0	0	0	0	0
3	701	137	31	12	5	1	0	1	0	1	1	0	0	0	0	0	0
4	66	22	6	17	1	8	2	4	1	2	1	0	0	1	0	0	0
5	579	73	17	13	1	0	1	0	1	0	0	0	0	0	0	0	0
6	55	28	14	10	0	0	0	1	0	0	1	0	0	0	1	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	UCOP	TATR	FAEC	AMSP	LASP	DASP	HUJA	MILI	AMPA	DATY	TISP	PAPA	HEDI	STPE	DAVU	PACA
1	149.4	103.7	2.1	16.6	18.7	4.1	0.0	0.0	0.0	0.0	0.0	2.1	2.1	0.0	0.0	0.0	0.0
2	287.3	170.4	38.4	60.1	8.4	0.0	6.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	1138.0	824.9	186.7	72.3	30.1	6.0	0.0	6.0	0.0	6.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
4	107.1	36.3	9.9	28.0	1.6	13.2	3.3	6.6	1.6	3.3	1.6	0.0	0.0	1.6	0.0	0.0	0.0
5	939.9	647.3	150.7	115.3	8.9	0.0	8.9	0.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	89.3	45.5	22.7	16.2	0.0	0.0	0.0	1.6	0.0	0.0	1.6	0.0	0.0	0.0	1.6	0.0	0.0
MEAN	451.8	304.7	68.4	51.4	11.3	3.9	3.1	2.9	1.8	1.6	1.5	0.3	0.3	0.3	0.3	0.0	0.0
SD	464.3	342.3	79.5	39.0	11.3	5.2	3.9	2.9	3.5	2.6	2.3	0.8	0.8	0.7	0.7	0.0	0.0
SE	189.5	139.7	32.4	15.9	4.6	2.1	1.6	1.2	1.4	1.0	1.0	0.3	0.3	0.3	0.3	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

DATE 5 SEP 1980, 825 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	UCOP	AMUN	LASP	AMPA	AMSP	PAHO	TISP	DASP	PACOC	MEPY	ROHO	FAEC	AMNO	NISPA	HUJA	DISP
1	30	13	2	4	0	3	0	0	0	1	1	0	0	2	1	0	0
2	42	26	4	5	2	1	2	0	0	0	1	0	0	0	0	0	1
3	21	12	2	3	1	2	0	0	0	0	0	0	0	0	0	0	0
4	42	23	5	3	5	1	3	0	0	0	0	0	0	0	1	0	0
5	203	120	38	7	10	3	1	5	3	2	1	3	3	0	0	1	0
6	21	9	4	0	4	0	3	0	1	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	UCOP	AMUN	LASP	AMPA	AMSP	PAHO	TISP	DASP	PACOC	MEPY	ROHO	FAEC	AMNO	NISPA	HUJA	DISP
1	48.7	23.4	3.6	7.2	0.0	5.4	0.0	0.0	0.0	1.8	1.8	0.0	0.0	3.6	1.8	0.0	0.0
2	68.2	42.2	6.5	8.1	3.2	1.6	3.2	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	1.6
3	34.1	20.5	3.4	5.1	1.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	68.2	38.2	8.3	5.0	8.3	1.7	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0
5	329.5	200.7	63.6	11.7	16.7	5.0	1.7	8.4	5.0	3.3	1.7	5.0	5.0	0.0	0.0	1.7	0.0
6	34.1	14.6	6.5	0.0	6.5	0.0	4.9	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	97.1	56.6	15.3	6.2	6.1	2.9	2.5	1.4	1.1	0.9	0.8	0.8	0.8	0.6	0.6	0.3	0.3
SD	114.9	71.4	23.7	3.9	6.0	2.1	2.3	3.4	2.0	1.4	0.9	2.0	2.0	1.5	0.9	0.7	0.7
SE	46.9	29.1	9.7	1.6	2.5	0.9	0.9	1.4	0.8	0.6	0.4	0.8	0.8	0.6	0.4	0.3	0.3

Table 7 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 23 SEP 1980, 1010 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	UCOP	MEPY	AMUN	AMSP	HASP	FAEC	DISP	AMPA	DASP	LASP	HEVA	PAHO	AMNO	DATY	LOAM	LECO
1	1293	100	46	16	38	16	24	13	9	9	3	9	6	1	2	2	0
2	1009	75	43	21	14	2	3	10	10	7	3	3	0	3	0	1	1
3	558	76	15	15	9	28	13	7	12	14	3	2	4	2	3	0	0
4	679	89	21	30	7	3	3	10	11	11	6	0	2	1	4	0	0
5	322	71	10	8	15	20	6	8	14	9	7	1	5	2	3	1	6
6	658	107	20	21	9	6	10	10	4	0	5	0	2	6	0	0	0

RAW COUNTS

REP	PACOC	PAPA	AMOPE	TISP	HUJA	TATR	ALLA	ROHO	AMMI	RHCU	SCAR	PASPI	STPE	PASP	TAIN	DAVU	PAVE
1	0	1	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0
2	0	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
4	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 7 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 23 SEP 1980, 1010 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

NUMBERS PER 10.00 SQ CM

REP	TOTAL	UCOP	MEPY	AMUN	AMSP	HASP	FAEC	DISP	AMPA	DASP	LASP	HEVA	PAHO	AMNO	DATY	LOAM	LECO
1	2099.0	704.4	324.0	112.7	267.7	112.7	169.0	91.6	63.4	63.4	21.1	63.4	42.3	7.0	14.1	14.1	0.0
2	1638.0	614.2	352.2	172.0	114.7	16.4	24.6	81.9	81.9	57.3	24.6	24.6	0.0	24.6	0.0	8.2	8.2
3	905.8	337.5	66.6	66.6	40.0	124.3	57.7	31.1	53.3	62.2	13.3	8.9	17.8	8.9	13.3	0.0	0.0
4	1102.3	490.5	115.7	165.3	38.6	16.5	16.5	55.1	60.6	60.6	33.1	0.0	11.0	5.5	22.0	0.0	0.0
5	522.7	199.5	28.1	22.5	42.2	56.2	16.9	22.5	39.3	25.3	19.7	2.8	14.1	5.6	8.4	2.8	16.9
6	1068.2	560.3	104.7	110.0	47.1	31.4	52.4	52.4	20.9	0.0	26.2	0.0	10.5	31.4	0.0	0.0	0.0
MEAN	1222.7	484.4	165.2	108.2	91.7	59.6	56.2	55.8	53.2	44.8	23.0	16.6	15.9	13.8	9.6	4.2	4.2
SD	560.2	186.4	137.7	57.3	91.0	48.0	58.1	27.2	21.0	26.2	6.7	24.7	14.2	11.2	8.7	5.8	7.0
SE	228.7	76.1	56.2	23.4	37.2	19.6	23.7	11.1	8.6	10.7	2.7	10.1	5.8	4.6	3.5	2.4	2.9

NUMBERS PER 10.00 SQ CM

REP	PACOC	PAPA	AMOPE	TISP	HUJA	TATR	ALLA	ROHO	AMMI	RHCU	SCAR	PASPI	STPE	PASP	TAIN	DAVU	PAVE
1	0.0	7.0	14.1	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	8.2	0.0	0.0	8.2	8.2	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	5.5	0.0	0.0	5.5	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
5	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	0.0	0.0	0.0
6	15.7	0.0	0.0	5.2	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
MEAN	3.5	2.5	2.3	1.8	1.4	1.4	1.4	1.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	6.4	3.9	5.8	2.8	3.3	3.3	3.3	2.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	2.6	1.6	2.3	1.1	1.4	1.4	1.4	1.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 28 OCT 1980, 205 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	UCOP	DATY	HEVA	HASP	PAHO	PACA	RHCU	STAS	TAIN	KLSP	DACR	ZASP	ACSP	TATR	TISP	TESP
1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	6	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
3	10	5	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0
4	7	4	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
5	7	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	9	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	UCOP	DATY	HEVA	HASP	PAHO	PACA	RHCU	STAS	TAIN	KLSP	DACR	ZASP	ACSP	TATR	TISP	TESP
1	4.9	3.2	1.6	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
2	9.7	8.1	0.0	1.6	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
3	16.2	8.1	3.2	3.2	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	11.4	6.5	3.2	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	11.4	9.7	1.6	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
6	14.6	9.7	4.9	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
MEAN	11.4	7.6	2.4	0.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	4.0	2.4	1.7	1.4	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	1.6	1.0	0.7	0.6	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

DATE 17 NOV 1980, 600 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	UCOP	DASP	LASP	PACA	PAUN	ACSP	KLSP	STAS	TAIN	DAVU	RHCU	ZASP	TEPE	TATR	UNCY	TESP
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	3	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	UCOP	DASP	LASP	PACA	PAUN	ACSP	KLSP	STAS	TAIN	DAVU	RHCU	ZASP	TEPE	TATR	UNCY	TESP
1	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	0.0	0.0	0.0
2	1.6	1.6	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	0.0
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	0.0	0.0	0.0	0.0	0.0
4	4.9	3.2	0.0	1.6	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
5	1.6	1.6	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	0.0
6	1.6	0.0	1.6	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
MEAN	1.6	1.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	1.8	1.3	0.7	0.7	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	0.7	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 9 DEC 1980, 15 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	AMSP	UCOP	MEPY	LASP	DISP	AMPA	AMUN	DASP	HUJA	PAPA	ROHO	PRSI	DATY	ENHO	PACOC
1	114	20	28	13	9	2	5	1	1	1	1	3	4	1	1	0	0
2	65	17	13	3	7	1	6	3	3	2	0	1	1	0	0	1	0
3	71	11	8	8	5	8	7	3	4	1	5	0	0	0	1	0	2
4	49	10	4	3	0	9	0	0	0	1	1	0	1	0	1	3	0
5	76	24	11	7	7	0	3	2	3	0	1	3	2	4	0	0	1
6	85	12	14	11	15	14	0	3	0	6	2	3	0	1	2	0	0

RAW COUNTS

REP	TESP	STOB	HEVA	PSMI	STDSP	AMNO	AMCI	ROPR	RHCU	PSSP	LOAM	PAHO	DAVU	SCAR	UNCY	RODI	DACR
1	0	2	2	0	0	0	1	1	1	0	0	0	0	0	0	0	0
2	0	0	0	0	1	2	0	0	0	0	1	0	0	0	0	0	0
3	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
6	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

Table 7 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 9 DEC 1980, 15 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

NUMBERS PER 10.00 SQ CM

REP	TOTAL	FAEC	AMSP	UCOP	MEPY	LASP	DISP	AMPA	AMUN	DASP	HUJA	PAPA	ROHO	PRSI	DATY	ENHO	PACOC
1	185.1	38.2	53.4	24.8	17.2	3.8	9.5	1.9	1.9	1.9	1.9	5.7	7.6	1.9	1.9	0.0	0.0
2	105.5	28.9	22.1	5.1	11.9	1.7	10.2	5.1	5.1	3.4	0.0	1.7	1.7	0.0	0.0	1.7	0.0
3	115.3	19.2	14.0	14.0	8.7	14.0	12.2	5.2	7.0	1.7	8.7	0.0	0.0	0.0	1.7	0.0	3.5
4	79.5	24.1	9.6	7.2	0.0	21.7	0.0	0.0	0.0	2.4	2.4	0.0	2.4	0.0	2.4	7.2	0.0
5	123.4	41.7	19.1	12.2	12.2	0.0	5.2	3.5	5.2	0.0	1.7	5.2	3.5	7.0	0.0	0.0	1.7
6	138.0	19.5	22.7	17.9	24.4	22.7	0.0	4.9	0.0	9.7	3.2	4.9	0.0	1.6	3.2	0.0	0.0
MEAN	124.5	28.6	23.5	13.5	12.4	10.7	6.2	3.4	3.2	3.2	3.0	2.9	2.5	1.7	1.6	1.5	0.9
SD	35.5	9.5	15.5	7.2	8.2	10.2	5.3	2.1	3.0	3.4	3.0	2.7	2.8	2.7	1.3	2.9	1.5
SE	14.5	3.9	6.3	2.9	3.3	4.2	2.2	0.9	1.2	1.4	1.2	1.1	1.2	1.1	0.5	1.2	0.6

NUMBERS PER 10.00 SQ CM

REP	TESP	STOB	HEVA	PSMI	STDSP	AMNO	AMCI	ROPR	RHCU	PSSP	LOAM	PAHO	DAVU	SCAR	UNCY	RODI	DACR
1	0.0	3.8	3.8	0.0	0.0	0.0	1.9	1.9	1.9	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	1.7	3.4	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	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	0.0	0.0	0.0
5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0
MEAN	0.8	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
SD	1.4	1.6	1.6	1.4	0.9	1.4	0.8	0.8	0.8	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0
SE	0.6	0.6	0.6	0.6	0.4	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 22 JAN 1981, 25 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	UCOP	UNCY	FAEC	AMSP	PASPI	TESP	PAUN	AMMI	LECO	STAS	RHCU	TAIN	KLSP	TATR	TISP	PACA
1	5	2	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0
2	15	8	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0
3	6	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	5	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
5	6	1	1	3	0	0	0	1	0	0	0	0	0	0	0	0	0
6	10	6	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	UCOP	UNCY	FAEC	AMSP	PASPI	TESP	PAUN	AMMI	LECO	STAS	RHCU	TAIN	KLSP	TATR	TISP	PACA
1	8.1	3.2	1.6	0.0	0.0	0.0	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	24.4	15.0	3.7	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	9.7	4.9	4.9	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
4	8.1	2.7	2.7	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	9.7	1.6	1.6	4.9	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	16.2	9.7	4.9	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	12.7	6.2	3.2	1.1	0.8	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	6.4	5.2	1.5	2.0	1.2	0.8	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	2.6	2.1	0.6	0.8	0.5	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES; HARPACTICOID SPECIES

DATE 16 FEB 1981, 2115 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	UCOP	LASP	AMMI	DASP	PACA	ACSP	KLSP	PAUN	TAIN	DAVU	STAS	ZASP	TEPE	TATR	UNCY	TESP
1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	UCOP	LASP	AMMI	DASP	PACA	ACSP	KLSP	PAUN	TAIN	DAVU	STAS	ZASP	TEPE	TATR	UNCY	TESP
1	3.2	3.2	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	0.0
2	3.2	1.6	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	3.2	1.6	1.6	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
4	1.6	1.6	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	0.0
5	3.2	1.6	0.0	1.6	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
6	6.5	4.9	1.6	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
MEAN	3.5	2.4	0.5	0.3	0.3	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	1.6	1.4	0.8	0.7	0.7	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	0.7	0.6	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 5 MAR 1981, 2230 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	DASP	DATY	ROHO	UCOP	AMSP	FAEC	AMPA	LOAM	HUJA	MEPY	LECO	PACA	APVE	DISP	AMMI	UNCY
1	22	5	4	6	2	2	0	0	1	2	0	0	0	1	1	1	0
2	5	0	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0
3	10	3	2	1	0	0	1	5	0	0	0	0	0	0	0	0	0
4	33	19	5	0	3	3	2	0	1	0	0	0	0	0	0	0	0
5	18	5	2	2	3	1	1	0	1	1	1	2	0	0	0	0	0
6	9	3	1	3	0	0	0	0	0	0	1	0	1	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	DASP	DATY	ROHO	UCOP	AMSP	FAEC	AMPA	LOAM	HUJA	MEPY	LECO	PACA	APVE	DISP	AMMI	UNCY
1	35.7	7.1	5.7	8.6	2.9	2.9	0.0	0.0	1.4	2.9	0.0	0.0	0.0	1.4	1.4	1.4	0.0
2	8.1	0.0	4.1	0.0	0.0	0.0	2.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	16.2	4.1	2.7	1.4	0.0	0.0	1.4	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	53.6	30.8	8.1	0.0	4.9	4.9	3.2	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	29.2	7.7	3.1	3.1	4.6	1.5	1.5	0.0	1.5	1.5	1.5	3.1	0.0	0.0	0.0	0.0	0.0
6	14.6	4.9	1.6	4.9	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	0.0	0.0	0.0	0.0
MEAN	26.2	9.1	4.2	3.0	2.1	1.5	1.4	1.1	1.1	0.7	0.5	0.5	0.3	0.2	0.2	0.2	0.0
SD	16.8	11.0	2.4	3.3	2.4	2.0	1.2	2.8	0.9	1.2	0.8	1.3	0.7	0.6	0.6	0.6	0.0
SE	6.9	4.5	1.0	1.4	1.0	0.8	0.5	1.1	0.4	0.5	0.3	0.5	0.3	0.2	0.2	0.2	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 9 APR 1981, 1500 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	HUJA	UCOP	APVE	ROHO	LASP	FAEC	MEPY	KLSP	ACSP	DAVU	RHCU	PAUN	TEPE	TATR	UNCY	PACA
1	5	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	5	3	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
3	5	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0
4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	3	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
6	4	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	HUJA	UCOP	APVE	ROHO	LASP	FAEC	MEPY	KLSP	ACSP	DAVU	RHCU	PAUN	TEPE	TATR	UNCY	PACA
1	8.1	3.2	3.2	1.6	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
2	8.1	4.9	0.0	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	8.1	0.0	4.1	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	1.6	0.0	1.6	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
5	4.9	1.6	1.6	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	6.5	3.2	0.0	1.6	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	6.2	2.2	1.8	1.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	2.6	2.0	1.7	0.9	0.8	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	1.1	0.8	0.7	0.4	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 6 MAY 1981, 1200 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	LECO	DATY	FAEC	TATR	UCOP	HUJA	AMSP	DASP	AMUN	STPE	STDSP	MILI	STAS	UNCY	TISP	PACA
1	28	15	4	4	2	0	0	2	0	1	0	0	1	0	0	0	0
2	29	15	2	6	2	2	1	0	1	0	0	0	0	0	0	0	0
3	16	2	2	4	2	2	1	1	0	0	1	1	0	0	0	0	0
4	28	0	15	5	2	1	1	0	2	1	0	0	0	0	0	0	0
5	23	11	8	3	0	0	1	0	0	0	0	0	0	0	0	0	0
6	16	2	6	0	2	3	1	2	0	0	0	0	0	0	0	0	0

NUMBERS PER 10.00 SQ CM

REP	TOTAL	LECO	DATY	FAEC	TATR	UCOP	HUJA	AMSP	DASP	AMUN	STPE	STDSP	MILI	STAS	UNCY	TISP	PACA
1	45.5	23.5	6.3	6.3	3.1	0.0	0.0	3.1	0.0	1.6	0.0	0.0	1.6	0.0	0.0	0.0	0.0
2	47.1	24.4	3.2	9.7	3.2	3.2	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	26.0	3.2	3.2	6.5	3.2	3.2	1.6	1.6	0.0	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0
4	45.5	0.0	25.3	8.4	3.4	1.7	1.7	0.0	3.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	37.3	17.9	13.0	4.9	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	26.0	3.2	9.7	0.0	3.2	4.9	1.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	37.9	12.0	10.1	6.0	2.7	2.2	1.4	1.3	0.8	0.5	0.3	0.3	0.3	0.0	0.0	0.0	0.0
SD	9.8	11.1	8.3	3.4	1.3	2.0	0.7	1.6	1.4	0.8	0.7	0.7	0.6	0.0	0.0	0.0	0.0
SE	4.0	4.5	3.4	1.4	0.5	0.8	0.3	0.6	0.6	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 1 JUN 1981, 1100 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

RAW COUNTS

REP	TOTAL	FAEC	UCOP	TATR	MILI	ZASP	AMSP	DATY	TISP	HUJA	LOAM	PAPA	STPE	AMUN	HASP	MEPY	ROHO
1	174	66	24	20	0	5	1	1	3	2	0	0	0	2	0	0	0
2	93	32	35	5	1	9	1	2	4	1	1	1	0	0	1	0	0
3	106	26	26	26	0	6	1	0	0	0	5	4	2	0	0	0	0
4	232	53	25	19	0	13	4	1	0	1	3	3	1	1	0	0	0
5	354	55	17	4	18	0	3	3	1	2	0	0	0	0	1	1	1
6	208	39	36	25	0	6	1	3	4	0	0	0	1	0	0	0	0

RAW COUNTS

REP	APVE	DASP	PSMI	PACA	KLSP	UNCY	SCAR	TAIN	DAVU	DACR	SCCA	ACSP	SCKN	PASP	PAHO	PRSI	PAVE
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 7 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

DATE 1 JUN 1981, 1100 HRS PST

STATION FF 3

SAMPLE AREA 6.16 SQ CM , DEPTH 1 CM

NUMBERS PER 10.00 SQ CM

REP	TOTAL	FAEC	UCOP	TATR	MILI	ZASP	AMSP	DATY	TISP	HUJA	LOAM	PAPA	STPE	AMUN	HASP	MEPY	ROHO
1	282.5	150.3	54.7	45.6	0.0	11.4	2.3	2.3	6.8	4.6	0.0	0.0	0.0	4.6	0.0	0.0	0.0
2	151.0	51.4	56.2	8.0	1.6	14.5	1.6	3.2	6.4	1.6	1.6	1.6	0.0	0.0	1.6	0.0	0.0
3	172.1	45.7	45.7	45.7	0.0	10.5	1.8	0.0	0.0	0.0	8.8	7.0	3.5	0.0	0.0	0.0	0.0
4	376.6	161.0	75.9	57.7	0.0	39.5	12.1	3.0	0.0	3.0	9.1	9.1	3.0	3.0	0.0	0.0	0.0
5	574.7	298.2	92.2	21.7	97.6	0.0	16.3	16.3	5.4	10.8	0.0	0.0	0.0	0.0	5.4	5.4	5.4
6	337.7	114.5	105.7	73.4	0.0	17.6	2.9	8.8	11.7	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0
MEAN	315.7	136.8	71.7	42.0	16.5	15.6	6.2	5.6	5.1	3.3	3.2	3.0	1.6	1.3	1.2	0.9	0.9
SD	155.0	92.6	23.7	23.8	39.7	13.1	6.4	6.0	4.5	4.1	4.5	4.1	1.7	2.0	2.2	2.2	2.2
SE	63.3	37.8	9.7	9.7	16.2	5.4	2.6	2.4	1.8	1.7	1.8	1.7	0.7	0.8	0.9	0.9	0.9

NUMBERS PER 10.00 SQ CM

REP	APVE	DASP	PSMI	PACA	KLSP	UNCY	SCAR	TAIN	DAVU	DACR	SCCA	ACSP	SCKN	PASP	PAHO	PRSI	PAVE
1	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	0.0	0.0	0.0
2	0.0	0.0	1.6	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
3	1.8	1.8	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	0.0
4	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	0.0	0.0	0.0
5	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	0.0	0.0	0.0
6	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	0.0	0.0	0.0
MEAN	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.7	0.7	0.7	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	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 8

FRASER FORESHORE; CORE SAMPLES

HARPACTICOID SPECIES

AVERAGED OVERALL SAMPLES

MEIOTAB1: FRASER FORESHORE STUDY: CORE SAMPLES: HARPACTICOID SPECIES

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
TOTAL	TOTAL
ALSP	ALTEUTHA SP.
AMOI	AMPHIASCOIDES DIMORPHUS
APVE	APODOPSYLLUS VERMICULIFORMIS
AMNO	AMONARDIA NORMANI
AMUN	AMPHIASCUS UNOOSUS
AMSP	AMPHIASCOIDES SPECIES
AMMI	AMPHIASCUS MINUTUS
AMLO	AMEIRA LONGIPES
AMESP	AMEIRA SPECIES
AMCI	AMPHIASCOPSIS CINCTUS
AMOPE	AMONARDIA PERTURBATA
AMPA	AMEIRA PARVULDIDES
UCOP	COPEPODITE UNIDENTIFIED
CLESP	CLETOCAMPTUS SPECIES
DASP	DACTYLOPODIA SPECIES
DATY	DANIELSENNIA TYPICA
DISP	DIARTHRODES SPECIES
DISPI	DIOSACCUS SPINATUS
DIUN	DIARTHRODES UNISETOSUS
ENSP	ENHYDROSOMA SPECIES
ENHO	ENHYDROSOMA HOPKINSI
ECAR	ECHINOLAOPHONTE ARMIGER
FAEC	FAMILY ECTINOSOMIDAE
HUSP	HUNTEMANNIA SPECIES
HASP	HARPACTICUS SPECIES
HUJA	HUNTEMANNIA JADENSIS

Table 8 (cont'd)

HELIL = HETEROLAOPHONTE LITTORALIS LONGISETIGERA

HEDI = HETEROLAOPHONTE OISCOPHORA

HEHA = HETEROLAOPHONTE HAMONDI

HEVA = HETEROLAOPHONTE VARIABILIS

HASPI = HARPACTICUS SPINULOSUS

LEVA = LEIMIA VAGA

LOAM = LONGIPEDIA AMERICANA

LECO = LEPTASTACUS CONSTRICTUS

LASP = LAOPHONTIO SPECIES

LESP = LEPTOCARIS SPECIES

LIBE = LIMNOCLETODES BEHNINGI

MILI = MICROARTHRIDION LITTORALE

MESP = MESOCHRA SPECIES

MISP = MICROSETELLA SPECIES

MIRO = MICROSETELLA ROSEA

MEPY = MESOCHRA PYGMAEA

NISPA = NITOCRA SPINIPES ARMATA

PSES = PSEUDONYCHOCAMPTUS SPINIFER

PAPA = PARALAOPHONTE PACIFICA

PSMI = PSYLLOCAMPTUS MINUTUS

PPLSP = PARAPSEUDOLEPTOMESOCHRA SPECIES

PAVE = PARALEPTASTACUS VERMICULARIS

PRSI = PROAMEIRA SIMPLEX

PAHO = PARASTENHELIA HORNELLI

PASP = PARALEPTASTICUS SPECIES

PACOC = PARALAOPHONTE CONGENERA CONGENERA

PASPI = PARALEPTASTICUS SPINICAUDA

ROPR = ROBERTSONIA PROPINQUA

ROHO = ROBERTGURNEYA HOPKINSI

RODI = ROBERTGURNEYA DIVERSA

Table 8 (cont'd)

SCSP = SCOTTOPSYLLUS SPECIES

SCAR = SCUTELLIDIUM ARTHURI

SCKN = SCHIZOPERA KNABENI

SASP = SARSAMEIRA SPECIES

SCCA = SCOTTOLANA CANADENSIS

STPE = STENHELIA (ST.) PENICULATA

STOB = STENHELIA (D.) OBLONGA

STDSP = STENHELIA (D.) SPECIES

TESP = TEGASTIDAE SPECIES

TISP = TISBE SPECIES

TATR = TACHIDIUS (NEOTACHIDIUS) TRIANGULARIS

TEPE = TEGASTES PERFORATUS

ZASP = ZAUS SPECIES

DACR = DACTYLOPODIA CRASSIPES

DAVU = DACTYLOPODIA VULGARIS

TAIN = TACHIDIUS INCISIPES

STAS = STENHELIA (ST) ASETOSA

KLSP = KLIOPSYLLUS SPECIES

ACSP = ACRENHYDROSOMA SPECIES

ALLA = ALTEUTHA LANGI

RHCU = RHIZOTHRIX CURVATA

PSSP = PSEUDAMEIRA SPECIES

PAUN = PARALEPTASTACUS UNISETOSUS

PACA = PARATHALESTRIS CALIFORNICA

UNCY = UNIDENTIFIED CYLINDROPSYLLIDAE "A"

Table 8 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

NUMBERS PER 10.00 SQ CM AVERAGED OVER ALL SAMPLES FOR STATION 1

N= 77

STAT	TOTAL	UCOP	HUJA	MILI	FAEC	SCCA	TATR	LEVA	SCKN	SASP	LECO	PASPI	AMSP	LIBE	ZASP	PAVE	HEHA
MEAN	150.2	45.7	25.2	22.3	17.2	10.5	10.1	9.3	3.3	2.6	2.5	0.6	0.4	0.1	0.1	0.1	0.1
SD	127.9	71.1	26.9	32.5	25.6	14.4	16.3	16.1	9.3	9.0	8.2	2.8	2.0	0.4	0.4	0.3	0.2
SE	14.6	8.1	3.1	3.7	2.9	1.6	1.9	1.8	1.1	1.0	0.9	0.3	0.2	0.1	0.0	0.0	0.0
V/MEAN	108.9	110.7	28.9	47.3	38.2	19.7	26.1	27.7	26.3	30.4	27.4	13.3	8.9	1.4	1.6	1.5	1.1
S/MEAN	0.9	1.6	1.1	1.5	1.5	1.4	1.6	1.7	2.8	3.4	3.3	4.8	4.5	3.3	4.0	5.0	4.6
S/M*M	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.9	1.3	1.3	8.4	10.2	24.2	41.1	84.8	88.9
PERCNT	100.0	30.4	16.7	14.9	11.4	7.0	6.8	6.2	2.2	1.8	1.6	0.4	0.3	0.1	0.1	0.0	0.0

Table 8 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

NUMBERS PER 10.00 SQ CM AVERAGED OVER ALL SAMPLES FOR STATION 2

N= 72

STAT	TOTAL	LECO	PASPI	KLSP	UCOP	FAEC	TATR	SCCA	HUJA	MILI	ZASP	AMSP	PPLSP	SCKN	SCSP	HASP	LEVA
MEAN	84.3	45.6	12.7	7.5	6.7	5.6	4.0	0.9	0.7	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0
SD	141.1	118.9	20.9	11.3	10.8	8.9	8.8	2.4	1.9	0.9	0.6	0.5	0.3	0.2	0.1	0.2	0.2
SE	16.6	14.0	2.5	1.3	1.3	1.1	1.0	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
V/MEAN	236.0	310.2	34.3	16.9	17.3	14.2	19.7	6.5	4.9	4.0	2.9	2.0	1.2	0.7	0.9	1.6	1.6
S/MEAN	1.7	2.6	1.6	1.5	1.6	1.6	2.2	2.8	2.6	4.2	4.7	3.9	4.6	4.3	6.0	8.5	8.5
S/M*M	0.0	0.1	0.1	0.2	0.2	0.3	0.6	3.2	3.7	18.6	34.3	29.9	78.1	107.0	240.0	376.3	376.3
PERCNT	100.0	54.1	15.0	8.9	7.9	6.7	4.7	1.0	0.8	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0

Table 8 (cont'd)

FRASER FORESHORE STUDY; CORE SAMPLES; HARPACTICOID SPECIES

NUMBERS PER 10.00 SQ CM AVERAGED OVER ALL SAMPLES FOR STATION 3

N= 84

STAT	TOTAL	UCOP	FAEC	MEPY	TATR	AMSP	AMUN	DASP	KLSP	DATY	HASP	AMPA	DISP	LASP	MILI	LECO	LOAM
MEAN	191.4	71.2	27.4	12.6	11.0	9.8	8.8	6.6	5.8	5.4	4.7	4.4	4.4	3.1	1.6	1.4	1.3
SD	368.7	165.0	50.0	52.1	30.7	30.3	31.1	15.0	21.9	8.6	17.4	14.1	15.2	6.8	10.6	4.4	3.4
SE	40.2	18.0	5.5	5.7	3.4	3.3	3.4	1.6	2.4	0.9	1.9	1.5	1.7	0.7	1.2	0.5	0.4
V/MEAN	710.0	382.6	91.2	215.0	85.8	93.5	110.3	33.8	82.2	13.7	64.2	44.9	52.6	15.1	69.8	13.9	8.8
S/MEAN	1.9	2.3	1.8	4.1	2.8	3.1	3.5	2.3	3.8	1.6	3.7	3.2	3.5	2.2	6.6	3.2	2.6
S/M*M	0.0	0.0	0.1	0.3	0.3	0.3	0.4	0.3	0.6	0.3	0.8	0.7	0.8	0.7	4.1	2.3	1.9
PERCNT	100.0	37.2	14.3	6.6	5.7	5.1	4.6	3.5	3.0	2.8	2.5	2.3	2.3	1.6	0.8	0.7	0.7

STAT	PAHO	ZASP	HEVA	AMNO	HUJA	TISP	ROHO	UNCY	PAPA	PACOC	STPE	ENHO	ACSP	PRSI	APVE	PASPI	AMOPE
MEAN	1.2	1.2	1.2	1.0	1.0	1.0	0.9	0.8	0.7	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2
SD	4.9	5.1	6.8	4.5	2.0	2.5	2.0	1.3	1.9	1.9	0.8	1.2	1.0	0.8	0.5	0.9	1.4
SE	0.5	0.6	0.7	0.5	0.2	0.3	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2
V/MEAN	19.7	21.6	40.0	19.7	3.8	6.7	4.3	2.1	5.5	8.6	2.5	4.7	5.4	3.9	1.2	4.8	12.7
S/MEAN	4.0	4.2	5.9	4.4	1.9	2.7	2.1	1.6	2.9	4.5	3.0	4.1	5.3	4.6	2.7	5.5	9.2
S/M*M	3.3	3.4	5.1	4.3	1.9	2.8	2.3	1.9	4.4	10.3	10.4	14.5	26.6	25.3	15.9	35.1	60.5
PERCNT	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1

STAT	STOB	PAUN	ALLA	TESP	PSMI	AMMI	PACA	HEDI	STDSP	NISPA	RHCU	AMCI	ROPR	PSSP	AMLO	MESP	SCAR
MEAN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.6	0.6	0.9	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
SE	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
V/MEAN	2.9	3.2	6.9	2.0	2.6	2.6	2.0	1.8	1.4	1.2	1.9	1.9	1.9	1.7	1.6	0.0	0.0
S/MEAN	4.7	5.1	7.6	4.2	5.5	5.5	4.9	5.3	5.3	6.7	9.2	9.2	9.2	9.2	9.2	0.0	0.0
S/M*M	36.7	40.2	63.6	36.4	63.2	63.8	60.3	81.1	103.9	252.1	403.5	403.5	403.5	443.0	482.4	0.0	0.0
PERCNT	0.1	0.1	0.1	0.1	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 8 (cont'd)

FRASER FORESHORE STUDY: CORE SAMPLES; HARPACTICOID SPECIES

NUMBERS PER 10.00 SQ CM AVERAGED OVER ALL SAMPLES FOR STATION ALL

N=233

STAT	TOTAL	UCOP	FAEC	LECO	HUJA	TATR	MILI	MEPY	KLSP	PASPI	AMSP	SCCA	AMUN	LEVA	DASP	DATY	HASP
MEAN	144.7	42.8	17.3	15.4	8.9	8.5	8.0	4.6	4.4	4.2	3.7	3.7	3.2	3.1	2.4	1.9	1.7
SD	249.0	110.2	34.8	69.1	19.3	21.4	22.1	31.8	14.8	13.0	18.7	9.6	19.1	10.2	9.5	5.7	10.7
SE	16.3	7.2	2.3	4.5	1.3	1.4	1.4	2.1	1.0	0.9	1.2	0.6	1.2	0.7	0.6	0.4	0.7
V/MEAN	428.5	283.4	70.1	309.5	41.7	53.6	60.8	221.4	49.8	40.5	94.2	24.7	115.1	33.6	37.8	17.0	66.0
S/MEAN	1.7	2.6	2.0	4.5	2.2	2.5	2.8	7.0	3.4	3.1	5.0	2.6	6.0	3.3	4.0	3.0	6.2
S/M*M	0.0	0.1	0.1	0.3	0.2	0.3	0.3	1.5	0.8	0.7	1.3	0.7	1.9	1.1	1.7	1.5	3.6
PERCNT	100.0	29.6	12.0	10.6	6.1	5.9	5.5	3.1	3.1	2.9	2.6	2.6	2.2	2.1	1.7	1.3	1.2

STAT	AMPA	DISP	LASP	SCKN	SASP	ZASP	LOAM	PAHO	HEVA	AMNO	TISP	ROHO	UNCY	PAPA	PACOC	ENHO	STPE
MEAN	1.6	1.6	1.1	1.1	0.9	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
SD	8.7	9.3	4.3	5.6	5.3	3.1	2.1	3.0	4.1	2.7	1.6	1.3	0.9	1.2	1.2	0.7	0.5
SE	0.6	0.6	0.3	0.4	0.3	0.2	0.1	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0
V/MEAN	47.4	55.0	17.0	28.0	31.9	19.3	9.5	20.4	40.4	20.2	7.3	4.9	2.7	5.9	8.8	4.7	2.6
S/MEAN	5.5	5.9	3.9	5.0	6.0	6.1	4.4	6.8	9.8	7.4	4.6	3.8	3.0	5.0	7.5	6.6	5.1
S/M*M	3.4	3.7	3.6	4.6	6.9	11.9	9.1	15.4	23.5	20.2	13.4	11.3	10.0	21.2	48.2	60.2	49.7
PERCNT	1.1	1.1	0.8	0.8	0.6	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1