

Environmental Effects of Harbour Construction Activities at Steveston, British Columbia Part 2. Appendices

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Fisheries and Aquatic Sciences 1071

November 1981

ENVIRONMENTAL EFFECTS OF HARBOUR
CONSTRUCTION ACTIVITIES AT STEVESTON,
BRITISH COLUMBIA
PART 2. APPENDICES

by

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PREFACE

Steveston Harbour has been a major salmon fishing port since the late 19th century. It is being redeveloped and enlarged by the Small Craft Harbours Branch of The Department of Fisheries and Oceans. This report presents the results of a one-year program designed to assess the environmental effects of the redevelopment program.

The geographical scope of this report is strictly limited to the Steveston area. This work should be read in parallel with other recent environmental studies on the Lower Fraser River.

This report is presented in three parts: an Interpretive Summary, Technical Rep. No. 1072 in this series; a Main Report, Technical Report No. 1070; and the present Appendix of Data.

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ABSTRACT

Anderson, E.P., I.K. Birtwell, S.C. Byers, A.V. Hincks and G.W. O'Connell. 1981. Environmental effects of harbour construction activities at Steveston, British Columbia. Part 2. Appendices. Can. Tech. Rep. Fish. Aquat. Sci. 1071: vi + 343 p.

From January to December 1979 we sampled the estuarine biota and environment at Steveston Harbour, near the mouth of the Fraser River, in order to assess the effects of harbour development. We found no unacceptable levels of heavy metal or organic pollutants. During periods of intensive fish processing, harbour waters showed elevated concentrations of ammonia and phosphate. Dissolved oxygen was somewhat depressed in the near-bottom water at the landward end of the harbour.

The subtidal benthos was divisible into three community types, corresponding to deep silt, shallow silt and sand habitats. The deep silt community repopulated a small dredged area within one month after dredging stopped.

Juvenile chum salmon (*Oncorhynchus keta*) and/or chinook salmon (*Oncorhynchus tshawytscha*) were captured by beach seine from February through October, with largest numbers in March, April and May. Juvenile chum salmon were clearly more abundant near the marsh habitat than near sand. The most common items in salmon stomachs were harpacticoid copepods, chironomid insects and oligochaete worms. The species composition of stomach contents did not closely correspond to that of benthic samples, but there was some evidence that juvenile salmon fed more successfully near marsh than near sand shores. One common effect of harbour dredging is to replace marsh with sand.

Key words: Harbours, environmental effects, water quality, benthos, Salmonidae (juvenile), stomach content, food chains, aquatic communities, Fraser River Estuary.

RÉSUMÉ

Anderson, E. P., I. K. Birtwell, S. C. Byers, A. V. Hincks, and G. W. O'Connell. 1981. Environmental effects of harbour construction activities at Steveston, British Columbia. Part 2. Appendices. Can. Tech. Rep. Fish. Aquat. Sci. 1071: vi + 343 p.

De janvier à décembre 1979, nous avons échantillonné la flore et la faune de l'estuaire et des environs de Steveston Harbour, près de l'embouchure du fleuve Fraser, afin d'évaluer les répercussions du développement du port. Aucun niveau inacceptable de métaux lourds ou de polluants organiques n'a été trouvé. Les eaux du port contenaient de hautes concentrations d'ammoniaque et de phosphate pendant les périodes de pointe de traitement du poisson. La quantité d'oxygène dissous était basse dans les eaux près du fond dans la section du port côté terre.

Le benthos infratidal pouvait être classifié en trois catégories de communautés, correspondant au limon profond, limon de surface et les habitats sablonneux. La communauté de limon profond avait repeuplé une petite zone draguée un mois après la fin du dragage.

De février à octobre, des juvéniles de saumon kéta (Oncorhynchus keta) et/ou de saumon chinook (Oncorhynchus tshawytscha) ont été capturés avec une senne de rivage. Le plus grand nombre a été capturé en mars, avril et mai. Les saumons kéta juvéniles étaient plus abondants près de l'habitat marécageux que sur fond de sable. Les éléments retrouvés le plus souvent dans les estomacs de saumon sont des copépodes du genre Harpacticus, des chrionomidés et des oligochètes. La distribution des espèces des contenus stomacaux ne correspond pas étroitement à celle des échantillons benthiques, même s'il est prouvé dans une certaine mesure que le saumon juvénile se nourrissait mieux près d'un marécage que près de rivages sablonneux. Un effet commun du dragage de port est l'ensablement des marécages.

Mots clés: port, répercussions sur l'environnement, qualité de l'eau, benthos, Salmonidae (juvénile), contenu stomacal, chaînes alimentaires, communautés aquatiques, estuaire du fleuve Fraser.

Appendix A. Water and Sediment Chemistry

Extensive Water Quality Determinations: B₁

Tables 1 - 8: Trips 5B₁1 - 21B₁4

March - December 1979

TABLE 1. Water quality determination, trip 5B1, 20 March 1979.

STATION: DEPTH(m)	TEMP. (C°)	SALINITY (‰)	DISS.O ₂ (ppm)	pH	NH ₄ -N (μg L ⁻¹)	NO ₂ + NO ₃ -N (μg L ⁻¹)	NO ₂ (μg L ⁻¹)	TOTAL P (μg L ⁻¹)	TOC (mg L ⁻¹)	HYDRO CARBONS (μg L ⁻¹)	SUSPENDED SOLIDS (mg L ⁻¹)	VOLATILE SOLIDS (mg L ⁻¹)	
1D:	0.5	5.1	1.14	13.77	7.62	26.0	160.0	1.1	24	<2	2.9	7.1	1.1
	7.6	5.4	24.51	9.63	7.61	37.7	308.4	2.4	85	<2	-	19.8	2.2
1S:	0.5	5.0	1.31	14.85	7.66	29.3	156.7	1.0	24	<2	4.2	7.5	0.3
	3.5	5.6	2.96	14.62	7.79	71.9	166.6	1.2	42	<2	-	8.1	1.1
2D:	0.5	5.7	3.93	13.07	7.56	296.8	193.9	1.7	134	<2	2.4	7.3	2.2
	7.4	5.5	27.93	7.77	7.45	262.1	328.3	4.2	92	2	-	8.6	1.2
2S:	0.5	5.6	3.73	13.29	7.52	275.2	170.1	1.9	141	<2	2.2	7.8	2.1
	2.4	5.6	4.18	12.21	7.56	303.8	191.1	2.1	143	<2	-	8.9	2.7
3D:	0.5	5.9	3.73	12.75	7.62	175.0	179.9	1.5	101	<2	1.8	9.0	1.3
	6.7	7.5	28.72	8.11	7.54	117.8	355.9	3.3	85	<2	-	10.2	1.4
3S:	0.5	5.7	3.53	12.36	7.57	139.4	193.5	1.4	69	<2	2.7	7.4	1.8
	3.7	5.7	9.74	11.23	7.65	265.0	210.1	2.0	107	<2	-	8.1	2.0
4D:	0.5	5.6	3.59	12.02	7.53	212.7	193.1	1.8	105	<2	2.3	7.9	1.7
	7.4	7.3	29.54	8.92	7.64	6.8	355.8	2.1	82	3	-	8.3	0.5
4S:	0.5	5.6	3.15	11.95	7.61	137.9	193.8	1.4	62	<2	2.0	8.2	0.9
	4.0	7.1	26.94	9.15	7.65	164.0	281.8	1.9	86	<2	-	7.9	1.3
5D:	0.5	5.7	3.52	11.74	7.56	326.7	194.7	2.0	163	2	3.9	8.7	2.6
	7.9	7.2	29.60	8.73	7.66	2.6	400.4	1.2	79	<2	-	11.7	1.6
5S:	0.5	5.8	3.39	12.01	7.60	215.0	196.9	1.9	125	<2	1.9	8.7	2.4
	4.0	7.1	27.01	8.92	7.69	140.3	277.3	1.9	81	<2	-	9.2	1.7
6D:	0.5	5.5	1.65	12.34	7.69	30.0	180.4	1.4	18	<2	2.0	7.2	1.2
	7.0	7.2	29.56	9.12	7.66	<0.1	390.7	2.2	77	<2	-	9.4	1.4
6S:	0.5	5.8	1.74	12.49	7.69	30.7	180.4	1.1	19	<2	2.0	7.3	1.4
	3.6	5.9	9.79	11.55	7.76	44.6	249.2	1.5	47	<2	-	9.9	0.9

TABLE 2. Water quality determination, trip 5B1, 21 March 1979.

STATION: DEPTH(m)	TEMP. (C°)	SALINITY (‰)	DISS.O ₂ (ppm)	pH	NH ₄ -N (µg L ⁻¹)	NO ₂ + NO ₃ -N (µg L ⁻¹)	NO ₂ (µg L ⁻¹)	TOTAL P (µg L ⁻¹)	TOC (mg L ⁻¹)	HYDRO CARBONS (µg L ⁻¹)	SUSPENDED SOLIDS (mg L ⁻¹)	VOLATILE SOLIDS (mg L ⁻¹)
1D: 0.5	5.5	3.33	12.12	7.82	30.5	139.4	1.0	23	<2	1.5	6.3	1.2
7.5	7.5	-	9.00	7.79	27.1	319.5	1.8	77	<2	-	10.3	1.6
1S: 0.5	5.5	3.27	11.94	7.77	32.8	165.1	1.0	25	<2	2.5	7.0	1.1
3.6	5.4	9.79	11.69	7.81	37.9	181.0	1.1	28	<2	-	7.4	0.9
2D: 0.5	5.9	5.15	12.04	7.74	368.1	176.2	2.3	150	3	1.9	7.0	1.5
7.1	7.4	27.96	6.81	7.45	320.2	324.9	3.6	98	<2	-	10.3	1.5
2S: 0.5	5.9	5.15	11.89	7.65	287.8	175.4	1.7	154	<2	1.9	7.1	2.3
3.5	6.2	10.65	10.38	7.73	122.0	203.1	1.6	67	<2	-	8.1	1.6
3D: 0.5	6.0	5.61	11.75	7.65	802.1	136.7	8.8	402	3	2.3	9.7	4.4
6.7	7.4	27.63	7.46	7.54	288.2	313.6	3.5	102	<2	-	10.7	1.5
3S: 0.5	6.0	5.84	11.68	7.67	368.9	182.1	2.6	174	<2	2.0	7.7	2.5
3.7	5.9	9.25	10.80	7.71	181.4	197.9	1.5	96	<2	-	8.2	1.0
4D: 0.5	6.0	5.61	12.03	7.75	146.0	180.2	1.6	78	<2	2.5	7.5	1.9
7.1	7.4	28.47	7.91	7.67	118.2	328.6	2.6	90	<2	-	9.4	1.6
4S: 0.5	5.9	4.64	12.01	7.81	76.1	169.7	1.2	44	<2	1.3	6.9	1.2
4.5	6.4	11.95	10.34	7.70	231.4	242.0	1.9	106	<2	-	7.7	1.6
5D: 0.5	6.1	5.19	11.53	7.81	177.5	177.4	1.7	87	<2	2.8	7.4	1.0
8.0	7.5	29.61	8.80	7.78	40.8	325.1	2.0	85	<2	-	11.0	0.8
5S: 0.5	6.0	4.90	11.66	7.88	100.0	174.0	1.3	60	<2	1.9	7.4	1.8
3.3	6.0	9.33	10.58	7.73	259.2	190.6	1.9	124	<2	-	7.6	2.2
6D: 0.5	5.9	4.84	11.89	7.93	43.3	189.2	1.2	36	<2	1.8	6.4	1.4
7.5	7.4	29.40	8.53	7.84	4.7	337.0	1.1	82	<2	-	8.6	1.1
6S: 0.5	6.2	4.90	11.66	7.93	69.8	152.5	0.8	52	<2	1.7	6.5	1.4
3.0	6.2	9.85	10.94	7.87	61.1	195.5	0.8	47	2	-	5.8	1.4

TABLE 3. Water quality determination, trip 11B2, 19 June 1979.

STATION: DEPTH(m)	TEMP. (C°)	SALINITY (‰)	DISS.O ₂ (ppm)	pH	NH ₄ -N (µg L ⁻¹)	NO ₂ + NO ₃ -N (µg L ⁻¹)	NO ₂ (µg L ⁻¹)	TOTAL P (µg L ⁻¹)	TOC (mg L ⁻¹)	HYDRO CARBONS (µg L ⁻¹)	SUSPENDED SOLIDS (mg L ⁻¹)	VOLATILE SOLIDS (mg L ⁻¹)
1D: 0.5	12.3	<0.2	11.31	8.06	7.1	82.5	0.43	64	<2	1.1	61.1	2.4
6.7	12.4	<0.2	11.31	8.14	7.4	79.1	0.39	71	<2	-	65.5	2.8
1S: 0.5	12.4	<0.2	11.32	7.87	8.6	80.5	0.24	71	<2	1.3	69.3	2.7
3.3	12.2	<0.2	11.34	8.04	6.2	80.1	0.60	74	<2	-	76.4	3.1
2D: 0.5	12.5	<0.2	11.30	8.04	5.4	79.6	0.46	59	<2	1.5	48.0	1.9
6.5	12.4	<0.2	11.08	7.60	41.4	82.2	0.85	104	2	-	70.7	3.2
2S: 0.5	12.5	<0.2	11.25	7.96	7.4	80.3	0.40	54	<2	1.8	46.2	1.7
2.5	12.5	<0.2	11.15	7.95	8.0	80.4	0.29	70	<2	-	64.4	2.4
3D: 0.5	12.4	<0.2	11.25	7.90	12.1	79.1	0.35	51	3	1.3	40.5	3.0
6.5	12.2	<0.2	11.02	7.92	33.0	79.9	0.21	65	<2	-	50.2	2.5
3S: 0.5	12.6	<0.2	11.24	7.96	6.2	80.7	0.32	51	<2	1.3	40.5	2.0
3.7	12.3	<0.2	11.02	7.95	20.6	79.7	0.38	83	<2	-	82.6	2.8
4D: 0.5	12.6	<0.2	11.20	7.94	44.1	80.8	0.27	84	<2	1.6	33.3	2.0
7.1	12.2	<0.28	10.71	7.71	29.5	82.1	0.21	66	<2	-	47.4	1.0
4S: 0.5	12.5	<0.2	11.20	7.93	33.3	77.2	0.32	70	<2	1.3	35.4	1.9
3.5	12.3	<0.2	11.02	7.95	28.4	72.3	0.15	69	2	-	38.6	1.4
5D: 0.5	12.6	<0.2	11.50	7.94	48.0	64.8	0.10	69	3	1.9	31.1	0.6
7.5	10.7	21.15	8.07	7.53	46.4	119.3	1.21	70	<2	-	55.3	3.0
5S: 0.5	12.7	<0.2	11.16	8.03	34.5	80.1	0.29	75	2	1.3	39.8	2.1
3.9	12.5	<0.2	10.96	7.44	38.1	81.0	0.35	77	4	-	37.5	1.9
6D: 0.5	12.5	<0.2	11.40	8.20	10.8	81.5	0.13	68	2	1.2	61.8	2.3
7.5	12.5	<0.2	11.30	8.12	14.0	81.2	0.15	92	2	-	93.2	2.6
6S: 0.5	12.6	0.2	11.12	8.08	13.1	80.7	<0.10	67	3	<1.0	63.6	2.9
3.5	12.5	0.2	11.08	8.14	15.6	81.8	0.15	80	6	-	76.3	3.5

TABLE 4. Water quality determination, trip 11B2, 20 June 1979.

STATION: DEPTH (m)	TEMP. (C°)	SALINITY (‰)	DISS. O ₂ (ppm)	pH	NH ₄ -N (μg L ⁻¹)	NO ₂ + NO ₃ -N (μg L ⁻¹)	NO ₂ (μg L ⁻¹)	TOTAL P (μg L ⁻¹)	TOC (mg L ⁻¹)	HYDRO CARBONS (μg L ⁻¹)	SUSPENDED SOLIDS (mg L ⁻¹)	VOLATILE SOLIDS (mg L ⁻¹)	
10:	0.5	12.5	<0.2	11.20	8.16	13.4	69.6	0.29	30	5	1.8	66.3	4.0
	6.9	12.5	<0.2	11.00	8.13	11.0	77.0	0.57	30	2	-	75.2	2.3
15:	0.5	12.5	<0.2	11.01	8.23	7.3	77.6	0.54	39	4	1.2	59.5	3.0
	3.1	12.5	<0.2	10.95	7.96	9.0	77.8	0.38	46	4	-	83.3	4.3
20:	0.5	13.0	0.23	11.38	3.12	17.1	78.3	0.57	30	4.4	2.4	43.7	2.3
	7.2	12.3	0.78	10.88	8.01	21.7	83.0	0.57	25	3.3	-	36.6	1.3
25:	0.5	13.2	0.24	11.00	8.15	18.7	80.6	0.49	45	<2	1.7	37.3	1.3
	3.3	12.7	0.37	10.81	8.15	20.9	80.3	0.43	37	<2	-	38.2	2.2
30:	0.5	13.7	0.28	11.17	8.08	24.8	79.7	0.40	37	19	1.2	28.9	1.6
	6.8	12.3	0.68	10.65	8.01	33.6	80.3	0.46	38	2	-	33.2	1.2
35:	0.5	13.0	<0.2	11.23	8.12	20.5	79.8	0.63	25	<2	2.8	29.2	1.8
	3.5	12.5	0.31	10.92	8.04	17.0	78.8	0.38	34	<2	-	43.0	2.8
40:	0.5	13.0	0.21	11.23	8.06	14.1	80.0	0.38	30	7	4.2	43.5	3.4
	7.0	12.5	0.50	10.81	7.46	26.3	79.2	0.57	55	4	-	53.8	2.7
45:	0.5	13.0	<0.2	11.24	8.11	16.3	80.0	0.43	30	<2	1.9	36.7	1.0
	3.5	12.5	0.21	11.14	8.11	14.6	80.4	0.27	28	3	-	44.0	1.9
50:	0.5	13.0	<0.2	11.30	8.19	13.1	79.4	0.40	25	<2	2.3	31.1	1.8
	8.2	12.3	3.10	10.30	7.26	21.4	86.8	0.68	34	<2	-	56.7	2.0
55:	0.5	13.7	<0.2	10.73	8.08	15.1	81.2	0.54	40	<2	<1.0	50.3	1.7
	3.5	13.0	0.22	10.63	8.06	16.6	81.4	0.24	47	<2	-	54.0	2.4
60:	0.5	13.0	<0.2	11.08	8.28	11.0	78.5	0.29	38	<2	1.7	48.9	2.2
	8.0	12.7	<0.2	10.98	8.15	10.2	79.7	0.38	22	<2	-	59.2	3.1
65:	0.5	13.0	<0.2	10.72	8.28	11.4	78.9	0.27	24	3	1.5	50.0	2.3
	3.6	12.7	<0.2	11.02	8.08	9.5	77.1	0.43	26	3	-	53.3	2.5

TABLE 5. Water quality determination, trip 17B3, 11 September 1979.

STATION: DEPTH(m)	TEMP. (C°)	SALINITY (‰)	DISS.O ₂ (ppm)	pH	NH ₄ -N (µg L ⁻¹)	NO ₂ + NO ₃ -N (µg L ⁻¹)	NO ₂ (µg L ⁻¹)	TOTAL P (µg L ⁻¹)	TOC (mg L ⁻¹)	HYDRO CARBONS (µg L ⁻¹)	SUSPENDED SOLIDS (mg L ⁻¹)	VOLATILE SOLIDS (mg L ⁻¹)
1D: 0.5	17.5	0.00	9.80	8.35	14.5	30.3	5.0	-	2	1.0	6.6	1.5
7.7	16.7	0.00	9.42	8.34	12.5	-	-	-	<2	-	-	-
1S: 0.5	16.5	0.00	9.60	8.44	19.7	22.5	7.4	-	<2	1.6	3.1	1.0
4.0	16.5	0.09	9.39	8.35	18.7	49.7	7.7	-	2	-	-	-
2D: 0.5	16.5	0.61	9.46	8.08	31.8	53.1	8.1	-	<2	<1.0	7.2	1.6
7.0	13.5	18.74	3.07	7.69	182.0	160.0	31.7	-	<2	-	13.3	1.4
2S: 0.5	16.5	0.87	8.91	7.98	37.2	55.0	9.7	-	2	<1.0	10.0	1.2
3.5	16.5	1.32	8.70	8.01	44.3	54.8	9.5	-	<2	-	10.4	1.4
3D: 0.5	16.5	0.65	9.18	8.07	30.9	54.6	8.8	-	<2	<1.0	12.3	1.0
6.8	12.5	23.95	3.62	7.53	360.1	211.9	33.8	-	3	-	13.0	1.8
3S: 0.5	16.5	0.45	9.31	8.20	36.0	37.9	4.9	-	<2	1.1	6.9	1.3
3.5	16.5	0.96	8.84	8.27	28.4	55.9	8.1	-	<2	-	15.2	2.1
4D: 0.5	16.7	0.22	9.28	7.63	47.3	32.2	4.4	-	<2	<1.0	9.5	1.0
7.0	12.0	23.95	5.43	8.07	66.1	226.0	12.3	-	<2	-	18.7	1.7
4S: 0.5	17.0	0.27	9.28	8.05	33.3	56.9	6.7	-	<2	<1.0	9.1	1.5
4.0	16.5	0.99	8.84	8.18	41.6	57.3	7.5	-	<2	-	9.5	1.6
5D: 0.5	16.7	0.45	9.97	7.90	56.3	53.5	11.5	-	<2	1.2	2.2	0.5
8.0	11.7	26.24	5.27	7.63	36.8	265.9	10.8	-	<2	-	46.6	3.7
5S: 0.5	17.0	0.34	9.24	8.23	19.3	45.5	7.5	-	<2	1.6	6.0	1.3
3.5	16.5	0.93	8.84	7.83	49.7	55.9	8.6	-	<2	-	8.5	1.7
6D: 0.5	17.0	0.17	9.46	8.06	65.9	48.2	5.6	22	<2	1.2	6.9	1.5
7.5	11.5	25.74	5.37	7.65	16.9	293.7	12.3	111	<2	-	42.1	3.4
6S: 0.5	17.2	0.25	9.38	8.27	34.1	50.7	7.9	18	<2	1.0	10.6	1.5
3.5	17.0	0.62	9.36	8.03	27.4	50.2	4.9	15	<2	-	10.2	1.1

TABLE 6. Water quality determination, trip 17B3, 12 September 1979.

STATION: DEPTH(m)	TEMP. (C°)	SALINITY (‰)	DISS.O ₂ (ppm)	pH	NH ₄ -N (µg L ⁻¹)	NO ₂ + NO ₃ -N (µg L ⁻¹)	NO ₂ (µg L ⁻¹)	TOTAL P (µg L ⁻¹)	TOC (mg L ⁻¹)	HYDRO CARBONS (µg L ⁻¹)	SUSPENDED SOLIDS (mg L ⁻¹)	VOLATILE SOLIDS (mg L ⁻¹)
1D: 0.5	16.7	0.38	9.35	7.83	18.9	51.8	4.8	12	<2	<1.0	8.0	1.4
8.0	16.4	0.80	9.11	7.76	18.8	24.8	4.4	12	<2	-	7.4	1.0
1S: 0.5	16.5	0.76	9.19	7.80	16.9	49.7	4.7	11	<2	<1.0	1.3	0.6
3.5	16.5	0.82	9.25	7.84	17.2	47.2	4.3	13	<2	-	8.3	1.3
2D: 0.5	16.5	1.30	8.96	7.62	37.8	50.7	6.8	25	<2	<1.0	7.9	1.2
6.7	12.5	23.60	3.22	7.30	346.9	330.5	31.0	95	<2	-	22.2	2.8
2S: 0.5	16.5	1.27	9.02	7.35	41.1	63.6	6.2	25	<2	1.2	8.6	1.3
3.0	16.2	2.12	8.48	7.64	49.4	57.0	6.8	23	<2	-	8.7	0.5
3D: 0.5	16.4	0.73	9.01	7.75	34.8	27.2	5.8	22	<2	<1.0	9.1	1.0
6.4	16.5	23.60	3.29	7.28	314.3	253.0	26.4	74	<2	-	12.3	1.8
3S: 0.5	16.7	0.44	9.27	7.80	24.2	35.8	3.8	16	<2	<1.0	9.5	0.9
3.5	16.3	1.57	8.65	7.92	44.2	63.0	8.8	22	<2	-	9.2	0.7
4D: 0.5	16.5	0.65	9.02	7.75	36.7	47.6	4.0	14	<2	1.3	7.9	1.3
7.0	11.0	25.96	4.85	7.46	96.3	286.0	20.0	73	<2	-	30.1	3.0
4S: 0.5	16.7	0.49	9.07	7.60	24.6	48.5	5.2	16	2	<1.0	10.1	0.6
4.0	16.0	1.83	8.48	7.87	37.7	56.2	6.0	21	<2	-	8.3	1.1
5D: 0.5	16.5	0.49	8.85	7.70	38.5	66.5	7.1	25	<2	1.2	9.5	1.4
7.5	10.7	1.83	5.03	7.47	52.9	307.7	19.3	127	<2	-	54.1	4.5
5S: 0.5	16.6	0.79	8.96	7.84	30.4	66.7	7.1	15	<2	1.2	7.2	0.6
4.0	15.7	26.46	7.97	7.72	52.6	58.0	8.2	24	<2	-	8.0	1.2
6D: 0.5	16.7	0.11	9.09	8.04	23.9	43.0	3.9	18	2	<1.0	12.9	1.5
7.0	12.2	26.32	5.27	7.55	5.7	281.8	14.3	84	<2	-	31.5	2.4
6S: 0.5	17.0	0.10	9.29	7.94	25.9	37.2	3.4	17	<2	<1.0	7.4	1.5
3.0	16.7	0.53	9.07	8.84	27.3	57.1	5.2	21	<2	-	5.1	0.5

TABLE 7. Water quality determination, trip 21B4, 12 December 1979.

STATION: DEPTH(m)	TEMP. (C°)	SALINITY (‰)	DISS.O ₂ (ppm)	pH	NH ₄ -N (µg L ⁻¹)	NO ₂ + NO ₃ -N (µg L ⁻¹)	NO ₂ (µg L ⁻¹)	TOTAL P (µg L ⁻¹)	TOC (mg L ⁻¹)	HYDRO CARBONS (µg L ⁻¹)	SUSPENDED SOLIDS (mg L ⁻¹)	VOLATILE SOLIDS (mg L ⁻¹)
1D: 0.5	5.2	0.73	11.18	7.48	32.4	388.5	14.6	61	2.	<1.0	23.0	2.0
9.0	8.2	31.33	8.20	7.72	14.6	451.8	7.5	162	4.	-	94.9	4.4
1S: 0.5	5.1	0.81	12.03	7.60	38.6	409.2	11.1	58	<2.	1.4	19.3	2.4
4.5	5.7	4.82	11.63	7.53	49.3	351.6	11.0	39	4.	-	15.8	1.5
2D: 0.5	5.5	2.19	11.05	7.62	47.3	263.3	16.5	28	<2.	<1.0	10.8	0.8
8.0	7.8	26.10	6.85	7.62	142.2	388.6	24.4	92	<2.	-	38.0	3.5
2S: 0.5	5.2	2.16	12.11	7.48	43.8	281.2	12.9	23	<2.	1.2	14.0	1.0
2.7	5.4	2.89	12.54	7.55	63.6	287.0	12.3	28	<2.	-	12.6	1.4
3D: 0.5	5.4	2.03	11.93	7.51	49.9	246.2	10.4	14	<2.	<1.0	12.3	1.7
6:7	8.0	27.92	8.45	7.75	13.9	365.9	9.1	93	<2.	-	39.2	3.6
3S: 0.5	5.4	1.81	11.75	7.50	52.4	279.0	12.3	27	<2.	<1.0	15.7	2.1
4.0	6.3	8.58	11.04	7.61	45.5	276.6	12.7	44	<2.	-	17.6	2.1
4D: 0.5	5.5	2.55	10.71	7.64	36.4	289.9	14.2	30	<2.	<1.0	14.8	2.1
7.1	8.5	30.13	7.32	7.60	6.7	383.4	5.7	97	<2.	-	59.6	4.2
4S: 0.5	5.4	2.06	11.33	7.66	38.3	288.1	12.4	28	<2.	<1.0	15.2	0.5
4.0	6.2	14.09	10.83	7.70	10.0	306.0	10.6	59	5.	-	27.3	1.7
5D: 0.5	5.5	2.42	10.52	7.68	38.2	249.6	11.1	9	4.	1.1	10.9	1.1
8.9	8.6	31.40	7.71	7.77	6.0	346.3	2.5	95	2.	-	48.2	3.7
5S: 0.5	5.4	2.49	10.71	7.65	41.4	285.8	12.6	35	<2.	1.6	16.0	1.9
4.0	8.3	28.87	8.91	7.72	47.0	304.1	12.5	43	4.	-	19.9	2.2
6D: 0.5	5.6	3.56	10.50	7.80	40.5	283.9	12.7	25	<2.	1.2	15.5	1.6
7.5	8.5	30.88	8.39	7.80	4.9	356.9	4.1	90	2.	-	38.7	2.8
6S: 0.5	5.5	3.81	11.10	7.84	38.1	279.9	11.9	33	<2.	<1.0	15.9	2.0
3.6	6.8	16.06	10.34	7.73	32.2	286.0	12.6	53	2.	-	22.5	2.1

TABLE 8. Water quality determination, trip 21B4, 13 December 1979.

STATION: DEPTH(m)	TEMP. (C°)	SALINITY (‰)	DISS.O ₂ (ppm)	pH	NH ₄ -N (µg L ⁻¹)	NO ₂ + NO ₃ -N (µg L ⁻¹)	NO ₂ (µg L ⁻¹)	TOTAL P (µg L ⁻¹)	TOC (mg L ⁻¹)	HYDRO CARBONS (µg L ⁻¹)	SUSPENDED SOLIDS (mg L ⁻¹)	VOLATILE SOLIDS (mg L ⁻¹)
1D: 0.5	5.3	2.43	10.46	7.54	28.6	299.4	11.9	38	4	< 1.0	17.0	2.2
6.5	8.5	29.17	7.61	7.65	26.3	303.9	2.9	89	< 2.	-	22.3	2.4
1S: 0.5	5.3	2.48	11.79	7.54	38.3	227.9	10.9	39	< 2.	1.2	17.4	1.1
3.5	5.6	4.35	11.55	7.68	52.7	264.2	10.7	19	3.	-	24.7	2.7
2D: 0.5	5.4	2.15	10.54	7.68	40.7	212.0	9.2	25	< 2.	< 1.0	19.7	2.2
7.5	8.1	27.04	7.24	7.47	98.0	89.8	19.8	93	< 2.	-	44.3	4.4
2S: 0.5	5.3	2.32	11.55	7.67	30.3	270.6	12.2	37	3.	< 1.0	22.9	2.4
3.5	5.7	6.88	11.16	7.63	52.9	291.5	14.1	47	4.	-	23.7	1.9
3D: 0.5	5.4	1.92	10.73	7.72	42.3	262.3	12.3	39	< 2.	< 1.0	23.8	1.9
7.0	8.3	22.28	8.02	7.68	28.5	318.3	5.5	93	< 2.	-	42.7	2.7
3S: 0.5	5.3	2.00	11.04	7.71	48.0	286.1	12.5	48	3.	1.2	25.9	2.4
4.5	7.5	22.05	9.02	7.72	45.2	319.4	9.6	72	< 2.	-	31.0	2.1
4D: 0.5	5.4	2.09	10.25	7.73	38.4	273.4	11.8	37	2.	< 1.0	17.0	1.3
7.3	8.4	29.09	7.90	7.69	5.8	330.1	8.4	103	< 2.	-	43.0	3.0
4S: 0.5	5.4	2.72	11.09	7.70	37.1	270.1	13.9	35	< 2.	< 1.0	21.8	1.9
6.5	8.4	28.65	8.04	7.67	42.6	298.9	7.3	87	< 2.	-	39.0	2.2
5D: 0.5	5.4	2.20	10.53	7.75	39.7	255.3	12.0	55	4.	1.3	21.0	2.1
8.0	8.4	29.17	8.18	7.65	3.1	304.8	7.9	79	< 2.	-	39.4	3.5
5S: 0.5	5.3	2.58	11.68	7.73	38.7	172.9	9.3	21	< 2.	1.4	25.2	1.3
2.7	5.5	10.56	11.23	7.69	50.8	244.9	10.5	9	10.	-	23.5	2.7
6D: 0.5	5.6	7.18	10.38	7.74	36.6	208.6	9.4	48	10.	1.1	25.1	2.5
7.4	8.2	29.17	8.22	7.68	9.7	331.4	7.2	90	< 2.	-	42.9	4.1
6S: 0.5	5.6	5.68	11.44	7.77	35.3	240.8	9.2	77	< 2.	< 1.0	27.1	2.6
2.5	5.8	10.26	11.85	7.70	30.8	264.6	8.6	19	< 2.	-	23.5	2.3

Diurnal Cycle Water Quality Determinations: B₂

Table 9: Trip 5B₂1

21 - 22 March 1979

Table 10: Trip 17B₂2

12 - 13 September 1979

TABLE 9. Diurnal cycle of temperature, salinity, dissolved oxygen and pH in Cannery Channel and the adjacent Fraser River.

Run 1. 1920 - 2030(PST) 21 March 1979.

STATION	TIME (PST)	DEPTH (m)	TEMP (C ⁰)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	1920	0.0	5.6	4.97	11.81	7.88
		2.0	6.5	5.70	11.97	
		4.0	6.5	6.19	12.03	
		5.0	5.5	6.34	11.89	
5	1935	0.0	7.8	3.95	11.71	7.67
		2.0	6.2	5.64	11.59	
		4.0	7.0	10.27	10.99	
		5.0	7.2	28.36	6.97	
		5.9	7.2	28.62	7.82	
4	1945	0.0	6.7	3.67	11.87	7.56
		2.0	6.3	5.64	11.53	
		4.0	6.2	9.84	10.95	
		5.0	7.2	27.78	6.48	
3	2000	0.0	6.6	3.74	12.11	7.58
		2.0	6.4	4.75	11.69	
		4.0	6.2	10.46	9.94	
		5.0	7.0	27.20	6.00	
2	2020	0.0	6.7	3.41	12.07	7.85
		2.0	6.7	3.72	12.07	
		4.0	6.4	10.27	9.71	
		5.0	7.2	27.06	5.90	
		5.5	7.3	27.33	6.12	

TABLE 9. (continued)

Run 2. 2125 - 2250(PST) 21 March 1979.

STATION	TIME (PST)	DEPTH (m)	TEMP (C ⁰)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	2125	0.0	5.5	4.41	12.24	7.76
		2.0	6.0	4.63	12.12	
		4.0	6.2	5.19	12.19	
		5.0	6.3	7.31	11.89	
		6.4	7.0	26.15	7.97	
5	2138	0.0	5.5	4.18	12.20	7.77
		2.0	5.7	4.67	12.30	
		4.0	5.8	6.37	11.99	
		5.0	5.8	7.92	11.74	
		6.5	7.2	27.67	7.39	
4	2150	0.0	5.7	4.38	12.12	7.64
		2.0	5.7	4.82	12.03	
		4.0	5.8	5.71	11.92	
		5.0	5.8	6.71	11.69	
		6.1	7.2	27.55	6.17	
3	2204	0.0	7.6	3.67	12.03	7.59
		2.0	5.8	4.55	11.87	
		4.0	6.2	5.90	11.68	
		5.0	6.2	6.71	11.56	
		6.1	7.2	26.47	5.59	
2	2217	0.0	6.7	3.46	12.13	7.68
		2.0	6.7	3.76	12.10	
		4.0	6.2	6.01	11.49	
		5.0	6.1	7.43	11.44	
		6.3	7.2	27.21	5.37	
1	2237	0.0	5.3	2.54	12.47	7.81
		2.0	5.4	2.87	12.43	
		4.0	5.7	4.42	12.18	
		5.0	5.7	5.70	12.12	
		5.8	5.8	5.85	11.99	
		7.5	5.7	6.13	11.99	

TABLE 9. (continued)

Run 3. 2335(PST) 21 March 1979 - 0105 PST 22 March 1979.

STATION	TIME (PST)	DEPTH (m)	TEMP (C ^o)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	2337	0.0	5.6	5.97	11.95	7.71
		2.0	6.1	7.01	11.91	
		4.0	5.4	15.25	10.95	
		5.0	7.3	28.14	8.70	
		6.8	7.4	29.46	8.39	
5	2350	0.0	5.6	4.59	12.00	7.63
		2.0	5.6	5.53	12.10	
		4.0	6.2	8.18	11.87	
		5.0	7.4	17.00	10.39	
		7.6	7.3	28.98	8.46	
4	0012	0.0	5.7	4.43	11.88	7.53
		2.0	5.7	5.24	11.98	
		4.0	6.3	9.40	11.47	
		5.0	6.8	23.85	9.19	
		7.0	6.8	28.17	8.34	
3	0024	0.0	6.2	4.30	11.81	7.57
		2.0	5.9	5.11	11.81	
		4.0	6.2	11.27	11.21	
		5.0	6.8	23.35	8.94	
		6.8	7.2	28.15	6.46	
2	0038	0.0	6.2	3.89	11.80	7.57
		2.0	5.7	4.81	11.86	
		4.0	6.2	11.77	10.80	
		5.0	6.8	24.34	6.74	
		7.1	7.2	27.46	6.01	
1	0056	0.0	5.7	5.20	11.90	7.61
		2.0	5.8	6.83	12.02	
		4.0	5.9	8.61	11.56	
		5.0	6.7	18.81	9.85	
		7.2	7.4	28.20	8.51	

TABLE 9. (continued)

Run 4. 0155 - 1425 (PST) 22 March 1979.

STATION	TIME (PST)	DEPTH (m)	TEMP (C ⁰)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	0159	0.0	5.6	5.38	12.06	7.67
		2.0	6.4	8.40	11.62	
		4.0	7.8	21.29	9.84	
		5.0	7.4	29.24	8.40	
		7.5	7.4	29.85	8.38	
5	0215	0.0	5.6	4.79	11.93	7.63
		2.0	5.8	6.41	11.93	
		4.0	7.2	22.96	9.34	
		5.0	7.4	28.38	8.53	
		7.5	7.4	29.55	8.48	
4	0315	0.0	5.6	4.56	12.49	7.62
		2.0	5.7	7.01	11.92	
		4.0	7.2	26.29	8.38	
		5.0	7.3	27.64	8.40	
		6.5	7.4	28.84	8.16	
3	0335	0.0	5.7	4.38	12.45	7.61
		2.0	5.9	6.77	11.89	
		4.0	6.7	20.74	9.18	
		5.0	7.2	26.26	7.07	
		6.2	7.2	27.78	7.33	
2	0335	0.0	5.9	4.79	11.93	7.63
		2.0	5.8	6.77	11.80	
		4.0	6.6	21.84	7.56	
		5.0	6.7	25.98	6.11	
		6.8	6.6	27.64	6.19	
1	0420	0.0	5.9	7.05	11.90	7.76
		2.0	6.2	9.26	11.68	
		3.5	6.3	10.22	11.55	

TABLE 9. (continued)

Run 5. 0455 - 0630(PST) 22 March 1979.

STATION	TIME (PST)	DEPTH (m)	TEMP (C ⁰)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	0455	0.0	5.6	5.38	12.21	7.69
		2.0	6.4	10.25	11.50	
		4.0	7.6	23.80	9.59	
		5.0	7.5	27.20	9.07	
		6.5	7.4	29.28	8.62	
5	0510	0.0	5.8	4.85	12.36	7.64
		2.0	6.1	6.41	11.75	
		4.0	6.8	19.85	9.76	
		5.0	7.2	26.70	8.97	
		7.6	7.4	29.56	8.58	
4	0525	0.0	5.7	4.41	12.23	7.63
		2.0	6.0	6.71	11.82	
		4.0	6.7	18.50	9.44	
		6.2	7.3	28.66	8.66	
3	0544	0.0	5.8	5.41	12.16	7.54
		2.0	6.1	7.97	11.79	
		4.0	6.5	17.62	8.67	
		5.0	7.2	27.06	8.03	
		6.1	7.4	27.99	8.04	
2	0602	0.0	5.9	6.75	12.18	7.66
		2.0	5.9	7.85	11.75	
		4.0	6.6	20.60	8.49	
		5.0	7.1	26.70	6.90	
		6.3	7.2	27.58	6.97	
1	0621	0.0	5.6	4.91	12.71	
		2.0	5.7	6.11	12.06	
		4.0	7.1	10.08	11.57	

TABLE 9. (continued)

Run 6. 0700 - 0840(PST) 22 March 1979.

STATION	TIME (PST)	DEPTH (m)	TEMP (C ⁰)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	0700	0.0	5.7	5.20	12.30	7.78
		2.0	5.8	6.59	11.93	
		4.0	6.2	12.98	10.98	
		5.0	7.3	20.24	10.12	
		6.6	7.3	28.34	8.49	
5	0740	0.0	6.0	6.21	11.97	7.67
		2.0	6.0	7.37	11.54	
		4.0	6.1	11.40	10.72	
		5.0	7.1	26.05	8.40	
		7.3	7.4	29.16	8.53	
4	0752	0.0	5.9	5.62	11.74	7.65
		2.0	6.0	6.53	8.21	
		4.0	6.3	11.96	7.62	
		5.0	7.0	25.48	5.59	
		6.5	7.4	29.06	8.04	
3	0805	0.0	6.0	5.20	11.77	7.60
		2.0	5.9	7.37	11.66	
		4.0	6.4	15.25	9.45	
		5.0	7.0	26.19	6.38	
		6.1	7.3	28.57	7.61	
2	0822	0.0	5.8	5.50	12.04	7.67
		2.0	5.8	6.77	11.75	
		4.0	6.0	9.53	10.99	
		5.0	7.0	26.77	6.58	
		6.3	7.1	27.79	6.84	
1	0835	0.0	5.5	3.46	12.71	7.81
		2.0	5.5	4.29	12.31	
		4.0	5.9	9.34	11.75	
		5.0	6.1	11.00	11.65	
		5.7	6.0	14.84	10.81	

TABLE 9. (continued)

Run 7. 0905 - 1030(PST) 22 March 1979.

STATION	TIME (PST)	DEPTH (m)	TEMP (C°)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	0905	0.0	5.6	4.24	12.26	7.81
		2.0	5.7	5.34	12.06	
		4.0	6.3	12.85	11.14	
		5.0	6.5	14.77	10.81	
		6.4	7.3	28.54	8.62	
5	0925	0.0	5.8	5.91	11.79	7.76
		2.0	6.0	6.95	11.46	
		4.0	6.2	12.73	10.18	
		5.0	6.8	24.69	7.78	
		7.7	7.4	29.21	8.20	
4	0940	0.0	6.1	5.79	11.76	7.71
		2.0	5.9	6.77	11.49	
		4.0	6.3	11.52	10.41	
		5.0	6.8	22.03	8.17	
		6.3	7.2	28.01	8.02	
3	0955	0.0	6.3	5.27	11.28	7.39
		2.0	5.8	6.29	11.41	
		4.0	6.0	9.16	10.77	
		5.0	6.5	22.24	6.83	
		6.4	7.2	27.95	7.16	
2	1010	0.0	6.3	5.13	11.48	7.63
		2.0	5.8	5.99	11.36	
		4.0	6.2	11.52	9.89	
		5.0	6.3	16.01	9.08	
		6.7	7.2	27.84	6.83	
1	1025	0.0	5.3	~2.70	12.19	7.89
		2.0	5.5	~3.80	12.12	
		4.0	5.7	8.18	11.53	
		5.0	6.0	11.63	11.24	
		7.5	7.3	28.96	8.40	

TABLE 9. (continued)

Run 8. 1110 - 1225(PST) 22 March 1979.

STATION	TIME (PST)	DEPTH (m)	TEMP (C ⁰)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	1113	0.0	5.8	2.88	12.22	7.63
		2.0	5.9	3.56	12.17	
		4.0	6.4	14.27	10.79	
		5.0	7.2	29.39	8.41	
		7.2	7.2	29.81	8.38	
5	1125	0.0	6.4	5.47	11.50	7.41
		2.0	5.9	6.77	11.16	
		4.0	6.2	10.77	10.90	
		5.0	7.0	26.19	7.72	
		7.6	7.2	29.78	8.41	
4	1135	0.0	6.5	5.50	11.52	7.41
		2.0	6.1	6.29	11.28	
		4.0	6.2	12.15	10.56	
		5.0	6.9	25.91	6.72	
		6.7	7.2	28.21	7.69	
3	1150	0.0	6.6	5.44	10.76	7.13
		2.0	6.4	5.87	11.09	
		4.0	6.0	9.16	10.44	
		5.0	6.7	22.65	6.87	
		6.4	7.0	27.95	7.35	
2	1205	0.0	6.2	3.74	11.97	7.68
		2.0	6.3	5.49	11.45	
		4.0	5.8	8.79	10.52	
		5.0	6.5	21.13	6.84	
		6.6	7.0	27.25	6.41	
1	1220	0.0	5.8	1.63	12.29	7.79
		2.0	5.4	~3.50	12.08	
		4.0	5.8	8.79	11.57	
		5.0	6.1	11.38	11.10	
		7.5	7.2	28.74	8.36	

TABLE 9. (continued)

Run 9. 1325 - 1440(PST) 22 March 1979.

STATION	TIME (PST)	DEPTH (m)	TEMP (C ^o)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	1329	0.0	6.1	3.00	11.98	7.56
		2.0	6.5	4.58	11.94	
		4.0	6.1	11.71	10.77	
		5.0	7.2	28.51	8.80	
		6.5	7.0	29.06	8.47	
5	1347	0.0	6.9	5.56	9.86	7.07
		2.0	6.5	5.99	10.75	
		4.0	6.1	10.46	10.44	
		5.0	7.0	26.34	6.82	
		7.0	7.1	29.56	8.09	
4	1400	0.0	6.9	5.33	11.15	7.44
		2.0	6.6	5.70	11.09	
		4.0	6.1	10.77	10.03	
		5.0	6.9	27.06	6.90	
		6.0	7.2	28.56	7.80	
3	1415	0.0	6.4	3.57	11.80	7.59
		2.0	6.4	4.58	11.35	
		4.0	6.1	10.77	9.79	
		5.0	7.0	27.06	6.18	
		5.5	7.2	28.21	6.56	
2	1431	0.0	6.4	3.69	11.79	7.58
		2.0	6.2	4.72	11.47	
		4.0	6.3	15.25	9.63	
		5.0	7.0	26.70	6.25	
		5.5	7.0	27.12	6.22	

TABLE 9. (continued)

Run 10. 1525 - 1625(PST) 22 March 1979.

STATION	TIME (PST)	DEPTH (m)	TEMP (C ⁰)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	1525	0.0	6.1	~2.90	~11.70	7.74
		2.0	5.9	3.65	11.75	
		4.0	6.1	4.28	11.65	
		5.0	6.9	9.01	10.27	
		6.5	7.1	29.80	8.48	
5	1541	0.0	6.9	4.20	8.16	7.22
		2.0	6.8	5.34	8.04	
		4.0	6.7	19.92	8.41	
		5.0	7.0	27.78	7.58	
		6.0	7.1	-	~8.00	
4	1552	0.0	6.6	4.21	11.49	7.31
		2.0	6.7	5.58	11.19	
		4.0	6.7	21.36	7.31	
		5.0	7.1	28.14	7.52	
3	1606	0.0	6.8	3.80	12.04	7.59
		2.0	6.1	5.11	11.35	
		4.0	6.6	23.73	6.59	
		5.0	7.2	27.85	7.10	
2	1619	0.0	6.9	3.91	11.80	7.64
		2.0	6.2	4.75	11.52	
		4.0	6.8	24.01	6.27	
		5.0	7.0	27.42	5.77	

TABLE 9. (continued)

Run 11. 1655 - 1750(PST) 22 March 1979.

STATION	TIME (PST)	DEPTH (m)	TEMP (C°)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	1656	0.0	6.0	4.38	11.35	7.55
		2.0	5.9	4.72	11.34	
		4.0	6.0	5.84	11.29	
		5.0	5.9	6.59	11.44	
5	1706	0.0	6.8	4.16	11.22	7.14
		2.0	6.6	5.39	10.74	
		4.0	7.0	26.22	6.34	
		5.0	7.1	28.51	7.60	
		5.5	7.3	-	~7.50	
4	1717	0.0	7.1	4.08	11.50	7.05
		4.0	6.5	5.57	10.90	
		4.0	7.0	26.22	5.95	
		5.0	7.2	28.88	6.94	
3	1732	0.0	7.0	4.00	11.61	7.60
		2.0	6.9	4.93	11.33	
		4.0	7.0	26.36	6.00	
2	1742	0.0	7.1	4.03	11.74	7.59
		2.0	6.3	4.64	11.35	
		4.0	7.0	26.57	5.66	
		5.0	7.1	27.42	5.61	

TABLE 9. (continued)

Run 12. 1850 - 2115(PST) 22 March 1979.

STATION	TIME (PST)	DEPTH (m)	TEMP (C°)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
1	1853	0.0	6.4	5.32	11.89	7.54
		2.0	6.0	5.67	11.46	
		4.0	5.9	5.95	11.39	
		5.0	5.9	6.05	11.38	
		6.5	5.9	6.20	11.57	
8	1918	0.0	6.0	6.09	11.34	7.52
		2.0	6.0	6.35	11.52	
		4.0	6.0	6.79	11.44	
		4.8	6.0	6.87	11.44	
5	1954	0.0	6.8	4.27	-	7.23
		2.0	6.4	5.70	-	
		4.0	7.1	25.64	-	
		5.0	7.3	28.14	-	
		5.5	7.5	29.38	-	
4	2029	0.0	6.9	4.26	11.49	7.39
		2.0	4.0	5.76	11.48	
		4.0	6.6	20.26	8.27	
		5.0	7.4	28.44	6.67	
		5.2	7.5	28.90	6.48	
3	2048	0.0	7.1	4.04	12.09	7.35
		2.0	7.3	5.25	11.42	
		4.0	6.9	14.92	9.03	
		5.0	7.3	28.14	6.52	
		5.2	7.4	28.53	6.40	
2	2106	0.0	7.0	4.06	12.42	7.55
		2.0	6.4	4.67	12.31	
		4.0	6.5	15.18	9.15	
		5.0	7.1	27.13	6.12	
		5.5	7.2	27.99	5.43	

TABLE 10. Diurnal cycle of temperature, salinity, dissolved oxygen and pH in Cannery Channel and the adjacent Fraser River.

Run 1. 1531-1620 (PST) 12 September 1979

STATION	TIME (PST)	DEPTH (m)	TEMP. (C°)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	1531	6.0	17.0	0.84	9.68	8.02
		2.0	16.5	1.30	9.91	
		4.0	14.5	11.20	8.11	
		5.8	13.5	17.39	6.91	
5	1544	0.0	17.2	0.65	10.05	8.11
		2.0	17.0	0.79	10.14	
		4.0	16.5	1.75	10.28	
		5.0	12.5	21.84	6.51	
		6.9	11.0	27.92	5.38	
4	1554	0.0	17.5	0.62	5.05	8.15
		2.0	17.0	0.84	4.95	
		4.0	16.5	2.38	4.90	
		5.0	12.5	20.11	3.45	
		6.0	11.5	26.82	3.23	
3	1602	0.0	17.5	0.73	9.85	8.18
		2.0	17.0	0.84	9.94	
		4.0	16.5	3.18	9.80	
		5.7	11.7	24.78	5.97	
2	1610	0.0	17.2	0.93	9.82	8.14
		2.0	17.0	1.07	9.93	
		4.0	16.5	1.89	9.78	
		5.7	12.5	24.31	3.44	
1	1620	0.0	16.7	1.27	9.62	8.20
		2.0	16.7	1.61	9.60	
		4.0	16.5	2.75	9.72	
		5.5	14.5	12.80	7.81	

TABLE 10. (continued)

Run 2. 1730-1817 (PST) 12 September 1979

STATION	TIME (PST)	DEPTH (m)	TEMP. (C°)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	1730	0.0	16.7	2.15	9.56	7.97
		2.0	16.7	2.40	9.69	
		4.0	15.7	3.04	9.41	
		5.0	14.5	11.52	8.09	
		6.0	13.7	22.19	7.24	
5	1740	0.0	17.2	0.75	9.97	7.97
		2.0	17.0	1.05	10.09	
		4.0	16.5	2.53	10.13	
		5.0	13.7	15.40	7.54	
		6.0	11.5	26.82	5.67	
		7.0	11.2	27.77	5.35	
4	1748	0.0	17.2	0.73	10.13	8.05
		2.0	17.0	1.24	9.98	
		4.0	16.2	3.39	9.68	
		5.0	14.5	11.39	8.38	
		5.8	12.0	23.46	5.96	
3	1756	0.0	17.3	0.73	9.99	7.86
		2.0	17.0	0.94	9.84	
		4.0	16.3	3.36	9.39	
		5.5	12.0	25.74	4.60	
2	1804	0.0	17.5	0.79	9.95	7.69
		2.0	17.2	1.01	10.03	
		4.0	16.0	2.19	9.90	
		5.0	12.4	23.95	3.73	
		6.0	12.3	25.02	3.68	
1	1817	0.0	17.0	1.30	9.68	8.07
		2.0	16.7	1.49	9.70	
		4.0	16.7	1.47	9.70	
		5.0	16.5	5.38	9.37	
		6.0	15.5	9.45	8.52	

TABLE 10. (continued)

Run 3, 1945-2035 12 September 1979

STATION	TIME (PST)	DEPTH (m)	TEMP. (C°)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	1945	0.0	16.5	2.38	9.94	7.89
		2.0	16.5	2.49	10.04	
		4.0	16.0	4.29	10.02	
		5.0	14.5	10.89	9.00	
		6.0	10.7	26.82	6.05	
		6.7	10.5	29.39	5.63	
5	1956	0.0	17.0	1.01	9.93	7.90
		2.0	16.7	1.82	10.08	
		4.0	16.5	2.69	10.12	
		5.0	15.0	8.83	9.08	
		6.0	12.5	21.15	6.40	
		7.5	11.0	27.92	5.38	
4	2009	0.0	17.2	1.05	9.77	7.94
		2.0	17.0	1.89	9.88	
		4.0	15.7	5.40	9.56	
		5.0	14.5	12.48	8.23	
		6.0	13.5	16.39	6.95	
		6.5	11.5	26.46	5.00	
3	2023	0.0	17.2	1.06	9.83	8.08
		2.0	16.8	1.78	9.84	
		4.0	16.2	4.96	9.45	
		5.0	15.0	8.83	8.55	
		6.2	12.0	25.52	4.01	
2	2035	0.0	17.4	0.83	9.84	7.81
		2.0	17.2	0.96	10.03	
		4.0	16.5	3.88	9.27	
		5.0	14.9	10.57	7.76	
		6.0	14.3	14.74	5.93	
		6.7	12.5	23.95	3.62	
1	2050	0.0	17.0	0.36	9.77	7.74
		2.0	17.1	0.59	9.76	
		4.0	17.0	1.18	9.72	
		5.0	16.7	2.75	9.63	
		6.2	16.2	4.14	9.44	

TABLE 10. (continued)

Run 4. 2140-2240 12 September 1979

STATION	TIME (PST)	DEPTH (m)	TEMP. (C°)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	2140	0.0	16.7	1.82	9.94	7.71
		2.0	16.5	2.40	10.04	
		4.0	15.7	5.97	9.82	
		5.0	14.5	12.48	8.51	
		6.0	10.5	29.39	5.33	
		7.5	10.5	29.76	5.23	
5	2150	0.0	17.0	1.41	9.41	7.54
		2.0	16.7	1.92	9.64	
		4.0	15.6	6.15	8.65	
		5.0	14.5	13.44	7.54	
		6.0	11.5	26.46	5.51	
		7.5	10.7	28.80	5.10	
4	2200	0.0	17.0	1.09	9.73	7.77
		2.0	16.7	1.98	10.07	
		4.0	15.0	5.97	9.63	
		5.0	16.5	14.55	7.68	
		6.0	12.0	23.24	6.23	
		7.5	11.5	27.55	5.39	
3	2214	0.0	17.2	0.88	9.94	7.89
		2.0	17.0	1.24	10.12	
		4.0	15.7	5.38	9.47	
		5.0	14.5	13.12	7.83	
		6.5	11.7	26.17	4.12	
2	2224	0.0	17.2	0.76	4.95	7.92
		2.0	17.2	1.04	9.97	
		4.0	15.7	6.57	8.63	
		5.0	15.0	11.42	7.72	
		6.0	14.0	19.08	4.80	
		6.6	13.5	18.37	4.45	
1	2240	0.0	17.0	0.05	9.99	8.04
		2.0	17.0	0.24	10.22	
		4.0	16.7	1.21	10.32	
		5.0	15.6	7.06	9.47	
		6.0	13.5	14.76	7.93	
		7.5	11.0	28.65	5.36	

TABLE 10. (continued)

Run 5. 2342-0045 13 September 1979

STATION	TIME (PST)	DEPTH (m)	TEMP. (C°)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	2342	0.0	16.9	0.68	9.75	7.90
		2.0	16.9	0.79	9.89	
		4.0	16.8	1.86	9.72	
		5.0	16.3	2.89	9.42	
		6.0	10.8	28.43	5.55	
		7.0	10.7	28.95	5.53	
5	2356	0.0	17.1	1.15	9.60	7.43
		2.0	17.0	1.70	9.61	
		4.0	16.4	3.67	9.57	
		5.0	14.4	12.92	8.25	
		6.0	11.2	26.82	5.98	
		7.5	10.7	29.02	5.44	
4	0009	1.0	17.0	1.07	9.63	7.73
		2.0	17.0	1.31	9.69	
		4.0	16.2	4.52	9.07	
		5.0	14.6	11.14	8.37	
		6.0	11.6	26.68	5.17	
3	0019	0.0	16.9	1.14	9.63	7.83
		2.0	16.9	1.48	9.70	
		4.0	16.3	5.86	8.79	
		5.0	14.4	13.83	6.92	
		5.5	13.4	17.06	5.47	
2	0030	0.0	16.9	1.72	9.63	7.71
		2.0	16.6	2.03	9.06	
		4.0	16.1	4.55	9.09	
		5.0	13.2	22.47	3.83	
		6.0	12.1	25.45	3.50	
1	0045	0.0	16.8	0.56	9.80	7.82

TABLE 10. (continued)

Run 6. 0131-0232 13 September 1979

STATION	TIME (PST)	DEPTH (m)	TEMP. (C°)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	0131	0.0	16.9	1.31	9.69	7.70
		2.0	16.6	2.47	9.70	
		4.0	15.3	8.40	8.59	
		5.0	13.8	14.94	7.39	
		6.0	13.6	17.93	6.81	
5	0146	0.0	16.9	1.32	9.75	7.76
		2.0	16.7	1.69	9.91	
		4.0	15.4	7.18	8.96	
		5.0	12.0	24.09	5.19	
		6.0	10.8	28.87	5.36	
		6.5	10.7	28.87	5.14	
4	0210	0.0	16.8	1.37	9.55	
		2.0	16.8	1.74	9.69	
		4.0	15.5	7.42	8.85	
		5.0	11.6	26.46	4.69	
		5.5	11.2	27.48	5.06	
3	0221	0.0	16.7	1.69	9.59	7.45
		2.0	16.6	2.28	9.52	
		4.0	15.9	5.19	8.98	
		5.0	11.8	26.10	4.14	
2	0232	0.0	16.9	1.77	9.55	7.43
		2.0	16.5	2.63	9.63	
		4.0	15.9	5.39	9.02	
		5.0	12.0	26.32	3.86	

TABLE 10. (continued)

Run 7. 0334-0417 13 September 1979

STATION	TIME (PST)	DEPTH (m)	TEMP. (C°)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	0334	0.0	16.4	3.24	9.18	7.42
		2.0	16.1	4.05	9.16	
		4.0	16.0	4.79	9.12	
		5.0	15.9	4.80	9.23	
5	0347	0.0	16.8	1.44	9.71	7.38
		2.0	16.5	2.48	9.88	
		4.0	13.4	17.80	6.49	
		5.0	11.1	27.55	5.11	
		5.5	10.9	28.14	5.13	
4	0355	0.0	16.7	1.37	9.71	7.43
		2.0	16.6	2.01	9.89	
		4.0	13.4	19.02	5.49	
		5.0	11.0	28.14	4.98	
3	0406	0.0	16.6	1.59	9.48	7.32
		2.0	16.0	2.53	9.76	
		4.0	14.3	14.55	6.03	
2	0417	0.0	16.6	1.50	9.13	7.24
		2.0	16.2	2.93	9.65	
		4.0	12.7	24.38	3.18	
		4.5	12.0	25.52	3.58	

TABLE 10. (continued)

Run 8. 0534-0622 13 September 1978

STATION	TIME (PST)	DEPTH (m)	TEMP. (C°)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	0534	0.0	15.8	4.48	9.23	7.42
		2.0	15.8	4.51	9.23	
		4.0	15.7	4.63	9.24	
		5.0	15.7	4.83	9.17	
5	0544	0.0	16.6	1.79	9.68	7.40
		2.0	16.4	3.23	9.69	
		4.0	13.4	17.66	5.93	
		5.0	11.1	28.28	5.13	
		5.5	11.0	28.58	4.93	
4	0550	0.0	16.6	1.64	9.46	7.39
		2.0	16.5	2.86	9.50	
		4.0	13.4	10.07	5.32	
		4.5	11.6	26.62	4.41	
3	0559	0.0	16.6	1.43	9.61	7.44
		2.0	16.5	2.69	9.67	
		4.0	12.7	23.53	3.60	
2	0605	0.0	16.5	1.60	9.50	7.43
		2.0	16.2	2.99	9.67	
		4.0	12.7	24.24	3.19	
		4.5	12.2	25.24	3.26	
1	0622	0.0	16.6	0.81	9.71	7.46
		2.0	16.6	0.75	9.69	
		4.0	16.6	1.00	9.73	
		5.0	16.6	1.32	9.71	
		6.0	16.6	1.35	9.73	
		6.5	16.4	1.56	9.80	

TABLE 10. (continued)

Run 9. 0730- 0850 13 September 1979

STATION	TIME (PST)	DEPTH (m)	TEMP. (C°)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	0730	0.0	16.7	0.51	9.86	7.64
		2.0	16.7	1.01	9.83	
		4.0	16.7	1.24	9.82	
		5.0	16.7	1.24	9.82	
		5.5	16.5	1.30	10.07	
5	0735	0.0	16.5	2.11	9.63	7.44
		2.0	16.3	2.15	9.76	
		4.0	16.0	3.59	9.67	
		5.0	12.0	23.81	4.35	
		6.0	11.0	28.65	5.22	
4	0744	0.0	16.5	1.61	9.56	7.43
		2.0	16.3	2.61	9.73	
		4.0	15.7	5.47	9.17	
		5.0	12.3	25.02	3.68	
3	0756	0.0	16.6	1.69	9.45	7.46
		2.0	16.3	2.95	9.61	
		4.0	15.7	5.38	8.75	
		5.0	13.0	21.49	3.98	
2	0804	0.0	16.6	1.56	9.66	7.47
		2.0	16.3	2.61	9.67	
		4.0	15.3	9.63	8.24	
		5.0	12.2	25.38	3.16	
1	0850	0.0	16.7	0.04	9.79	7.66
		2.0	16.7	0.04	9.83	
		4.0	16.7	0.04	9.89	
		5.0	16.7	0.07	9.89	
		6.0	16.7	0.12	9.89	
		6.5	11.7	0.14	10.05	

TABLE 10. (continued)

Run 10. 0930-1035 13 September 1979

STATION	TIME (PST)	DEPTH (m)	TEMP. (C°)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	0930	0.0	16.7	0.79	9.85	7.60
		2.0	16.5	1.11	9.77	
		4.0	16.2	1.75	9.59	
		5.0	15.7	4.11	9.06	
		5.5	15.5	5.14	9.00	
5	0944	0.0	16.7	0.97	9.93	7.60
		2.0	16.5	1.07	9.93	
		4.0	15.9	3.76	9.41	
		5.0	15.7	4.95	9.41	
		6.0	12.0	20.80	5.13	
		7.0	10.9	28.14	5.24	
4	0953	0.0	16.7	1.04	9.63	7.60
		2.0	16.4	1.58	9.54	
		4.0	16.2	2.63	9.44	
		5.0	16.0	3.88	9.21	
		6.0	12.0	25.60	3.70	
3	1003	0.0	16.7	1.21	9.64	7.55
		2.0	16.5	1.62	9.54	
		4.0	16.3	2.95	9.12	
		5.0	15.7	3.79	8.88	
		6.0	14.5	15.60	5.53	
2	1015	0.0	16.7	1.79	9.29	7.50
		2.0	16.7	1.83	9.39	
		4.0	16.0	3.47	9.03	
		5.0	15.7	5.08	8.32	
		6.0	13.7	15.07	5.19	
		6.5	12.0	25.38	2.90	
1	1035	0.0	17.2	0.00	9.84	7.62
		2.0	17.0	0.00	9.76	
		4.0	17.0	0.00	9.76	
		5.0	17.0	0.00	9.75	
		6.0	16.7	0.01	9.69	
		7.0	17.6	0.04	9.89	

TABLE 10. (continued)

Run 11. 1136-1245 13 September 1979

STATION	TIME (PST)	DEPTH (m)	TEMP. (C°)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	1136	0.0	17.2	0.76	9.89	7.67
		2.0	16.7	1.86	9.58	
		4.0	16.3	4.41	9.62	
		5.0	16.3	10.26	8.66	
		6.0	11.5	24.31	6.36	
		6.5	11.5	26.82	6.35	
5	1150	0.0	16.7	1.21	9.62	7.62
		2.0	16.5	1.81	9.49	
		4.0	15.7	3.76	9.08	
		5.0	15.5	7.00	8.70	
		6.0	13.0	18.07	7.06	
		7.7	11.3	26.82	5.11	
4	1210	0.0	16.7	1.34	9.71	7.55
		2.0	16.5	1.95	9.58	
		4.0	15.7	3.94	9.01	
		5.0	15.1	9.32	8.54	
		6.0	12.7	17.39	6.28	
		6.7	12.5	23.24	4.85	
3	1220	0.0	17.0	1.36	9.51	7.72
		2.0	16.5	1.71	9.39	
		4.0	16.2	2.94	9.18	
		5.0	16.0	4.38	8.71	
		6.0	13.2	18.74	4.98	
		6.5	12.3	22.89	3.54	
2	1232	0.0	17.5	0.21	9.88	7.89
		2.0	17.2	1.03	9.63	
		4.0	16.5	2.07	9.27	
		5.0	16.0	3.76	8.90	
		6.0	13.7	19.42	4.03	
		6.5	12.7	22.33	3.38	
1	1245	0.0	17.3	0.07	9.95	7.76
		2.0	16.7	0.24	9.78	
		4.0	16.4	1.49	9.50	
		5.0	16.2	1.96	9.48	
		6.0	16.0	3.41	9.29	
		7.5	12.5	22.26	6.62	

TABLE 10. (continued)

Run 12. 1336-1430 13 September 1979

STATION	TIME (PST)	DEPTH (m)	TEMP. (C°)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	1336	0.0	17.4	0.58	10.16	7.88
		2.0	16.7	1.41	10.06	
		4.0	15.6	7.79	9.23	
		5.0	12.7	13.63	8.07	
		6.0	11.0	28.28	5.62	
		7.2	11.0	27.92	5.38	
5	1344	0.0	16.9	1.59	9.72	7.46
		2.0	16.4	2.08	9.49	
		4.0	15.5	5.80	8.86	
		5.0	14.0	11.08	8.17	
		6.0	11.4	26.46	5.80	
		7.7	11.2	27.48	4.97	
4	1352	0.0	17.2	2.08	9.25	7.40
		2.0	16.7	2.81	9.19	
		4.0	16.2	3.24	9.09	
		5.0	13.7	14.09	7.60	
		6.0	11.5	25.96	5.75	
		6.6	11.2	26.97	5.88	
3	1405	0.0	17.6	0.45	9.99	7.72
		2.0	17.2	1.24	9.76	
		4.0	16.2	3.95	8.89	
		5.0	13.8	13.25	5.74	
		6.3	11.3	26.46	3.43	
2	1418	0.0	17.5	0.33	10.07	7.84
		2.0	17.0	0.77	9.79	
		4.0	16.7	1.61	9.74	
		5.0	13.6	18.07	5.63	
		6.0	12.2	24.52	3.52	
		6.6	12.3	24.66	3.52	
1	1430	0.0	17.4	0.10	10.05	7.91
		2.0	17.1	0.32	10.01	
		4.0	16.3	2.02	9.57	
		5.0	15.7	3.65	9.36	
		6.0	13.5	17.73	7.25	
		6.5	12.3	22.68	6.11	

TABLE 10. (continued)

Run 13. 1538-1628 13 September 1979

STATION	TIME (PST)	DEPTH (m)	TEMP. (C°)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	1538	0.0	17.4	0.51	9.84	7.76
		2.0	17.4	1.28	9.76	
		4.0	16.2	3.86	9.13	
		5.0	15.6	4.22	9.19	
		6.0	11.9	26.75	5.78	
		7.0	11.1	28.50	5.28	
5	1550	0.0	17.4	1.03	9.85	7.61
		2.0	17.2	1.39	9.85	
		4.0	16.3	3.43	9.39	
		5.0	13.7	16.59	7.12	
		6.0	11.5	26.53	5.97	
		7.5	11.3	28.36	5.44	
4	1558	0.0	17.4	0.84	9.92	7.89
		2.0	17.3	1.22	9.82	
		4.0	16.1	3.34	9.35	
		5.0	13.2	19.02	6.77	
		6.0	11.5	26.98	5.35	
		6.5	11.5	27.04	5.24	
3	1603	0.0	17.4	0.86	9.82	7.86
		2.0	17.3	0.92	9.92	
		4.0	16.0	3.65	8.97	
		5.0	13.4	18.00	5.68	
		6.0	11.7	26.24	5.29	
2	1615	0.0	17.3	1.21	9.88	7.71
		2.0	17.1	1.27	9.99	
		4.0	16.6	2.38	9.77	
		5.0	12.7	22.61	3.58	
		6.0	12.1	25.60	3.52	
1	1628	0.0	17.1	0.48	9.84	7.90

TABLE 10. (continued)

Run 14. 1724-1820 13 September 1979

STATION	TIME (PST)	DEPTH (m)	TEMP. (C°)	SALINITY (‰)	DISS. OXYGEN (ppm)	pH
8	1724	0.0	16.9	2.02	9.79	7.78
		2.0	16.5	2.28	9.93	
		4.0	15.6	8.28	8.58	
		5.0	14.0	11.52	8.41	
		6.0	12.9	23.53	6.41	
		6.5	11.8	27.55	5.66	
5	1738	0.0	17.5	1.01	9.77	7.49
		2.0	17.2	1.26	9.92	
		4.0	15.4	7.73	8.34	
		5.0	12.9	19.84	6.59	
		6.0	11.5	26.82	5.44	
		7.0	11.2	28.28	5.36	
4	1754	0.0	17.5	1.02	9.65	7.53
		2.0	17.2	1.40	9.53	
		4.0	15.6	4.38	9.06	
		5.0	12.6	20.04	6.61	
		6.0	11.5	27.19	5.42	
3	1805	0.0	17.4	4.00	9.73	7.66
		2.0	17.1	4.35	9.84	
		4.0	16.4	7.97	9.34	
		5.0	12.6	18.00	5.25	
		6.0	11.6	19.02	4.17	
2	1812	0.0	17.2	2.00	9.79	7.56
		2.0	17.0	2.19	9.88	
		4.0	16.4	4.31	9.45	
		5.0	12.7	19.22	4.66	
		6.0	12.0	23.31	3.54	
1	1820	0.0	16.9	1.24	9.68	7.70
		2.0	17.0	1.69	9.73	
		4.0	16.6	2.98	9.63	
		5.0	15.0	11.08	8.56	
		6.0	14.7	12.09	8.17	
		7.0	14.6	12.41	8.05	

Sediments

Trips 2C1 - 21C8: February - December 1979

Tables 11 - 18: General Characteristics

Tables 19 - 26: Heavy Metals and Hydrocarbons

TABLE 11. General characteristics of sediments from the Steveston area, trip 2C1, February 1979.

STATION	DEPTH* m	ORGANIC Carbon % C	KJELDAHL Nitrogen % N	TOTAL Phosphorus % P	VOLATILE Fraction %	MEDIAN Particle μ	SORTING COEF. Sφ	SEDIMENT COMPONENTS			
								Clay %	Silt %	Sand %	Gravel %
1D	4.5	0.73	0.01	0.059	1.86	150	2.03	5.2	21.8	73.0	0.0
1S	1.0	0.31	<0.01	0.043	0.44	265	1.44	0.0	0.0	100.0	0.0
2D	4.0	0.81	<0.01	0.086	3.47	17	2.50	20.2	72.8	7.0	0.0
2S	1.0	0.81	0.01	0.087	3.01	22	2.47	16.0	68.6	15.4	0.0
3D	5.0	0.90	<0.01	0.092	3.40	16	2.17	18.0	77.6	4.4	0.0
3S	1.5	0.78	<0.01	0.096	3.99	12	1.94	19.8	75.8	4.4	0.0
4D	5.0	0.84	<0.01	0.079	3.22	41	2.19	10.5	62.6	26.9	0.0
4S	1.5	0.32	<0.01	0.036	0.65	348	1.27	0.0	0.0	99.4	0.6
5D	5.5	0.69	<0.01	0.083	2.62	20	2.41	18.0	68.9	13.0	0.0
5S	1.5	0.25	<0.01	0.037	0.62	338	1.25	0.0	0.0	99.9	0.1
6D	5.0	0.42	<0.01	0.042	0.81	338	1.24	0.0	0.0	99.8	0.2
6S	1.0	0.25	<0.01	0.043	0.71	313	1.32	0.0	0.0	99.8	0.2

The following tables report all values on a dry weight basis.

Depths are corrected to chart datum by applying a sine curve interpolation of tide tables.

TABLE 12. General characteristics of sediments from the Steveston area, trip 5C2, March 1979.

STATION	DEPTH*	ORGANIC Carbon % C	KJELDAHL Nitrogen % N	TOTAL Phosphorus % P	VOLATILE Fraction %	MEDIAN Particle μ	SORTING		SEDIMENT COMPONENTS		
	m						COEF. S ϕ	Clay %	Silt %	Sand %	Gravel %
1D	4.8	0.72	0.030	0.090	4.5	24	2.68	16.4	61.7	21.9	0.0
1S	0.9	0.22	0.016	0.053	1.3	194	1.51	0.0	0.0	100.0	0.0
2D	4.6	0.85	0.041	0.092	3.6	15	2.52	20.3	71.4	8.3	0.0
2S	0.9	0.60	0.044	0.095	2.9	15	2.26	20.3	72.7	6.9	0.0
3D	4.7	0.63	0.028	0.094	2.6	17	2.10	19.0	77.3	3.7	0.0
3S	0.8	0.73	0.027	0.095	3.5	15	2.10	18.1	76.6	5.3	0.0
4D	5.1	0.91	0.038	0.096	4.6	26	2.84	18.0	61.9	20.1	0.0
4S	3.7	0.34	0.008	0.046	1.5	323	1.29	0.0	0.0	99.8	0.2
5D	5.4	0.64	0.015	0.077	2.9	55	3.26	11.5	43.1	45.4	0.0
5S	1.5	0.15	0.005	0.043	0.6	308	1.33	0.0	0.0	100.0	0.0
6D	5.1	0.18	0.001	0.042	0.5	340	1.23	0.0	0.0	99.9	0.1
6S	0.9	0.19	0.004	0.050	1.0	277	1.60	0.0	0.0	97.2	2.9

TABLE 13. General characteristics of sediments from the Steveston area, trip 8C3, May 1979.

STATION	DEPTH* m	ORGANIC Carbon % C	KJELDAHL Nitrogen % N	TOTAL Phosphorus % P	VOLATILE Fraction %	MEDIAN Particle μ	SORTING COEF. $S\phi$	SEDIMENT COMPONENTS			
								Clay %	Silt %	Sand %	Gravel %
1D	5.0	0.34	0.016	0.075	2.2	46	3.32	11.5	47.4	41.2	0.0
1S	1.3	0.15	0.008	0.052	0.9	204	1.55	0.0	0.0	100.0	0.0
2D	4.5	0.65	0.069	0.105	3.6	7	2.91	35.4	60.2	4.4	0.0
2S	1.0	0.60	0.024	0.083	2.5	24	2.24	15.1	70.9	13.9	0.0
3D	4.2	0.71	0.031	0.096	2.0	15	2.72	24.3	71.9	3.8	0.0
3S	1.0	0.64	0.022	0.089	2.0	18	2.23	18.6	76.0	5.4	0.0
4D	4.4	0.94	0.036	0.096	3.7	8	3.12	34.8	59.7	5.6	0.0
4S	0.8	0.22	0.002	0.043	0.5	337	1.30	0.0	0.0	99.7	0.3
5D	5.7	0.72	0.031	0.091	2.6	11	3.94	30.8	52.3	16.9	0.0
5S	1.1	0.12	0.003	0.046	0.4	335	1.24	0.0	0.0	100.0	0.0
6D	4.7	0.14	0.003	0.043	0.3	337	1.25	0.0	0.0	99.9	0.1
6S	1.0	0.10	0.002	0.043	0.6	323	1.26	0.0	0.0	99.8	0.2

TABLE 14. General characteristics of sediments from the Steveston area, trip 11C4, June 1979.

STATION	DEPTH m	ORGANIC Carbon % C	KJELDAHL Nitrogen % N	TOTAL Phosphorus % P	VOLATILE Fraction %	MEDIAN Particle μ	SORTING COEF. $S\phi$	SEDIMENT COMPONENTS			
								Clay %	Silt %	Sand %	Gravel %
1D	5.4	0.63	0.024	0.063	1.9	58	4.38	12.0	39.2	48.8	0.0
1S	1.1	0.37	0.018	0.094	1.7	89	3.40	11.1	34.8	54.1	0.0
2D	3.6	0.70	0.014	0.075	2.2	29	2.03	13.2	69.6	17.2	0.0
2S	0.8	0.75	0.019	0.086	2.1	28	2.07	14.2	73.4	12.3	0.0
3D	3.6	0.89	0.041	0.079	2.6	18	2.16	18.3	77.7	4.0	0.0
3S	1.2	0.71	0.023	0.089	1.9	20	2.03	16.7	76.7	6.6	0.0
4D	3.5	0.65	0.060	0.081	3.4	13	2.39	24.4	72.6	3.0	0.0
4S	1.2	0.79	0.012	0.056	1.0	324	1.31	0.0	0.0	99.9	0.1
5D	5.6	0.72	0.035	0.080	3.3	14	2.20	22.0	75.6	2.4	0.0
5S	1.2	0.40	0.006	0.050	0.6	308	1.35	0.0	0.0	99.9	0.1
6D	4.3	0.31	0.001	0.042	0.6	316	1.29	0.0	0.0	100.0	0.0
6S	1.6	0.45	0.006	0.061	0.7	312	1.33	0.0	0.0	100.0	0.0

TABLE 15. General characteristics of sediments from the Steveston area, trip 14C5, July - August 1979.

STATION	DEPTH m	ORGANIC Carbon % C	KJELDAHL Nitrogen % N	TOTAL Phosphorus % P	VOLATILE Fraction %	MEDIAN Particles μ	SORTING COEF. S _φ	SEDIMENT COMPONENTS			
								Clay %	Silt %	Sand %	Gravel %
1D	5.5	0.16	0.012	0.048	1.1	268	1.52	0.0	0.0	100.0	0.0
1S	0.5	0.30	0.006	0.045	0.9	210	1.52	0.0	0.0	100.0	0.0
2D	4.1	0.52	0.034	0.073	2.4	27	2.40	14.4	71.6	14.0	0.0
2S	1.3	0.55	0.047	0.073	3.1	35	1.99	13.3	77.6	9.1	0.0
3D	3.7	0.53	0.023	0.077	2.6	16	2.25	19.4	77.7	2.9	0.0
3S	0.7	0.53	0.018	0.077	3.6	18	2.40	18.7	78.3	3.0	0.0
4D	4.5	0.55	0.030	0.091	3.9	8	2.51	30.3	69.0	0.7	0.0
4S	0.9	0.15	0.007	0.047	0.8	338	1.26	0.0	0.0	99.9	0.1
5D	5.2	0.56	0.023	0.082	3.4	8	2.16	29.6	69.9	0.5	0.0
5S	1.8	0.21	0.004	0.041	0.7	339	1.25	0.0	0.0	99.9	0.1
6D	4.8	0.12	-	0.039	0.5	323	1.26	0.0	0.0	100.0	0.0
6S	0.5	0.18	0.007	0.042	1.3	200	2.52	9.5	17.1	71.0	2.4
9D	4.7	0.51	0.025	0.087	3.1	11	2.42	25.9	73.3	0.8	0.0

TABLE 16. General characteristics of sediments from the Steveston area, trip 17C6, September, 1979.

STATION	DEPTH m	ORGANIC Carbon % C	KJELDAHL Nitrogen % N	TOTAL Phosphorus % P	VOLATILE Fraction %	MEDIAN Particle μ	SORTING COEF. $S\phi$	SEDIMENT COMPONENTS			
								Clay %	Silt %	Sand %	Gravel %
1D	8.5	0.44	0.033	0.067	2.0	143	3.74	14.5	24.7	60.5	0.3
1S	1.0	0.29	0.012	0.049	0.6	226	1.48	0.0	0.0	100.0	0.0
2D	4.9	0.62	0.042	0.080	2.0	18	2.78	16.3	71.3	12.4	0.0
2S	1.0	0.54	0.068	0.084	2.6	25	2.36	12.2	78.5	9.3	0.0
3D	4.2	0.65	0.035	0.085	3.2	11	2.25	21.8	75.4	2.7	0.0
3S	1.0	0.59	0.027	0.087	1.8	17	1.97	13.2	84.1	2.7	0.0
4D	4.5	0.66	0.058	0.090	3.8	9	2.64	28.2	70.1	1.7	0.0
4S	1.3	0.65	0.009	0.036	0.8	353	1.26	0.0	0.0	99.4	0.6
5D	4.5	0.69	0.033	0.091	3.7	11	2.19	24.7	70.45	4.7	0.0
5S	1.5	0.29	0.007	0.047	1.0	311	1.40	0.0	0.0	99.9	0.1
6D	4.9	0.14	0.009	0.046	0.6	318	1.27	0.0	0.0	100.0	0.0
6S	2.2	0.25	0.008	0.059	1.1	258	2.06	8.4	19.3	61.2	11.1
9S	2.0	0.54	0.071	0.092	2.9	9	2.42	25.7	69.5	4.8	0.0

TABLE 17. General characteristics of sediments from the Steveston area, trip 19C7, October 1979.

STATION	DEPTH m	ORGANIC Carbon % C	KJELDAHL Nitrogen % N	TOTAL Phosphorus % P	VOLATILE Fraction %	MEDIAN Particle μ	SORTING COEF. $S\phi$	SEDIMENT COMPONENTS			
								Clay %	Silt %	Sand %	Gravel %
1D	6.8	0.30	0.022	0.089	2.7	25	2.81	15.1	59.2	25.7	0.0
1S	2.1	0.35	0.011	0.054	1.1	261	1.50	0.0	0.0	100.0	0.0
2D	4.6	0.65	0.026	0.087	2.9	17	2.47	17.7	73.1	9.2	0.0
2S	1.2	0.62	0.022	0.086	2.3	33	1.89	8.0	79.7	12.3	0.0
3D	4.8	0.70	0.071	0.109	3.8	9	1.96	20.4	77.9	1.7	0.0
3S	1.7	0.58	0.026	0.092	3.1	14	1.78	15.5	83.1	1.4	0.0
4D	4.8	0.61	0.035	0.089	3.9	15	2.86	24.3	70.4	5.3	0.0
4S	1.5	0.59	0.007	0.042	0.5	337	1.25	0.0	0.0	100.0	0.0
5D	6.2	0.66	0.048	0.091	2.7	19	2.67	18.0	63.9	18.2	0.0
5S	1.0	0.27	0.002	0.046	0.6	343	1.24	0.0	0.0	99.1	0.9
6D	5.2	0.15	0.008	0.047	0.7	341	1.23	0.0	0.0	98.8	1.2
6S	0.7	0.28	0.010	0.049	0.9	221	1.83	0.0	0.0	99.0	1.0
9S	4.8	0.49	0.049	0.094	3.4	10	2.28	24.7	69.5	5.8	0.0

TABLE 18. General characteristics of sediments from the Steveston area, trip 21C8, December 1979.

STATION	DEPTH m	ORGANIC Carbon % C	KJELDAHL Nitrogen % N	TOTAL Phosphorus % P	VOLATILE Fraction %	MEDIAN Particle μ	SORTING COEF. S_{ϕ}	SEDIMENT COMPONENTS			
								Clay %	Silt %	Sand %	Gravel %
1D	5.6	0.39	0.009	0.046	1.3	219	1.91	6.8	15.2	76.8	1.1
1S	1.1	0.33	0.005	0.045	0.5	275	-	-	-	61.4	0.0
2D	4.5	0.59	0.028	0.089	19.2	20	2.71	16.1	70.5	13.4	0.0
2S	1.0	0.49	0.023	0.077	3.8	30	1.85	9.1	79.6	11.3	0.0
3D	4.4	0.62	0.046	0.096	2.8	11	2.20	19.3	75.4	5.2	0.0
3S	1.2	0.55	0.029	0.085	4.2	19	1.83	12.5	80.1	7.4	0.0
4D	5.1	0.76	0.042	0.095	3.1	15	2.58	18.7	72.3	8.9	0.0
4S	1.3	0.51	0.008	0.033	0.4	319	1.31	0.0	0.0	97.1	2.9
5D	6.0	0.62	0.031	0.080	2.7	41	2.43	13.9	46.2	39.9	0.0
5S	1.8	0.33	0.005	0.046	1.5	319	1.27	0.0	0.0	99.8	0.2
6D	5.4	0.18	0.002	0.042	0.3	336	1.26	0.0	0.0	100.0	0.0
6S	1.4	0.22	0.005	0.039	2.1	304	1.36	0.0	0.0	99.3	0.7
9S	2.5	0.47	0.076	-	2.5	17	2.62	14.6	63.9	20.2	1.2

TABLE 19. Heavy metals and hydrocarbons in sediments from the Steveston area, trip 2C1, February 1979.

STATION	COPPER ppm Cu	ZINC ppm Zn	LEAD ppm Pb	CADMIUM ppm Cd	CHROMIUM ppm	NICKEL ppm Ni	IRON % Fe	MERCURY ppm Hg	HYDROCARBONS Fluorescence ppm	HYDROCARBONS GLC ppm
1D	27.1	71.8	29.3	<0.5	-	45.0	3.79	0.03	4.7	-
1S	20.0	62.5	27.5	<0.5	-	43.5	3.03	0.05	2.7	-
2D	48.7	110.	23.5	<0.5	-	52.0	4.58	0.06	76.	16.
2S	49.8	116.	30.0	<0.5	-	51.0	5.01	0.34	23.	-
3D	52.2	116.	35.0	<0.5	-	43.0	4.97	0.04	24.	-
3S	48.8	104.	32.5	<0.5	-	44.5	4.65	0.06	23.	-
4D	39.2	94.2	37.5	<0.5	-	46.5	4.02	0.03	41.	25.
4S	17.9	54.0	38.0	<0.5	-	30.0	2.56	0.005	1.4	-
5D	49.6	106.	27.0	<0.5	-	50.5	4.70	0.05	27.	11.
5S	16.1	49.7	26.5	<0.5	-	31.5	2.78	0.03	0.25	-
6D	23.1	62.5	48.0	<0.5	-	36.5	3.27	0.22	0.36	-
6S	17.3	50.6	29.0	<0.5	-	30.5	2.72	0.17	0.42	-

TABLE 20. Heavy metals and hydrocarbons in sediments from the Steveston area, trip 5C2, March 1979.

STATION	COPPER ppm Cu	ZINC ppm Zn	LEAD ppm Pb	CADMIUM ppm Cd	CHROMIUM ppm Cr	NICKEL ppm Ni	IRON % Fe	MERCURY ppm Hg	HYDROCARBONS Fluorescence ppm	HYDROCARBONS GLC ppm
1D	39.7	88.3	25.5	0.3	139.	45.5	3.96	0.08	0.76	-
1S	26.7	87.8	23.0	1.0	135.	24.0	2.75	0.14	14.	-
2D	48.5	104.	25.5	0.5	80.	53.0	4.72	0.14	152.	42.
2S	68.3	106.	34.0	1.1	85.	48.5	4.53	0.25	69.	25.
3D	55.0	95.4	27.0	0.5	81.	51.0	4.50	0.20	56.	-
3S	38.3	98.8	30.2	0.4	108.	49.5	4.40	0.11	43.	-
4D	43.8	94.3	45.5	0.2	149.	50.0	3.99	0.03	64.	30.
4S	19.0	49.6	32.5	0.3	121.	32.0	2.82	0.09	25.	-
5D	35.8	95.0	29.2	0.5	116.	54.0	4.03	0.15	33.	-
5S	10.8	45.8	29.7	0.3	149.	36.0	2.92	0.09	19.	-
6D	37.8	61.2	55.0	0.6	177.	40.5	2.99	0.26	12.	-
6S	17.8	53.0	20.0	0.4	141.	40.0	2.82	0.14	4.1	-

TABLE 21. Heavy metals and hydrocarbons in sediments from the Steveston area, trip 8C3, May 1979.

STATION	COPPER ppm Cu	ZINC ppm Zn	LEAD ppm Pb	CADMIUM ppm Cd	CHROMIUM ppm Cr	NICKEL ppm Ni	IRON % Fe	MERCURY ppm Hg	HYDROCARBONS Fluorescence ppm	HYDROCARBONS GLC ppm
1D	39.5	88.0	20.5	0.5	136.	51.5	4.19	0.13	0.24	-
1S	18.0	52.0	14.0	<0.1	167.	36.5	3.02	0.14	5.4	-
2D	57.5	107.	23.5	0.1	81.	57.5	4.30	0.10	51.	3.8
2S	41.0	96.0	31.0	0.2	86.	49.0	4.05	0.13	28.	-
3D	53.5	107.	26.0	0.2	85.	53.5	4.42	0.05	34.	5.6
3S	48.0	105.	12.5	<0.1	107.	54.0	4.22	0.10	23.	-
4D	59.5	113.	26.5	<0.1	92.	59.5	4.45	0.11	32.	5.0
4S	14.5	45.5	36.0	0.3	122.	37.0	2.51	0.14	3.9	-
5D	53.5	115.	26.5	0.1	104.	49.5	4.25	0.10	12.	-
5S	9.0	58.0	32.0	0.2	145.	33.0	2.35	0.10	1.7	-
6D	16.0	48.5	60.0	0.2	152.	29.0	2.53	0.11	0.54	-
6S	12.0	50.0	10.5	0.2	144.	17.0	2.30	0.09	0.47	-

TABLE 22. Heavy metals and hydrocarbons in sediments from the Steveston area, trip 11C4, June 1979.

STATION	COPPER ppm Cu	ZINC ppm Zn	LEAD ppm Pb	CADMIUM ppm Cd	CHROMIUM ppm Cr	NICKEL ppm Ni	IRON % Fe	MERCURY ppm Hg	HYDROCARBONS Fluorescence ppm	HYDROCARBONS GLC ppm
1D	31.5	61.5	45.0	0.3	103.	47.5	4.17	0.18	37.1	4.2
1S	27.0	66.0	18.5	<0.1	110.	45.5	3.63	0.12	9.9	-
2D	33.0	70.0	18.5	0.4	83.	46.0	4.09	1.07	5.9	-
2S	37.5	85.5	34.5	<0.1	95.	48.0	3.92	0.19	8.6	-
3D	36.5	131.	19.0	<0.1	88.	53.0	4.21	0.20	8.1	-
3S	38.5	85.5	19.0	<0.1	77.	47.5	4.14	0.21	8.1	-
4D	42.0	80.5	12.5	<0.1	66.	50.5	4.46	0.22	15.	3.9
4S	24.5	43.0	37.0	<0.1	91.	35.5	2.34	0.09	4.0	-
5D	40.5	79.5	14.0	<0.1	61.	48.0	4.34	0.30	13.	7.0
5S	18.5	51.0	16.0	<0.1	118.	35.0	3.23	0.12	8.7	-
6D	10.5	32.5	8.0	0.1	133.	38.5	2.77	0.08	0.99	-
6S	20.0	48.0	17.0	<0.1	115.	40.5	2.92	0.13	1.1	-

TABLE 23 . Heavy metals and hydrocarbons in sediments from the Steveston area, trip 14C5, July-August 1979.

STATION	COPPER ppm Cu	Zinc ppm Zn	LEAD ppm Pb	CADMIUM ppm Cd	CHROMIUM ppm Cr	NICKEL ppm Ni	IRON % Fe	MERCURY ppm Hg	HYDROCARBONS Fluorescence ppm	HYDROCARBONS GLC ppm
1D	16.0	48.0	47.5	<0.1	106.	41.5	2.63	0.05	12.	-
1S	19.0	60.5	54.0	<0.1	112.	48.5	3.01	0.07	10.	-
2D	34.5	93.5	18.5	<0.1	58.	47.0	3.85	0.06	86.	7.2
2S	33.5	86.5	9.0	<0.1	51.	52.5	4.07	0.10	10.	-
3D	39.5	94.0	9.0	<0.1	58.	46.5	4.12	0.12	11.	-
3S	35.5	90.5	17.0	<0.1	53.	47.0	3.97	0.11	6.3	-
4D	41.0	108.	9.5	<0.1	63.	52.5	4.51	0.09	19.	17.0
4S	11.5	47.0	12.5	<0.1	110.	42.5	2.30	0.05	5.1	-
5D	47.0	102.	19.5	<0.1	56.	59.0	4.60	0.08	22.	24.0
5S	17.5	48.5	13.5	<0.1	92.	35.5	2.50	0.06	3.9	-
6D	13.0	43.0	12.0	<0.1	121.	40.5	2.48	0.09	0.76	-
6S	18.0	49.0	5.5	<0.1	123.	41.0	2.69	0.10	3.5	-
9D	42.0	98.0	14.5	<0.1	57.	57.5	4.40	0.11	13.	-

TABLE 24. Heavy metals and hydrocarbons in sediments from the Steveston area, trip 17C6, September 1979.

STATION	COPPER ppm Cu	ZINC ppm Zn	LEAD ppm Pb	CADMIUM ppm Cd	CHROMIUM ppm Cr	NICKEL ppm Ni	IRON % Fe	MERCURY ppm Hg	HYDROCARBONS Fluorescence ppm	HYDROCARBONS GLC ppm
1D	48.0	89.5	90.5	<0.1	110.	49.0	3.53	0.07	28.	7.5
1S	29.0	62.5	31.5	<0.1	99.	45.0	3.90	0.06	16.	-
2D	44.0	98.5	20.0	<0.1	49.	53.5	4.16	0.07	23.	-
2S	36.5	97.5	12.0	<0.1	83.	46.0	4.16	0.07	11.	-
3D	49.5	105.	26.0	<0.1	61.	57.5	4.52	0.08	19.	-
3S	39.5	94.5	22.5	<0.1	60.	53.0	4.20	0.07	13.	-
4D	50.0	126.0	17.0	<0.1	47.	60.0	4.66	0.08	30.	46.
4S	18.0	55.5	21.0	<0.1	90.	41.0	2.63	0.04	22.	-
5D	49.0	149.	14.0	<0.1	86.	57.5	4.48	0.08	18.	-
5S	18.5	83.5	4.5	<0.1	88.	43.0	2.73	0.05	31.	-
6D	14.0	49.5	4.5	<0.1	100.	32.0	2.76	0.05	0.92	-
6S	21.5	69.5	28.0	<0.1	86.	39.5	3.33	0.05	11.6	-
9S	43.5	145.	24.0	<0.1	60.	54.5	4.52	0.09	31.	16.

TABLE 25. Heavy metals and hydrocarbons in sediments from the Steveston area, trip 19C7. October 1979.

STATION	COPPER ppm Cu	ZINC ppm Zn	LEAD ppm Pb	CADMIUM ppm Cd	CHROMIUM ppm Cr	NICKEL Ni	IRON % Fe	MERCURY ppm Hg	HYDROCARBONS FLUORESCENCE ppm	HYDROCARBONS GLC ppm
1D	35.0	72.5	72.0	<0.1	109.	47.5	3.29	0.06	23.	20
1S	26.5	64.5	35.5	<0.1	103.	46.5	3.35	0.07	11.	-
2D	36.0	93.5	19.0	<0.1	52.0	51.0	4.05	0.08	19.	-
2S	38.5	99.5	15.5	<0.1	76.	44.0	4.02	0.09	12.	-
3D	42.0	110.0	22.0	<0.1	67.	51.5	4.36	0.10	17.	-
3S	36.0	96.0	21.0	<0.1	62.0	50.0	4.15	0.08	11.	-
4D	44.0	118.	15.0	<0.1	53.0	57.0	4.62	0.09	27.	27.
4S	17.0	54.0	22.0	<0.1	98.	44.0	2.29	0.03	15.	-
5D	47.5	145.	15.0	<0.1	71.	59.0	4.45	0.08	17.	-
5S	19.0	79.0	9.0	<0.1	87.	42.5	2.93	0.06	22.	-
6D	15.5	51.0	11.5	<0.1	105.	34.5	2.69	0.08	0.87	-
6S	21.0	61.0	27.0	<0.1	89.	41.0	3.02	0.10	7.2	-
9S	42.0	137.	25.0	<0.1	55.	48.0	4.29	0.08	27.	18.

TABLE 26 . Heavy metals and hydrocarbons in sediments from the Steveston area, trip 21C8, December 1979.

STATION	COPPER ppm Cu	ZINC ppm Zn	LEAD ppm Pb	CADMIUM ppm Cd	CHROMIUM ppm Cr	NICKEL ppm Ni	IRON % Fe	MERCURY ppm Hg	HYDROCARBONS FLUORESCENCE ppm	HYDROCARBONS GLC ppm
1D	43.5	82.5	85.5	<0.1	105.	44.0	3.67	0.07	18.	-
1S	31.0	66.5	37.5	<0.1	98.	41.5	3.48	0.08	12.	-
2D	39.0	84.0	18.0	<0.1	53.	47.0	4.21	0.08	17.	-
2S	37.0	96.5	14.5	<0.1	88.	41.5	4.18	0.08	10.	-
3D	47.0	103.	27.4	<0.1	63.	59.0	4.44	0.09	19.	-
3S	41.5	92.0	23.0	<0.1	60.	47.0	4.10	0.06	17.	-
4D	52.5	129.	16.0	<0.1	58.	55.5	4.67	0.09	28.	22.
4S	20.5	50.5	20.5	<0.1	88.	28.0	2.35	0.05	21.	-
5D	44.5	137.	14.5	<0.1	67.	53.5	4.37	0.09	25.	17.
5S	17.5	77.5	8.5	<0.1	69.	41.5	2.67	0.05	17.	-
6D	17.0	57.5	7.5	<0.1	107.	31.5	2.81	0.07	0.95	-
6S	20.0	73.5	25.5	<0.1	79.	37.5	3.27	0.08	12.	-
9S	44.5	128.	23.5	<0.1	54.	47.0	4.49	0.09	28.	21.

Appendix B

Benthos

Trip 2C1: 7 - 9 February 1979

Note: Refer to Part 1 (Main Report)
for species list of benthos.

STATION: 2C1- 1D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.0 LITERS

DATE: 8 FEBRUARY 1979 TIME (PST) 17:25
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.3 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	19	1	0.50,W	-	1.0
NEMATODA	17078	66	0.25,SS	1/ 4	920.5
PARANAIS FRICI	56	3	0.50,W	-	3.0
PARANAIS LITORALIS	389	7	0.50,W	-	20.9
TUBIFICIDAE DAM. AND JUV.	3129	71	0.25,SS	1/ 4	168.6
		7	0.25,SS	1/ 4	
ETEONE LONGA	37	2	0.50,W	-	2.0
NEREIS LIMNICOLA	278	15	0.50,W	-	15.0
MACOMA BALTHICA	93	5	0.50,W	-	5.0
MACOMA JUV.	74	4	0.50,W	-	4.0
HARPACTICOIDA 2	776	3	0.25,SS	1/ 4	41.8
HARPACTICOIDA 3	518	2	0.25,SS	1/ 4	27.9
CYCLOPOIDA SP.1	263	1	0.25,SS	1/ 4	14.2

STATION: 2C1- 1D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 1.3 LITERS

DATE: 8 FEBRUARY 1979 TIME (PST) 17:25
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.4 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	9705	1	0.50,W	-	523.1
		59	0.25,SS	1/ 4	
PARANAIS LITORALIS	19	1	0.50,W	-	1.0
TUBIFICIDAE DAM. AND JUV.	1009	19	0.50,W	-	54.4
		4	0.25,SS	1/ 4	
ETEONE LONGA	19	1	0.50,W	-	1.0
NEREIS LIMNICOLA	204	11	0.50,W	-	11.0
MACOMA BALTHICA	74	4	0.50,W	-	4.0
COROPHIUM SPINICORNE	19	1	0.50,W	-	1.0

STATION: 2C1- 1S1

DATE: 8 FEBRUARY 1979

TIME (PST) 17:00

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 2.0 LITERS

DEPTH BELOW CHART DATUM: 1.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	45023	87	0.25,SS	1/ 8	2426.8
ROTIFERA	518	1	0.25,SS	1/ 8	27.9
PARANAIS FRICI	19	1	0.50,W	-	1.0
PARANAIS LITORALIS	703	10	0.50,W	-	37.9
		1	0.25,SS	1/ 8	
TUBIFICIDAE DAM. AND JUV.	56	3	0.50,W	-	3.0
ETEONE LONGA	37	2	0.50,W	-	2.0
NEREIS LIMNICOLA	37	2	0.50,W	-	2.0
NEOMYSIS AWATSCHENSIS	518	1	0.25,SS	1/ 8	27.9
GAMMARID JUV.	19	1	0.50,W	-	1.0
HARPACTICOIDA 6	5175	10	0.25,SS	1/ 8	278.9

STATION: 2C1- 152
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 1.7 LITERS

DATE: 8 FEBRUARY 1979 TIME (PST) 17:00
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	227	1	0.25,SS	1/ 4	12.2
NEMATODA	12043	53	0.25,SS	1/ 4	649.1
PARANAIS FRICI	19	1	0.50,W	-	1.0
PARANAIS LITORALIS	19	1	0.50,W	-	1.0
AMPHICHAETA SPP.	19	1	0.50,W	-	1.0
TUBIFICIDAE DAM. AND JUV.	682	3	0.25,SS	1/ 4	36.7
NEREIS LIMNICOLA	19	1	0.50,W	-	1.0
COROPHIUM SALMONIS	37	2	0.50,W	-	2.0
HARPACTICOIDA 6	1136	5	0.25,SS	1/ 4	61.2
HARPACTICOIDA 9	227	1	0.25,SS	1/ 4	12.2

STATION: 2C1- 2D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 6.0 LITERS

DATE: 8 FEBRUARY 1979 TIME (PST) 10:20
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	13061	44	0.25,SF	1/ 16	704.0
PARANAIS FRICI	297	1	0.25,SF	1/ 16	16.0
PARANAIS LITORALIS	5937	20	0.25,SF	1/ 16	320.0
AMPHICHAETA SANNIO	6234	21	0.25,SF	1/ 16	336.0
ETEONE LONGA	37	2	0.25,W	-	2.0
CAPITELLA CAPITATA	891	48	0.25,W	-	48.0
MACOMA BALTHICA	19	1	0.25,W	-	1.0
GAMMARID JUV.	297	1	0.25,SF	1/ 16	16.0
HARPACTICOIDA 2	594	2	0.25,SF	1/ 16	32.0
HARPACTICOIDA 3	5640	19	0.25,SF	1/ 16	304.0
HARPACTICOIDA 4	297	1	0.25,SF	1/ 16	16.0

STATION: 2C1- 2D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 5.2 LITERS

DATE: 8 FEBRUARY 1979 TIME (PST) 10:30
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	13655	46	0.25,SF	1/ 16	736.0
PARANAIS LITORALIS	5343	18	0.25,SF	1/ 16	288.0
AMPHICHAETA SANNIO	6531	22	0.25,SF	1/ 16	352.0
ETEONE LONGA	37	2	0.25,W	-	2.0
CAPITELLA CAPITATA	1521	82	0.25,W	-	82.0
MACOMA BALTHICA	19	1	0.25,W	-	1.0
NEOMYSIS AWATSCHENSIS	19	1	0.25,W	-	1.0
HALACARIDAE	19	1	0.25,W	-	1.0
HARPACTICOIDA 3	1781	6	0.25,SF	1/ 16	96.0
HARPACTICOIDA 4	297	1	0.25,SF	1/ 16	16.0

STATION: 2C1- 2S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 3.1 LITERS

DATE: 8 FEBRUARY 1979 TIME (PST) 10:44
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	28497	24	0.25,SF	1/ 64	1536.0
PARANAIS FRICI	13061	11	0.25,SF	1/ 64	704.0
PARANAIS LITORALIS	14249	12	0.25,SF	1/ 64	768.0
TUBIFICIDAE DAM. AND JUV.	1224	2	0.25,W	-	66.0
		1	0.25,SF	1/ 64	
NEREIS LIMNICOLA	130	7	0.25,W	-	7.0
CAPITELLA CAPITATA	19	1	0.25,W	-	1.0
HARPACTICOIDA 2	9499	8	0.25,SF	1/ 64	512.0
HARPACTICOIDA 3	16623	14	0.25,SF	1/ 64	896.0

STATION: 2C1- 2S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.5 LITERS

DATE: 8 FEBRUARY 1979 TIME (PST) 10:46
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	61744	52	0.25,SF	1/ 64	3328.0
PARANAIS FRICI	18998	16	0.25,SF	1/ 64	1024.0
PARANAIS LITORALIS	11892	1	0.25,W	-	641.0
		10	0.25,SF	1/ 64	
AMPHICHAETA SANNIO	7124	6	0.25,SF	1/ 64	384.0
TUBIFICIDAE DAM. AND JUV.	4935	10	0.25,W	-	266.0
		4	0.25,SF	1/ 64	
ETEONE LONGA	19	1	0.25,W	-	1.0
NEREIS LIMNICOLA	148	8	0.25,W	-	8.0
AMPHICTEIS SPP.	1224	2	0.25,W	-	66.0
		1	0.25,SF	1/ 64	
HARPACTICOIDA 2	2375	2	0.25,SF	1/ 64	128.0
HARPACTICOIDA 3	10686	9	0.25,SF	1/ 64	576.0
HARPACTICOIDA 4	1187	1	0.25,SF	1/ 64	64.0

STATION: 2C1- 3D1

DATE: 7 FEBRUARY 1979

TIME (PST) 16:45

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 4.2 LITERS

DEPTH BELOW CHART DATUM: 5.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	398961	84	0.25, SF	1/256	21504.0
PARANAIS LITORALIS	4750	1	0.25, SF	1/256	256.0
ETEONE LONGA	37	2	0.25, W	-	2.0
CAPITELLA CAPITATA	1484	80	0.25, W	-	80.0
HARPACTICOIDA 3	4750	1	0.25, SF	1/256	256.0

STATION: 2C1- 3D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.7 LITERS

DATE: 7 FEBRUARY 1979 TIME (PST) 16:53
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 5.4 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	594	2	0.25,SF	1/ 16	32.0
NEMATODA	170983	576	0.25,SF	1/ 16	9216.0
PARANAIS FRICI	297	1	0.25,SF	1/ 16	16.0
PARANAIS LITORALIS	5640	19	0.25,SF	1/ 16	304.0
TUBIFICIDAE DAM. AND JUV.	19	1	0.25,W	-	1.0
NEREIS LIMNICOLA	19	1	0.25,W	-	1.0
CAPITELLA CAPITATA	6252	289	0.25,W	-	337.0
		3	0.25,SF	1/ 16	
POLYDORA LIGNI	19	1	0.25,W	-	1.0
MACOMA BALTHICA	19	1	0.25,W	-	1.0
BIVALVIA DAM. AND JUV.	297	1	0.25,SF	1/ 16	16.0
CUMELLA VULGARIS	297	1	0.25,SF	1/ 16	16.0
HARPACTICOIDA 2	1484	5	0.25,SF	1/ 16	80.0
HARPACTICOIDA 3	2968	10	0.25,SF	1/ 16	160.0
HARPACTICOIDA 6	594	2	0.25,SF	1/ 16	32.0
HARPACTICOIDA 7	297	1	0.25,SF	1/ 16	16.0

STATION: 2C1- 351
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 3.9 LITERS

DATE: 7 FEBRUARY 1979 TIME (PST) 17:00
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	594	1	0.25,SF	1/ 32	32.0
NEMATODA	42152	71	0.25,SF	1/ 32	2272.0
PARANAIS FRICI	10686	18	0.25,SF	1/ 32	576.0
PARANAIS LITORALIS	1187	2	0.25,SF	1/ 32	64.0
TUBIFICIDAE DAM. AND JUV.	1002	22	0.25,W	-	54.0
		1	0.25,SF	1/ 32	
ETEONE LONGA	37	2	0.25,W	-	2.0
NEREIS LIMNICOLA	241	13	0.25,W	-	13.0
CAPITELLA CAPITATA	19	1	0.25,W	-	1.0
AMPHICTEIS SPP.	612	1	0.25,W	-	33.0
		1	0.25,SF	1/ 32	
CYCLOPOIDA SP. 1	1781	3	0.25,SF	1/ 32	96.0
HARPACTICOIDA 2	92616	156	0.25,SF	1/ 32	4992.0
HARPACTICOIDA 3	32653	55	0.25,SF	1/ 32	1760.0
HARPACTICOIDA 4	594	1	0.25,SF	1/ 32	32.0
HARPACTICOIDA 6	594	1	0.25,SF	1/ 32	32.0

STATION: 2C1- 3S2

DATE: 7 FEBRUARY 1979

TIME (PST) 17:10

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 4.7 LITERS

DEPTH BELOW CHART DATUM: 1.4 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	58182	49	0.25,SF	1/ 64	3136.0
PARANAIS FRICI	21447	4	0.25,W	-	1156.0
		18	0.25,SF	1/ 64	
PARANAIS LITORALIS	2375	2	0.25,SF	1/ 64	128.0
AMPHICHAETA SANNIO	1187	1	0.25,SF	1/ 64	64.0
TUBIFICIDAE DAM. AND JUV.	10315	172	0.25,W	-	556.0
		6	0.25,SF	1/ 64	
ETEONE LONGA	56	3	0.25,W	-	3.0
NEREIS LIMNICOLA	1243	3	0.25,W	-	67.0
		1	0.25,SF	1/ 64	
CYCLOPOIDA SP. 1	18998	16	0.25,SF	1/ 64	1024.0
HARPACTICOIDA 2	74805	63	0.25,SF	1/ 64	4032.0
HARPACTICOIDA 3	22560	19	0.25,SF	1/ 64	1216.0
HARPACTICOIDA 4	10686	9	0.25,SF	1/ 64	576.0
HARPACTICOIDA 8	1187	1	0.25,SF	1/ 64	64.0

STATION: 2C1- 4D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 3.2 LITERS

DATE: 7 FEBRUARY 1979 TIME (PST) 15:30
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 5.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	895195	123	0.25,W	-	48251.0
		752	0.25,SF	1/ 64	
PARANAIS LITORALIS	45362	13	0.25,W	-	2445.0
		38	0.25,SF	1/ 64	
CAPITELLA CAPITATA	5121	212	0.25,W	-	276.0
		1	0.25,SF	1/ 64	
MACOMA BALTHICA	111	6	0.25,W	-	6.0
MACOMA JUV.	111	6	0.25,W	-	6.0
HARPACTICOIDA 2	1187	1	0.25,SF	1/ 64	64.0
HARPACTICOIDA 3	3562	3	0.25,SF	1/ 64	192.0

STATION: 2C1- 4D2

DATE: 7 FEBRUARY 1979

TIME (PST) 15:37

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 3.4 LITERS

DEPTH BELOW CHART DATUM: 5.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	1158887	488	0.25,SF	1/128	62464.0
PARANAIS LITORALIS	68868	29	0.25,SF	1/128	3712.0
AMPHICHAETA SANNIO	4750	2	0.25,SF	1/128	256.0
CAPITELLA CAPITATA	4564	118	0.25,W	-	246.0
		1	0.25,SF	1/128	
MACOMA BALTHICA	130	7	0.25,W	-	7.0
MACOMA JUV.	2375	1	0.25,SF	1/128	128.0
HARPACTICOIDA 3	9499	4	0.25,SF	1/128	512.0

STATION: 2C1- 451
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.6 LITERS

DATE: 7 FEBRUARY 1979 TIME (PST) 16:00
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 2.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	11829	79	0.25,SS	-	637.6
PARANAIS LITORALIS	224	4	0.50,W	-	12.1
		1	0.25,SS	-	
ENCHYTRAEIDAE DAM. AND JUV.	150	1	0.25,SS	-	8.1
MACOMA JUV.	19	1	0.50,W	-	1.0
COROPHIUM SALMONIS	19	1	0.50,W	-	1.0
HARPACTICOIDA 3	150	1	0.25,SS	-	8.1
HARPACTICOIDA 4	2396	16	0.25,SS	-	129.1

STATION: 2C1- 452
LOCATION: STEVESTON HARBOUR
VOLUME OF SAMPLE: 4.4 LITERS

DATE: 7 FEBRUARY 1979 TIME (PST) 16:10
GRAB: .054 METRES **2 PONAR GRAB
DEPTH BELOW CHART DATUM: 1.3 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
PARANAIS LITORALIS	19	1	0.50 μ W	-	1.0
TUBIFICIDAE DAM. AND JUV.	37	2	0.50 μ W	-	2.0
MARIONINA SPP.	56	3	0.50 μ W	-	3.0
CALANOIDA (PELAGIC)	37	2	0.50 μ W	-	2.0

STATION: 2C1- 5D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.2 LITERS

DATE: 7 FEBRUARY 1979 TIME (PST) 14:00
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 5.7 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	1232505	519	0.25,SF	1/128	66432.0
PARANAIS LITORALIS	16716	5	0.25,W	-	901.0
		7	0.25,SF	1/128	
ETEONE LONGA	74	4	0.25,W	-	4.0
CAPITELLA CAPITATA	2134	115	0.25,W	-	115.0
PRIONOSPIO SP. DAM.	19	1	0.25,W	-	1.0
MACOMA BALTHICA	93	5	0.25,W	-	5.0
MACOMA JUV.	111	6	0.25,W	-	6.0
HARPACTICOIDA 3	9499	4	0.25,SF	1/128	512.0
HARPACTICOIDA 7	2375	1	0.25,SF	1/128	128.0

STATION: 2C1- 5D2

DATE: 7 FEBRUARY 1979

TIME (PST) 14:05

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 2.8 LITERS

DEPTH BELOW CHART DATUM: 5.7 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	1814323	191	0.25,SF	1/512	97792.0
PARANAIS LITORALIS	93	5	0.25,W	-	5.0
ETEONE LONGA	93	5	0.25,W	-	5.0
CAPITELLA CAPITATA	2635	142	0.25,W	-	142.0
PRIONOSPPIO SP. DAM.	19	1	0.25,W	-	1.0
POLYDORA LIGNI	19	1	0.25,W	-	1.0
MACOMA BALTHICA	93	5	0.25,W	-	5.0
MACOMA JUV.	315	17	0.25,W	-	17.0
BIVALVIA DAM. AND JUV.	9499	1	0.25,SF	1/512	512.0
HARPACTICOIDA 3	9499	1	0.25,SF	1/512	512.0

STATION: 2C1- 5S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.9 LITERS

DATE: 7 FEBRUARY 1979 TIME (PST) 14:26
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.3 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	4957	31	0.25,SS	-	267.2
PARANAIS LITORALIS	338	1	0.50,W	-	18.2
		2	0.25,SS	-	
ETEONE LONGA	160	1	0.25,SS	-	8.6
CAPITELLA CAPITATA	160	1	0.25,SS	-	8.6
POLYDORA LIGNI	160	1	0.25,SS	-	8.6
MYSIDACEA DAM. AND JUV.	37	2	0.50,W	-	2.0
GAMMARID JUV.	56	3	0.50,W	-	3.0
HARPACTICOIDA 3	640	4	0.25,SS	-	34.5

STATION: 2C1- 5S2
LOCATION: STEVESTON HARBOUR
VOLUME OF SAMPLE: 5.1 LITERS

DATE: 7 FEBRUARY 1979 TIME (PST) 14:32
GRAB: .054 METRES **2 PONAR GRAB
DEPTH BELOW CHART DATUM: 1.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	4680	28	0.25,SS	-	252.2
PARANAIS FRICI	167	1	0.25,SS	-	9.0
TUBIFICIDAE DAM. AND JUV.	186	1	0.50,W	-	10.0
HARPACTICOIDA 7	167	1	0.25,SS	-	9.0

STATION: 2C1- 6D1

DATE: 9 FEBRUARY 1979

TIME (PST) 08:55

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 2.5 LITERS

DEPTH BELOW CHART DATUM: 5.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	1292	2	0.25,SS	1/ 8	69.7
NEMATODA	242983	376	0.25,SS	1/ 8	13096.8
NEOMYSIS AWATSCHENSIS	19	1	0.50,W	-	1.0
PARAPHOXUS MILLERI	665	1	0.50,W	-	35.8
		1	0.25,SS	1/ 8	
CALANOIDA (PELAGIC)	646	1	0.25,SS	1/ 8	34.8
HARPACTICOIDA 4	646	1	0.25,SS	1/ 8	34.8
HARPACTICOIDA 6	646	1	0.25,SS	1/ 8	34.8

STATION: 2C1- 6D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.5 LITERS

DATE: 9 FEBRUARY 1979 TIME (PST) 09:20
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.6 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	97581	604	0.25,SS	1/ 2	5259.6
TUBIFICIDAE DAM. AND JUV.	162	1	0.25,SS	1/ 2	8.7
ETEONE LONGA	19	1	0.50,W	-	1.0
NEREIS LIMNICOLA	19	1	0.50,W	-	1.0
NEOMYSIS AWATSCHENSIS	19	1	0.50,W	-	1.0
LAMPROPS FASICATA	19	1	0.50,W	-	1.0
COROPHIUM SALMONIS	19	1	0.50,W	-	1.0
PARAPHOXUS MILLERI	342	1	0.50,W	-	18.4
		2	0.25,SS	1/ 2	
GAMMARID JUV.	180	1	0.50,W	-	9.7
		1	0.25,SS	1/ 2	
HARPACTICOIDA 6	969	6	0.25,SS	1/ 2	52.2

STATION: 2C1- 6S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.5 LITERS

DATE: 8 FEBRUARY 1979 TIME (PST) 15:48
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	8367	451	0.25,W	-	451.0
PARANAIS FRICI	56	3	0.25,W	-	3.0
PARANAIS LITORALIS	19	1	0.25,W	-	1.0
NEREIS LIMNICOLA	19	1	0.25,W	-	1.0
ISOPODA DAM. AND JUV.	19	1	0.25,W	-	1.0
PARAPHOXUS MILLERI	19	1	0.25,W	-	1.0
CYCLOPOIDA SP. 1	19	1	0.25,W	-	1.0
CALANOIDA (PELAGIC)	37	2	0.25,W	-	2.0
HARPACTICOIDA 2	111	6	0.25,W	-	6.0
HARPACTICOIDA 3	37	2	0.25,W	-	2.0
HARPACTICOIDA 4	19	1	0.25,W	-	1.0
HARPACTICOIDA 6	56	3	0.25,W	-	3.0

STATION: 2C1- 6S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.9 LITERS

DATE: 8 FEBRUARY 1979 TIME (PST) 15:50
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.3 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	25409	1	0.50,W	-	1369.5
		263	0.25,SS	-	
PARANAIS FRICI	19	1	0.50,W	-	1.0
PARANAIS LITORALIS	115	1	0.50,W	-	6.2
		1	0.25,SS	-	
LIMNODRILOIDES DAM. AND JUV.	19	1	0.50,W	-	1.0
TUBIFICIDAE DAM. AND JUV.	694	1	0.50,W	-	37.4
		7	0.25,SS	-	
ENCHYTRAEIDAE DAM. AND JUV.	97	1	0.25,SS	-	5.2
COROPHIUM SALMONIS	19	1	0.50,W	-	1.0
PARAPHOXUS MILLERI	97	1	0.25,SS	-	5.2
HARPACTICOIDA 6	290	3	0.25,SS	-	15.6

Benthos

Trip 5C2: 19 - 23 March 1979

STATION: 5C2- 1D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 5.9 LITERS

DATE: 20 MARCH 1979 TIME (PST) 18:10
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 6.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	18404	31	0.25,SF	1/ 32	992.0
PARANAIS FRICI	2968	5	0.25,SF	1/ 32	160.0
PARANAIS LITORALIS	4750	8	0.25,SF	1/ 32	256.0
NEREIS LIMNICOLA	56	3	0.25,W	-	3.0
MACOMA BALTHICA	186	10	0.25,W	-	10.0
COROPHIUM JUV.	594	1	0.25,SF	1/ 32	32.0
GAMMARID JUV.	1206	1	0.25,W	-	65.0
		2	0.25,SF	1/ 32	
CHIRONOMIDAE LARVAE	594	1	0.25,SF	1/ 32	32.0
HARPACTICOIDA 2	4156	7	0.25,SF	1/ 32	224.0
HARPACTICOIDA 3	594	1	0.25,SF	1/ 32	32.0
HARPACTICOIDA 11	1781	3	0.25,SF	1/ 32	96.0

STATION: 5C2- 102

DATE: 20 MARCH 1979

TIME (PST) 18:14

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 2.9 LITERS

DEPTH BELOW CHART DATUM: 6.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	148	1	0.25,SF	1/ 8	8.0
NEMATODA	8163	55	0.25,SF	1/ 8	440.0
PARANAIS FRICI	891	6	0.25,SF	1/ 8	48.0
PARANAIS LITORALIS	1206	1	0.25,W	-	65.0
		8	0.25,SF	1/ 8	
TUBIFICIDAE DAM. AND JUV.	148	1	0.25,SF	1/ 8	8.0
ETEONE LONGA	186	2	0.25,W	-	10.0
		1	0.25,SF	1/ 8	
NEREIS LIMNICOLA	148	8	0.25,W	-	8.0
MACOMA BALTHICA	315	17	0.25,W	-	17.0
MACOMA JUV.	260	6	0.25,W	-	14.0
		1	0.25,SF	1/ 8	
GAMMARID JUV.	1206	1	0.25,W	-	65.0
		8	0.25,SF	1/ 8	
CYCLOPOIDA SP. 1	148	1	0.25,SF	1/ 8	8.0
CALANOIDA (PELAGIC)	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 2	4304	29	0.25,SF	1/ 8	232.0
HARPACTICOIDA 3	2968	20	0.25,SF	1/ 8	160.0
HARPACTICOIDA 4	1187	8	0.25,SF	1/ 8	64.0
HARPACTICOIDA 10	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 11	148	1	0.25,SF	1/ 8	8.0

STATION: 5C2- 1S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.2 LITERS

DATE: 20 MARCH 1979 TIME (PST) 12:20
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: .8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	36782	521	0.25,SS	-	1982.6
PARANAIS LITORALIS	71	1	0.25,SS	-	3.8
ETEONE LONGA	19	1	0.50,W	-	1.0
NEREIS LIMNICOLA	19	1	0.50,W	-	1.0
ISOPODA DAM. AND JUV.	71	1	0.25,SS	-	3.8
HARPACTICOIDA 2	565	8	0.25,SS	-	30.4
HARPACTICOIDA 4	71	1	0.25,SS	-	3.8
HARPACTICOIDA 6	424	6	0.25,SS	-	22.8

STATION: 5C2- 1S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.4 LITERS

DATE: 20 MARCH 1979 TIME (PST) 12:30
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: .9 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	24179	312	0.25,SS	-	1303.2
TUBIFICIDAE DAM. AND JUV.	681	20	0.50,W	-	36.7
		4	0.25,SS	-	
MACOMA BALTHICA	19	1	0.50,W	-	1.0
GAMMARID JUV.	77	1	0.25,SS	-	4.2
HARPACTICOIDA 6	697	9	0.25,SS	-	37.6

STATION: 5C2- 2D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.2 LITERS

DATE: 19 MARCH 1979 TIME (PST) 15:25
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	9796	33	0.25,SF	1/ 16	528.0
PARANAIS LITORALIS	4249	5	0.25,W	-	229.0
		14	0.25,SF	1/ 16	
CAPITELLA CAPITATA	1095	27	0.25,W	-	59.0
		2	0.25,SF	1/ 16	
AMPHARETE SP. A	19	1	0.25,W	-	1.0
HALACARIDAE	297	1	0.25,SF	1/ 16	16.0
HARPACTICOIDA 2	297	1	0.25,SF	1/ 16	16.0
HARPACTICOIDA 3	1187	4	0.25,SF	1/ 16	64.0

STATION: 5C2- 2D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 5.4 LITERS

DATE: 19 MARCH 1979 TIME (PST) 15:30
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.4 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	7866	53	0.25,SF	1/ 8	424.0
PARANAIS LITORALIS	6364	7	0.25,W	-	343.0
		42	0.25,SF	1/ 8	
AMPHICHAETA SANNIO	612	1	0.25,W	-	33.0
		4	0.25,SF	1/ 8	
CAPITELLA CAPITATA	594	32	0.25,W	-	32.0
CALANOIDA (PELAGIC)	297	2	0.25,SF	1/ 8	16.0
HARPACTICOIDA 2	742	5	0.25,SF	1/ 8	40.0
HARPACTICOIDA 3	1039	7	0.25,SF	1/ 8	56.0
HARPACTICOIDA 9	148	1	0.25,SF	1/ 8	8.0

STATION: 5C2- 251
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.4 LITERS

DATE: 19 MARCH 1979 TIME (PST) 15:57
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: .7 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	9202	62	0.25,SF	1/ 8	496.0
PARANAIS FRICI	761	1	0.25,W	-	41.0
		5	0.25,SF	1/ 8	
PARANAIS LITORALIS	1484	10	0.25,SF	1/ 8	80.0
AMPHICHAETA SANNIO	148	1	0.25,SF	1/ 8	8.0
TUBIFICIDAE DAM. AND JUV.	1058	17	0.25,W	-	57.0
		5	0.25,SF	1/ 8	
NEREIS LIMNICOLA	37	2	0.25,W	-	2.0
AMPHICTEIS SPP.	19	1	0.25,W	-	1.0
EOGAMMARUS CONFERVICOLUS	37	2	0.25,W	-	2.0
EOGAMMARUS JUV.	297	2	0.25,SF	1/ 8	16.0
HARPACTICOIDA 2	297	2	0.25,SF	1/ 8	16.0
HARPACTICOIDA 3	297	2	0.25,SF	1/ 8	16.0
HARPACTICOIDA 4	594	4	0.25,SF	1/ 8	32.0
HARPACTICOIDA 13	148	1	0.25,SF	1/ 8	8.0

STATION: 5C2- 252

DATE: 19 MARCH 1979

TIME (PST) 16:08

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 2.5 LITERS

DEPTH BELOW CHART DATUM: 1.4 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	30872	52	0.25,SF	1/ 32	1664.0
PARANAIS FRICI	2393	1	0.25,W	-	129.0
		4	0.25,SF	1/ 32	
PARANAIS LITORALIS	13228	9	0.25,W	-	713.0
		22	0.25,SF	1/ 32	
AMPHICHAETA SANNIO	1187	2	0.25,SF	1/ 32	64.0
TUBIFICIDAE DAM. AND JUV.	1020	23	0.25,W	-	55.0
		1	0.25,SF	1/ 32	
ETEONE LONGA	19	1	0.25,W	-	1.0
NEREIS LIMNICOLA	56	3	0.25,W	-	3.0
AMPHICTEIS SPP.	56	3	0.25,W	-	3.0
MACOMA JUV.	19	1	0.25,W	-	1.0
HARPACTICOIDA 2	5343	9	0.25,SF	1/ 32	288.0
HARPACTICOIDA 3	14249	24	0.25,SF	1/ 32	768.0
HARPACTICOIDA 11	594	1	0.25,SF	1/ 32	32.0

STATION: 5C2- 3D1

DATE: 19 MARCH 1979

TIME (PST) 14:10

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 3.9 LITERS

DEPTH BELOW CHART DATUM: 4.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	144267	486	0.25,SF	1/ 16	7776.0
PARANAIS LITORALIS	3562	12	0.25,SF	1/ 16	192.0
AMPHICHAETA SANNIO	297	1	0.25,SF	1/ 16	16.0
ETEONE LONGA	19	1	0.25,W	-	1.0
CAPITELLA CAPITATA	2505	135	0.25,W	-	135.0
CALANOIDA (PELAGIC)	297	1	0.25,SF	1/ 16	16.0
HARPACTICOIDA 3	2375	8	0.25,SF	1/ 16	128.0
HARPACTICOIDA 4	594	2	0.25,SF	1/ 16	32.0
HARPACTICOIDA 7	297	1	0.25,SF	1/ 16	16.0

STATION: 5C2- 302

DATE: 19 MARCH 1979

TIME (PST) 14:20

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 5.0 LITERS

DEPTH BELOW CHART DATUM: 4.8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	149017	251	0.25,SF	1/ 32	8032.0
PARANAIS LITORALIS	3562	6	0.25,SF	1/ 32	192.0
CAPITELLA CAPITATA	2171	117	0.25,W	-	117.0
CALANOIDA (PELAGIC)	1187	2	0.25,SF	1/ 32	64.0
HARPACTICOIDA 3	2968	5	0.25,SF	1/ 32	160.0

STATION: 5C2- 3S1 DATE: 19 MARCH 1979 TIME (PST) 14:40
 LOCATION: STEVESTON HARBOUR GRAB: .054 METRES **2 PONAR GRAB
 VOLUME OF SAMPLE: 4.3 LITERS DEPTH BELOW CHART DATUM: 1.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	23451	79	0.25,SF	1/ 16	1264.0
PARANAIS FRICI	9258	3	0.25,W	-	499.0
		31	0.25,SF	1/ 16	
PARANAIS LITORALIS	594	2	0.25,SF	1/ 16	32.0
AMPHICHAETA SANNIO	297	1	0.25,SF	1/ 16	16.0
TUBIFICIDAE DAM. AND JUV.	9573	116	0.25,W	-	516.0
		25	0.25,SF	1/ 16	
ETEONE LONGA	19	1	0.25,W	-	1.0
NEREIS LIMNICOLA	56	3	0.25,W	-	3.0
CAPITELLA CAPITATA	19	1	0.25,W	-	1.0
AMPHICTEIS SPP.	19	1	0.25,W	-	1.0
CYCLOPOIDA SP. 1	5343	18	0.25,SF	1/ 16	288.0
HARPACTICOIDA 2	18998	64	0.25,SF	1/ 16	1024.0
HARPACTICOIDA 3	9833	2	0.25,W	-	530.0
		33	0.25,SF	1/ 16	

STATION: 5C2- 3S2

DATE: 19 MARCH 1979

TIME (PST) 14:50

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 4.1 LITERS

DEPTH BELOW CHART DATUM: .8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	31466	53	0.25,SF	1/ 32	1696.0
PARANAIS FRICI	22022	3	0.25,W	-	1187.0
		37	0.25,SF	1/ 32	
PARANAIS LITORALIS	3562	6	0.25,SF	1/ 32	192.0
AMPHICHAETA SANNIO	594	1	0.25,SF	1/ 32	32.0
TUBIFICIDAE DAM. AND JUV.	4527	52	0.25,W	-	244.0
		6	0.25,SF	1/ 32	
NEREIS LIMNICOLA	19	1	0.25,W	-	1.0
CYCLOPOIDA SP. 1	6531	11	0.25,SF	1/ 32	352.0
HARPACTICOIDA 2	33247	56	0.25,SF	1/ 32	1792.0
HARPACTICOIDA 3	12468	21	0.25,SF	1/ 32	672.0

STATION: 5C2- 4D1

DATE: 19 MARCH 1979

TIME (PST) 12:05

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 2.3 LITERS

DEPTH BELOW CHART DATUM: 4.8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	572319	241	0.25,SF	1/128	30848.0
PARANAIS FRICI	2375	1	0.25,SF	1/128	128.0
PARANAIS LITORALIS	14249	6	0.25,SF	1/128	768.0
CAPITELLA CAPITATA	649	35	0.25,W	-	35.0
MACOMA BALTHICA	93	5	0.25,W	-	5.0
MACOMA JUV.	56	3	0.25,W	-	3.0
HARPACTICOIDA 3	2375	1	0.25,SF	1/128	128.0

STATION: 5C2- 4D2

DATE: 19 MARCH 1979

TIME (PST) 12:10

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 2.6 LITERS

DEPTH BELOW CHART DATUM: 4.8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	1790575	377	0.25,SF	1/256	96512.0
PARANAIS LITORALIS	57050	3	0.25,W	-	3075.0
		12	0.25,SF	1/256	
ETEONE LONGA	19	1	0.25,W	-	1.0
NEREIS LIMNICOLA	19	1	0.25,W	-	1.0
CAPITELLA CAPITATA	2134	115	0.25,W	-	115.0
MACOMA BALTHICA	148	8	0.25,W	-	8.0
MACOMA JUV.	204	11	0.25,W	-	11.0

STATION: 5C2- 4S1

DATE: 19 MARCH 1979

TIME (PST) 12:45

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 2.0 LITERS

DEPTH BELOW CHART DATUM: 5.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	12470	188	0.25,SS	-	672.1
HARPACTICOIDA 2	133	2	0.25,SS	-	7.2
HARPACTICOIDA 4	66	1	0.25,SS	-	3.6

STATION: 5C2- 452
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.9 LITERS

DATE: 19 MARCH 1979 TIME (PST) 12:53
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 5.6 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	36311	114	0.25,SS	1/ 2	1957.2
ENCHYTRAEIDAE DAM. AND JUV.	319	1	0.25,SS	1/ 2	17.2
CAPITELLA CAPITATA	19	1	0.50,W	-	1.0
MACOMA JUV.	19	1	0.50,W	-	1.0
EOGAMMARUS CONFERVICOLUS	148	8	0.50,W	-	8.0
EOGAMMARUS JUV.	93	5	0.50,W	-	5.0
GAMMARID JUV.	956	3	0.25,SS	1/ 2	51.5
HARPACTICOIDA 2	319	1	0.25,SS	1/ 2	17.2
HARPACTICOIDA 3	4141	13	0.25,SS	1/ 2	223.2
HARPACTICOIDA 4	956	3	0.25,SS	1/ 2	51.5
HARPACTICOIDA 6	637	2	0.25,SS	1/ 2	34.3
HARPACTICOIDA 13	637	2	0.25,SS	1/ 2	34.3

STATION: 5C2- 5D1

DATE: 19 MARCH 1979

TIME (PST) 16:37

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 3.0 LITERS

DEPTH BELOW CHART DATUM: 5.3 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	2450761	258	0.25,SF	1/512	132096.0
PARANAIS LITORALIS	9499	1	0.25,SF	1/512	512.0
TUBIFICIDAE DAM. AND JUV.	19	1	0.25,W	-	1.0
ETEONE LONGA	37	2	0.25,W	-	2.0
CAPITELLA CAPITATA	853	46	0.25,W	-	46.0
MACOMA BALTHICA	204	11	0.25,W	-	11.0
MACOMA JUV.	278	15	0.25,W	-	15.0

STATION: 5C2- 5D2

DATE: 19 MARCH 1979

TIME (PST) 16:44

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 3.3 LITERS

DEPTH BELOW CHART DATUM: 5.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	2313024	487	0.25,SF	1/256	124672.0
PARANAIS LITORALIS	14249	3	0.25,SF	1/256	768.0
ETEONE LONGA	56	3	0.25,W	-	3.0
CAPITELLA CAPITATA	10371	47	0.25,W	-	559.0
		2	0.25,SF	1/256	
MACOMA BALTHICA	241	13	0.25,W	-	13.0
MACOMA JUV.	482	26	0.25,W	-	26.0

STATION: 5C2- 5S1 DATE: 19 MARCH 1979 TIME (PST) 17:35
 LOCATION: STEVESTON HARBOUR GRAB: .054 METRES **2 PONAR GRAB
 VOLUME OF SAMPLE: 4.6 LITERS DEPTH BELOW CHART DATUM: 1.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	457	3	0.25,SS	-	24.6
HARPACTICOIDA 3	152	1	0.25,SS	-	8.2

STATION: 5C2- 5S2
LOCATION: STEVESTON HARBOUR
VOLUME OF SAMPLE: 5.0 LITERS

DATE: 19 MARCH 1979 TIME (PST) 17:39
GRAB: .054 METRES **2 PONAR GRAB
DEPTH BELOW CHART DATUM: .8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	659	4	0.25,SS	-	35.5
MARIONINA SPP.	330	2	0.25,SS	-	17.8
ENCHYTRAEIDAE DAM. AND JUV.	165	1	0.25,SS	-	8.9

STATION: 5C2- 6D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.1 LITERS

DATE: 20 MARCH 1979 TIME (PST) 17:14
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 5.2 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	271	1	0.25,SS	1/ 4	14.6
NEMATODA	24622	91	0.25,SS	1/ 4	1327.2
ETEONE LONGA	19	1	0.50,W	-	1.0
LAMPROPS FASICATA	19	1	0.50,W	-	1.0
EOGAMMARUS JUV.	19	1	0.50,W	-	1.0
PARAPHOXUS MILLERI	37	2	0.50,W	-	2.0
GAMMARID JUV.	271	1	0.25,SS	1/ 4	14.6
HARPACTICOIDA 3	271	1	0.25,SS	1/ 4	14.6
HARPACTICOIDA 4	1082	4	0.25,SS	1/ 4	58.3
HARPACTICOIDA 6	271	1	0.25,SS	1/ 4	14.6

STATION: 5C2- 602 DATE: 20 MARCH 1979 TIME (PST) 17:18
 LOCATION: STEVESTON HARBOUR GRAB: .054 METRES **2 PONAR GRAB
 VOLUME OF SAMPLE: 3.3 LITERS DEPTH BELOW CHART DATUM: 5.2 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	20995	96	0.25,SS	1/ 2	1131.6
ETEONE LONGA	19	1	0.50,W	-	1.0
MACOMA BALTHICA	74	4	0.50,W	-	4.0
MACOMA JUV.	656	3	0.25,SS	1/ 2	35.4
PARAPHOXUS MILLERI	56	3	0.50,W	-	3.0
HALACARIDAE	219	1	0.25,SS	1/ 2	11.8
HARPACTICOIDA 2	219	1	0.25,SS	1/ 2	11.8
HARPACTICOIDA 4	437	2	0.25,SS	1/ 2	23.6
HARPACTICOIDA 12	219	1	0.25,SS	1/ 2	11.8
HARPACTICOIDA 13	219	1	0.25,SS	1/ 2	11.8

STATION: 5C2- 6S1

DATE: 20 MARCH 1979

TIME (PST) 17:42

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 2.2 LITERS

DEPTH BELOW CHART DATUM: 1.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	37292	507	0.25,SS	-	2010.1
LIMNODRILOIDES DAM. AND JUV.	221	3	0.25,SS	-	11.9
MARIONINA SUBTERRANEA	74	1	0.25,SS	-	4.0
PARAPHOXUS MILLERI	185	6	0.50,W	-	10.0
		1	0.25,SS	-	
HARPACTICOIDA 6	441	6	0.25,SS	-	23.8

STATION: 5C2- 6S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.4 LITERS

DATE: 20 MARCH 1979 TIME (PST) 17:46
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: .9 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	32530	203	0.25,SS	1/ 2	1753.3
LIMNODRILOIDES DAM. AND JUV.	641	4	0.25,SS	1/ 2	34.5
TUBIFICIDAE DAM. AND JUV.	37	2	0.50,W	-	2.0
NEREIS LIMNICOLA	240	3	0.25,SS	-	13.0
AMPHICTEIS SPP.	19	1	0.50,W	-	1.0
HARPACTICOIDA 6	481	3	0.25,SS	1/ 2	25.9

Benthos

Trip 8C3: 2 - 4 May 1979

STATION: 8C3- 1D1 DATE: 2 MAY 1979 TIME (PST) 09:40
 LOCATION: STEVESTON HARBOUR GRAB: .054 METRES **2 PONAR GRAB
 VOLUME OF SAMPLE: 4.6 LITERS DEPTH BELOW CHART DATUM: 4.8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	3562	6	0.25,SF	1/ 32	192.0
NEMATODA	14249	24	0.25,SF	1/ 32	768.0
PARANAIS FRICI	45714	77	0.25,SF	1/ 32	2464.0
PARANAIS LITORALIS	5343	9	0.25,SF	1/ 32	288.0
AMPHICHAETA SANNIO	4156	7	0.25,SF	1/ 32	224.0
ETEONE LONGA	19	1	0.25,W	-	1.0
NEREIS LIMNICOLA	130	7	0.25,W	-	7.0
SPIONIDAE DAM. AND JUV.	594	1	0.25,SF	1/ 32	32.0
MACOMA BALTHICA	223	12	0.25,W	-	12.0
MACOMA JUV.	519	28	0.25,W	-	28.0
OSTRACODA	1187	2	0.25,SF	1/ 32	64.0
EOGAMMARUS JUV.	204	11	0.25,W	-	11.0
GAMMARID JUV.	2375	4	0.25,SF	1/ 32	128.0
HARPACTICOIDA 2	28497	48	0.25,SF	1/ 32	1536.0
HARPACTICOIDA 3	2968	5	0.25,SF	1/ 32	160.0
HARPACTICOIDA 4	4750	8	0.25,SF	1/ 32	256.0
HARPACTICOIDA 9	4156	7	0.25,SF	1/ 32	224.0

STATION: 8C3- 1D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 6.2 LITERS

DATE: 2 MAY 1979 TIME (PST) 09:46
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 5.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	7718	13	0.25,SF	1/ 32	416.0
PARANAIS FRICI	42839	5	0.25,W	-	2309.0
		72	0.25,SF	1/ 32	
PARANAIS LITORALIS	4174	1	0.25,W	-	225.0
		7	0.25,SF	1/ 32	
AMPHICHAETA SANNIO	4156	7	0.25,SF	1/ 32	224.0
NEREIS LIMNICOLA	37	2	0.25,W	-	2.0
MACOMA BALTHICA	204	11	0.25,W	-	11.0
MACOMA JUV.	260	14	0.25,W	-	14.0
BIVALVIA DAM. AND JUV.	594	1	0.25,SF	1/ 32	32.0
OSTRACODA	1187	2	0.25,SF	1/ 32	64.0
EOGAMMARUS CONFERVICOLUS	74	4	0.25,W	-	4.0
EOGAMMARUS JUV.	241	13	0.25,W	-	13.0
GAMMARID JUV.	1187	2	0.25,SF	1/ 32	64.0
CHIRONOMIDAE LARVAE	594	1	0.25,SF	1/ 32	32.0
HARPACTICOIDA 2	20186	34	0.25,SF	1/ 32	1088.0
HARPACTICOIDA 3	4156	7	0.25,SF	1/ 32	224.0
HARPACTICOIDA 4	5343	9	0.25,SF	1/ 32	288.0
HARPACTICOIDA 9	1781	3	0.25,SF	1/ 32	96.0

STATION: 8C3- 151 DATE: 2 MAY 1979 TIME (PST) 09:09
 LOCATION: STEVESTON HARBOUR GRAB: .054 METRES **2 PONAR GRAB
 VOLUME OF SAMPLE: 2.1 LITERS DEPTH BELOW CHART DATUM: 1.3 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	4898	33	0.25,SF	1/ 8	264.0
PARANAIS FRICI	1262	4	0.25,W	-	68.0
		8	0.25,SF	1/ 8	
PARANAIS LITORALIS	2078	16	0.25,W	-	112.0
		12	0.25,SF	1/ 8	
AMPHICHAETA SANNIO	445	3	0.25,SF	1/ 8	24.0
TUBIFICIDAE DAM. AND JUV.	56	3	0.25,W	-	3.0
OSTRACODA	56	3	0.25,W	-	3.0
COROPHIUM SPINICORNE	19	1	0.25,W	-	1.0
COROPHIUM SALMONIS	37	2	0.25,W	-	2.0
EOGAMMARUS CONFERVICOLUS	37	2	0.25,W	-	2.0
EOGAMMARUS JUV.	111	6	0.25,W	-	6.0
GAMMARID JUV.	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 2	1929	13	0.25,SF	1/ 8	104.0
HARPACTICOIDA 3	445	3	0.25,SF	1/ 8	24.0
HARPACTICOIDA 4	297	2	0.25,SF	1/ 8	16.0

STATION: 8C3- 1S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.5 LITERS

DATE: 2 MAY 1979 TIME (PST) 09:16
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.3 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	148	1	0.25,SF	1/ 8	8.0
NEMATODA	14249	96	0.25,SF	1/ 8	768.0
PARANAIS FRICI	742	5	0.25,SF	1/ 8	40.0
PARANAIS LITORALIS	2096	1	0.25,W	-	113.0
		14	0.25,SF	1/ 8	
LIMNODRILUS HOFFMEISTERI	186	2	0.25,W	-	10.0
		1	0.25,SF	1/ 8	
NEREIS LIMNICOLA	74	4	0.25,W	-	4.0
BIVALVIA DAM. AND JUV.	19	1	0.25,W	-	1.0
CLADOCERA	445	3	0.25,SF	1/ 8	24.0
COROPHIUM SALMONIS	37	2	0.25,W	-	2.0
EOGAMMARUS CONFERVICOLUS	37	2	0.25,W	-	2.0
CHIRONOMIDAE LARVAE	148	1	0.25,SF	1/ 8	8.0
CALANOIDA (PELAGIC)	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 3	297	2	0.25,SF	1/ 8	16.0
HARPACTICOIDA 6	742	5	0.25,SF	1/ 8	40.0

STATION: 8C3- 2D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.4 LITERS

DATE: 2 MAY 1979 TIME (PST) 10:36
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	1187	2	0.25,SF	1/ 32	64.0
NEMATODA	21967	37	0.25,SF	1/ 32	1184.0
PARANAIS FRICI	1187	2	0.25,SF	1/ 32	64.0
PARANAIS LITORALIS	55343	71	0.25,W	-	2983.0
		91	0.25,SF	1/ 32	
AMPHICHAETA SANNIO	1187	2	0.25,SF	1/ 32	64.0
CAPITELLA CAPITATA	3024	35	0.25,W	-	163.0
		4	0.25,SF	1/ 32	
MACOMA JUV.	19	1	0.25,W	-	1.0
OSTRACODA	594	1	0.25,SF	1/ 32	32.0
EOGAMMARUS JUV.	19	1	0.25,W	-	1.0
CHIRONOMIDAE LARVAE	594	1	0.25,SF	1/ 32	32.0
HARPACTICOIDA 2	5937	10	0.25,SF	1/ 32	320.0
HARPACTICOIDA 3	2968	5	0.25,SF	1/ 32	160.0
HARPACTICOIDA 8	594	1	0.25,SF	1/ 32	32.0

STATION: 8C3- 2D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.5 LITERS

DATE: 2 MAY 1979 TIME (PST) 10:40
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	20186	34	0.25,SF	1/ 32	1088.0
PARANAIS LITORALIS	1892	6	0.25,W	-	102.0
		3	0.25,SF	1/ 32	
CAPITELLA CAPITATA	3247	47	0.25,W	-	175.0
		4	0.25,SF	1/ 32	
NEOMYSIS AWATSCHENSIS	19	1	0.25,W	-	1.0
EOGAMMARUS CONFERVICOLUS	19	1	0.25,W	-	1.0
HARPACTICOIDA 2	4156	7	0.25,SF	1/ 32	224.0
HARPACTICOIDA 3	2375	4	0.25,SF	1/ 32	128.0

STATION: 8C3- 2S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.2 LITERS

DATE: 2 MAY 1979 TIME (PST) 11:15
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	594	2	0.25,SF	1/ 16	32.0
NEMATODA	19889	67	0.25,SF	1/ 16	1072.0
PARANAIS FRICI	40167	5	0.25,W	-	2165.0
		135	0.25,SF	1/ 16	
PARANAIS LITORALIS	62022	15	0.25,W	-	3343.0
		208	0.25,SF	1/ 16	
AMPHICHAETA SANNIO	2078	7	0.25,SF	1/ 16	112.0
SPECARIA FRASERI	1503	1	0.25,W	-	81.0
		5	0.25,SF	1/ 16	
SPECARIA JOSINAE	297	1	0.25,SF	1/ 16	16.0
TUBIFICIDAE DAM. AND JUV.	445	8	0.25,W	-	24.0
		1	0.25,SF	1/ 16	
NEREIS LIMNICOLA	37	2	0.25,W	-	2.0
AMPHICTEIS SPP.	37	2	0.25,W	-	2.0
COROPHIUM SALMONIS	56	3	0.25,W	-	3.0
EOGAMMARUS CONFERVICOLUS	19	1	0.25,W	-	1.0
GAMMARID JUV.	1558	36	0.25,W	-	84.0
		3	0.25,SF	1/ 16	
CYCLOPOIDA SP. 1	1187	4	0.25,SF	1/ 16	64.0
HARPACTICOIDA 2	78071	263	0.25,SF	1/ 16	4208.0
HARPACTICOIDA 3	9239	2	0.25,W	-	498.0
		31	0.25,SF	1/ 16	
HARPACTICOIDA 4	594	2	0.25,SF	1/ 16	32.0
HARPACTICOIDA 13	594	2	0.25,SF	1/ 16	32.0

STATION: 8C3- 2S2

DATE: 2 MAY 1979

TIME (PST) 11:21

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: .5 LITERS

DEPTH BELOW CHART DATUM: 1.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	1039	7	0.25,SF	1/ 8	56.0
PARANAIS FRICI	4842	5	0.25,W	-	261.0
		32	0.25,SF	1/ 8	
PARANAIS LITORALIS	1948	1	0.25,W	-	105.0
		13	0.25,SF	1/ 8	
AMPHICHAETA SANNIO	594	4	0.25,SF	1/ 8	32.0
SPECARIA FRASERI	297	2	0.25,SF	1/ 8	16.0
TUBIFICIDAE DAM. AND JUV.	186	2	0.25,W	-	10.0
		1	0.25,SF	1/ 8	
NEREIS LIMNICOLA	19	1	0.25,W	-	1.0
MACOMA JUV.	19	1	0.25,W	-	1.0
COROPHIUM SALMONIS	148	1	0.25,SF	1/ 8	8.0
CYCLOPOIDA SP. 1	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 2	4750	32	0.25,SF	1/ 8	256.0
HARPACTICOIDA 3	1336	9	0.25,SF	1/ 8	72.0
HARPACTICOIDA 11	297	2	0.25,SF	1/ 8	16.0

STATION: 8C3- 3D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 5.6 LITERS

DATE: 2 MAY 1979 TIME (PST) 13:25
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	51800	349	0.25,SF	1/ 8	2792.0
PARANAIS LITORALIS	8701	5	0.25,W	-	469.0
		58	0.25,SF	1/ 8	
TUBIFICIDAE DAM. AND JUV.	19	1	0.25,W	-	1.0
ETEONE LONGA	148	1	0.25,SF	1/ 8	8.0
CAPITELLA CAPITATA	3562	72	0.25,W	-	192.0
		15	0.25,SF	1/ 8	
POLYDORA LIGNI	19	1	0.25,W	-	1.0
PSEUDOPOLYDORA SP.A DAM.	19	1	0.25,W	-	1.0
MACOMA JUV.	74	4	0.25,W	-	4.0
GAMMARID JUV.	297	2	0.25,SF	1/ 8	16.0
HARPACTICOIDA 2	3265	22	0.25,SF	1/ 8	176.0

STATION: 8C3- 3D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.8 LITERS

DATE: 2 MAY 1979 TIME (PST) 13:30
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.2 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	159109	536	0.25,SF	1/ 16	8576.0
PARANAIS LITORALIS	23952	11	0.25,W	-	1291.0
		80	0.25,SF	1/ 16	
ETEONE LONGA	19	1	0.25,W	-	1.0
CAPITELLA CAPITATA	7161	82	0.25,W	-	386.0
		19	0.25,SF	1/ 16	
MACOMA JUV.	37	2	0.25,W	-	2.0
CUMELLA VULGARIS	297	1	0.25,SF	1/ 16	16.0
EOGAMMARUS CONFERVICOLUS	19	1	0.25,W	-	1.0
GAMMARID JUV.	594	2	0.25,SF	1/ 16	32.0
HARPACTICOIDA 2	3265	11	0.25,SF	1/ 16	176.0

STATION: 8C3- 351
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 3.2 LITERS

DATE: 2 MAY 1979 TIME (PST) 13:50
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: .9 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	13655	23	0.25,SF	1/ 32	736.0
PARANAIS FRICI	49536	14	0.25,W	-	2670.0
		83	0.25,SF	1/ 32	
PARANAIS LITORALIS	13729	4	0.25,W	-	740.0
		23	0.25,SF	1/ 32	
TUBIFICIDAE DAM. AND JUV.	5900	62	0.25,W	-	318.0
		8	0.25,SF	1/ 32	
NEREIS LIMNICOLA	19	1	0.25,W	-	1.0
PSEUDOPOLYDORA SP.A DAM.	19	1	0.25,W	-	1.0
AMPHICTEIS SPP.	631	2	0.25,W	-	34.0
		1	0.25,SF	1/ 32	
COROPHIUM SALMONIS	37	2	0.25,W	-	2.0
HARPACTICOIDA 2	34434	58	0.25,SF	1/ 32	1856.0
HARPACTICOIDA 3	2968	5	0.25,SF	1/ 32	160.0
HARPACTICOIDA 11	1781	3	0.25,SF	1/ 32	96.0
HARPACTICOIDA 13	1187	2	0.25,SF	1/ 32	64.0

STATION: 8C3- 3S2

DATE: 2 MAY 1979

TIME (PST) 13:55

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 3.8 LITERS

DEPTH BELOW CHART DATUM: 1.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	594	1	0.25,SF	1/ 32	32.0
NEMATODA	11280	19	0.25,SF	1/ 32	608.0
PARANAIS FRICI	43878	29	0.25,W	-	2365.0
		73	0.25,SF	1/ 32	
PARANAIS LITORALIS	11985	6	0.25,W	-	646.0
		20	0.25,SF	1/ 32	
LIMNODRILUS HOFFMEISTERI	9054	136	0.25,W	-	488.0
		11	0.25,SF	1/ 32	
NEREIS LIMNICOLA	93	5	0.25,W	-	5.0
MYSIDACEA DAM. AND JUV.	594	1	0.25,SF	1/ 32	32.0
EOGAMMARUS JUV.	19	1	0.25,W	-	1.0
HARPACTICOIDA 2	48683	82	0.25,SF	1/ 32	2624.0
HARPACTICOIDA 3	4156	7	0.25,SF	1/ 32	224.0
HARPACTICOIDA 11	2375	4	0.25,SF	1/ 32	128.0
HARPACTICOIDA 13	594	1	0.25,SF	1/ 32	32.0

STATION: 8C3- 4D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.4 LITERS

DATE: 2 MAY 1979 TIME (PST) 14:20
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.4 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	435770	367	0.25,SF	1/ 64	23488.0
PARANAIS LITORALIS	11911	2	0.25,W	-	642.0
		10	0.25,SF	1/ 64	
TUBIFICIDAE DAM. AND JUV.	19	1	0.25,W	-	1.0
ETEONE LONGA	19	1	0.25,W	-	1.0
CAPITELLA CAPITATA	835	45	0.25,W	-	45.0
MACOMA BALTHICA	19	1	0.25,W	-	1.0
MACOMA JUV.	167	9	0.25,W	-	9.0
BIVALVIA DAM. AND JUV.	1187	1	0.25,SF	1/ 64	64.0
HARPACTICOIDA 3	3562	3	0.25,SF	1/ 64	192.0

STATION: 8C3- 4D2

DATE: 2 MAY 1979

TIME (PST) 14:25

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 4.6 LITERS

DEPTH BELOW CHART DATUM: 4.4 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	631688	532	0.25, SF	1/ 64	34048.0
PARANAIS LITORALIS	4879	7	0.25, W	-	263.0
		4	0.25, SF	1/ 64	
TUBIFICOIDES GABRIELLAE	19	1	0.25, W	-	1.0
TUBIFICOIDES PSEUDOGASTER	19	1	0.25, W	-	1.0
CAPITELLA CAPITATA	1039	56	0.25, W	-	56.0
MANAYUNKIA AESTUARINA	1187	1	0.25, SF	1/ 64	64.0
MACOMA BALTHICA	56	3	0.25, W	-	3.0
MACOMA JUV.	56	3	0.25, W	-	3.0
HARPACTICOIDA 2	4750	4	0.25, SF	1/ 64	256.0

STATION: 8C3- 4S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.9 LITERS

DATE: 2 MAY 1979 TIME (PST) 15:05
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.2 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	8281	52	0.25,SS	-	446.4
PARANAIS LITORALIS	159	1	0.25,SS	-	8.6
AMPHICHAETA SANNIO	159	1	0.25,SS	-	8.6
CLADOCERA	796	5	0.25,SS	-	42.9
EOGAMMARUS JUV.	19	1	0.50,W	-	1.0
GAMMARID JUV.	159	1	0.25,SS	-	8.6
ORABATEI SP. A	159	1	0.25,SS	-	8.6
ORABATEI SP. B	159	1	0.25,SS	-	8.6
HARPACTICOIDA 2	2230	14	0.25,SS	-	120.2
HARPACTICOIDA 4	159	1	0.25,SS	-	8.6
HARPACTICOIDA 8	159	1	0.25,SS	-	8.6

STATION: 8C3- 4S2 DATE: 2 MAY 1979 TIME (PST) 15:10
 LOCATION: STEVESTON HARBOUR GRAB: .054 METRES **2 PONAR GRAB
 VOLUME OF SAMPLE: 4.8 LITERS DEPTH BELOW CHART DATUM: 1.3 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	6476	41	0.25,SS	-	349.0
PARANAIS LITORALIS	74	4	0.50,W	-	4.0
OSTRACODA	37	2	0.50,W	-	2.0
APHIDAE	19	1	0.50,W	-	1.0
MALLOPHAGA	158	1	0.25,SS	-	8.5
HARPACTICOIDA 4	316	2	0.25,SS	-	17.0

STATION: 8C3- 5D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 3.7 LITERS

DATE: 3 MAY 1979 TIME (PST) 11:48
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 5.6 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	761707	1283	0.25,SF	1/ 32	41056.0
PARANAIS LITORALIS	80408	14	0.25,W	-	4334.0
		135	0.25,SF	1/ 32	
CAPITELLA CAPITATA	204	11	0.25,W	-	11.0
MANAYUNKIA AESTUARINA	594	1	0.25,SF	1/ 32	32.0
MACOMA BALTHICA	111	6	0.25,W	-	6.0
MACOMA JUV.	724	39	0.25,W	-	39.0
EOGAMMARUS CONFERVICOLUS	19	1	0.25,W	-	1.0
GAMMARID JUV.	1187	2	0.25,SF	1/ 32	64.0
HARPACTICOIDA 2	1187	2	0.25,SF	1/ 32	64.0
HARPACTICOIDA 13	594	1	0.25,SF	1/ 32	32.0

STATION: 8C3- 5D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.2 LITERS

DATE: 3 MAY 1979 TIME (PST) 11:54
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 5.7 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	965343	813	0.25,SF	1/ 64	52032.0
PARANAIS LITORALIS	51113	3	0.25,W	-	2755.0
		43	0.25,SF	1/ 64	
ETEONE LONGA	37	2	0.25,W	-	2.0
CAPITELLA CAPITATA	334	18	0.25,W	-	18.0
MACOMA BALTHICA	167	9	0.25,W	-	9.0
MACOMA JUV.	742	40	0.25,W	-	40.0
CALANOIDA (PELAGIC)	1187	1	0.25,SF	1/ 64	64.0
HARPACTICOIDA 3	1187	1	0.25,SF	1/ 64	64.0
HARPACTICOIDA 13	1187	1	0.25,SF	1/ 64	64.0

STATION: 8C3- 5S1 DATE: 3 MAY 1979 TIME (PST) 11:04
 LOCATION: STEVESTON HARBOUR GRAB: .054 METRES **2 PONAR GRAB
 VOLUME OF SAMPLE: 5.2 LITERS DEPTH BELOW CHART DATUM: 1.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	2748	16	0.25,SS	-	148.1
PARANAIS LITORALIS	172	1	0.25,SS	-	9.3
SPECARIA FRASERI	172	1	0.25,SS	-	9.3
CLADOCERA	172	1	0.25,SS	-	9.3
HARPACTICOIDA 2	687	4	0.25,SS	-	37.0
HARPACTICOIDA 8	343	2	0.25,SS	-	18.5

STATION: 8C3- 5S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 5.1 LITERS

DATE: 3 MAY 1979 TIME (PST) 11:12
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	2002	12	0.25,SS	-	107.9
PARANAIS LITORALIS	19	1	0.50,W	-	1.0
ENCHYTRAEIDAE DAM. AND JUV.	334	2	0.25,SS	-	18.0
CLADOCERA	167	1	0.25,SS	-	9.0
HARPACTICOIDA 2	167	1	0.25,SS	-	9.0
HARPACTICOIDA 4	500	3	0.25,SS	-	27.0

STATION: 8C3- 6D1

DATE: 3 MAY 1979

TIME (PST) 09:08

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 3.7 LITERS

DEPTH BELOW CHART DATUM: 4.8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	39317	321	0.25,SS	-	2119.2
MACOMA JUV.	37	2	0.50,W	-	2.0
CLADOCERA	367	3	0.25,SS	-	19.8
OSTRACODA	122	1	0.25,SS	-	6.6
EOGAMMARUS CONFERVICOLUS	56	3	0.50,W	-	3.0
EOGAMMARUS JUV.	479	6	0.50,W	-	25.8
		3	0.25,SS	-	
CHIRONOMIDAE LARVAE	122	1	0.25,SS	-	6.6
HARPACTICOIDA 2	122	1	0.25,SS	-	6.6
HARPACTICOIDA 4	245	2	0.25,SS	-	13.2
HARPACTICOIDA 11	1347	11	0.25,SS	-	72.6

STATION: 8C3- 6D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 3.2 LITERS

DATE: 3 MAY 1979 TIME (PST) 09:15
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.7 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	209	1	0.25,SS	1/ 2	11.3
NEMATODA	71842	344	0.25,SS	1/ 2	3872.3
NEREIS LIMNICOLA	19	1	0.50,W	-	1.0
MACOMA JUV.	19	1	0.50,W	-	1.0
CLADOCERA	418	2	0.25,SS	1/ 2	22.5
EOGAMMARUS CONFERVICOLUS	19	1	0.50,W	-	1.0
PARAPHOXUS MILLERI	265	3	0.50,W	-	14.3
		1	0.25,SS	1/ 2	
CYCLORRHAPHA	209	1	0.25,SS	1/ 2	11.3
HARPACTICOIDA 4	418	2	0.25,SS	1/ 2	22.5

STATION: 8C3- 6S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.8 LITERS

DATE: 3 MAY 1979 TIME (PST) 10:00
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	187	2	0.25,SS	-	10.1
NEMATODA	26485	284	0.25,SS	-	1427.5
PARANAIS LITORALIS	112	1	0.50,W	-	6.0
		1	0.25,SS	-	
AMPHICHAETA SANNIO	280	3	0.25,SS	-	15.1
OSTRACODA	466	5	0.25,SS	-	25.1
EOGAMMARUS JUV.	93	1	0.25,SS	-	5.0
GAMMARID JUV.	19	1	0.50,W	-	1.0
HARPACTICOIDA 2	7834	84	0.25,SS	-	422.2
HARPACTICOIDA 4	2145	23	0.25,SS	-	115.6
HARPACTICOIDA 8	746	8	0.25,SS	-	40.2
HARPACTICOIDA 11	653	7	0.25,SS	-	35.2
HARPACTICOIDA 14	93	1	0.25,SS	-	5.0

STATION: 8C3- 6S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 3.1 LITERS

DATE: 3 MAY 1979 TIME (PST) 10:04
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	22467	110	0.25,SS	1/ 2	1211.0
PARANAIS LITORALIS	204	1	0.25,SS	1/ 2	11.0
TUBIFICIDAE DAM. AND JUV.	1430	7	0.25,SS	1/ 2	77.1
NEREIS LIMNICOLA	19	1	0.50,W	-	1.0
CLADOCERA	204	1	0.25,SS	1/ 2	11.0
OSTRACODA	204	1	0.25,SS	1/ 2	11.0
PARAPHOXUS MILLERI	241	2	0.50,W	-	13.0
		1	0.25,SS	1/ 2	
CYCLOPOIDA (PELAGIC)	204	1	0.25,SS	1/ 2	11.0
HARPACTICOIDA 2	2859	14	0.25,SS	1/ 2	154.1
HARPACTICOIDA 3	204	1	0.25,SS	1/ 2	11.0
HARPACTICOIDA 4	817	4	0.25,SS	1/ 2	44.0
HARPACTICOIDA 6	204	1	0.25,SS	1/ 2	11.0

Benthos

Trip 11C4: 18 - 21 June 1979

STATION: 11C4- 1D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.0 LITERS

DATE: 20 JUNE 1979 TIME (PST) 19:24
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 5.3 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	196	3	0.25,SS	-	10.6
NEMATODA	3164	5	0.50,W	-	170.5
		47	0.25,SS	-	
PARANAIS LITORALIS	74	4	0.50,W	-	4.0
LIMNODRILUS HOFFMEISTERI	19	1	0.50,W	-	1.0
NEREIS LIMNICOLA	65	1	0.25,SS	-	3.5
MACOMA BALTHICA	270	4	0.50,W	-	14.6
		3	0.25,SS	-	
MACOMA JUV.	475	8	0.50,W	-	25.6
		5	0.25,SS	-	
COROPHIUM JUV.	37	2	0.25,W	-	2.0
ORABATEI SP. A	19	1	0.50,W	-	1.0
CHIRONOMIDAE LARVAE	74	4	0.50,W	-	4.0
CHIRONOMIDAE ADULT	19	1	0.50,W	-	1.0
NEMATOCERA LARVAE	65	1	0.25,SS	-	3.5
CALANOIDA (PELAGIC)	131	2	0.25,SS	-	7.0

STATION: 11C4- 1D2

DATE: 20 JUNE 1979

TIME (PST) 19:35

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 4.6 LITERS

DEPTH BELOW CHART DATUM: 5.3 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	4193	113	0.25,SF	1/ 2	226.0
PARANAIS LITORALIS	390	1	0.25,W	-	21.0
		10	0.25,SF	1/ 2	
LIMNODRILUS HOFFMEISTERI	93	3	0.25,W	-	5.0
		1	0.25,SF	1/ 2	
TUBIFICIDAE DAM. AND JUV.	93	1	0.25,W	-	5.0
		2	0.25,SF	1/ 2	
PHYLLODOCIDAE DAM. AND JUV.	37	1	0.25,SF	1/ 2	2.0
NEREIS LIMNICOLA	19	1	0.25,W	-	1.0
CAPITELLA CAPITATA	19	1	0.25,W	-	1.0
MACOMA BALTHICA	594	32	0.25,W	-	32.0
MACOMA JUV.	575	31	0.25,W	-	31.0
CHIRONOMIDAE LARVAE	37	1	0.25,SF	1/ 2	2.0
HARPACTICOIDA 2	37	1	0.25,SF	1/ 2	2.0
HARPACTICOIDA 6	37	1	0.25,SF	1/ 2	2.0

STATION: 11C4- 1S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.7 LITERS

DATE: 20 JUNE 1979 TIME (PST) 18:41
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	2181	5	0.50,W	-	117.6
LIMNODRILUS HOFFMEISTERI	2343	70	0.50,W	-	126.3
NEREIS LIMNICOLA	56	3	0.50,W	-	3.0
COROPHIUM SPINICORNE	37	2	0.50,W	-	2.0
CHIRONOMIDAE LARVAE	459	6	0.50,W	-	24.8
		4	0.25,SS	-	

STATION: 11C4- 1S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.2 LITERS

DATE: 20 JUNE 1979 TIME (PST) 18:46
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	7163	2	0.50,W	-	386.1
PARANAIS FRICI	71	100	0.25,SS	-	
LIMNODRILUS HOFFMEISTERI	2252	1	0.25,SS	-	3.8
		106	0.50,W	-	121.4
		4	0.25,SS	-	
NEREIS LIMNICOLA	127	3	0.50,W	-	6.8
		1	0.25,SS	-	
CHIRONOMIDAE LARVAE	164	5	0.50,W	-	8.8
		1	0.25,SS	-	
CHIRONOMIDAE ADULT	19	1	0.50,W	-	1.0
CECIDOMYIIDAE LARVAE	71	1	0.25,SS	-	3.8
HARPACTICOIDA 6	71	1	0.25,SS	-	3.8

STATION: 11C4- 2D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 6.1 LITERS

DATE: 20 JUNE 1979 TIME (PST) 09:48
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 3.6 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	16623	112	0.25,SF	1/ 8	896.0
PARANAIS FRICI	2115	2	0.25,W	-	114.0
		14	0.25,SF	1/ 8	
PARANAIS LITORALIS	8015	16	0.25,W	-	432.0
		52	0.25,SF	1/ 8	
SPECARIA FRASERI	167	1	0.25,W	-	9.0
		1	0.25,SF	1/ 8	
VEJDOVSKYELLA INTERMEDIA	3859	26	0.25,SF	1/ 8	208.0
LIMNODRILUS HOFFMEISTERI	19	1	0.25,W	-	1.0
OSTRACODA	297	2	0.25,SF	1/ 8	16.0
COROPHIUM SPINICORNE	19	1	0.25,W	-	1.0
ORABATEI SP. A	594	4	0.25,SF	1/ 8	32.0
CHIRONOMIDAE LARVAE	594	4	0.25,SF	1/ 8	32.0
HELEIDAE LARVAE	148	1	0.25,SF	1/ 8	8.0
CYCLOPOIDA (PELAGIC)	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 2	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 3	1187	8	0.25,SF	1/ 8	64.0
HARPACTICOIDA 4	297	2	0.25,SF	1/ 8	16.0
HARPACTICOIDA 8	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 11	148	1	0.25,SF	1/ 8	8.0

STATION: 11C4- 2D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 6.1 LITERS

DATE: 20 JUNE 1979 TIME (PST) 09:55
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 3.6 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	1608	1	0.25,SS	1/ 8	86.7
NEMATODA	10686	72	0.25,SF	1/ 8	576.0
PARANAIS FRICI	1039	7	0.25,SF	1/ 8	56.0
PARANAIS LITORALIS	4286	23	0.25,W	-	231.0
		26	0.25,SF	1/ 8	
NAIS PSEUDOBTUSA	1336	9	0.25,SF	1/ 8	72.0
CLADOCERA	297	2	0.25,SF	1/ 8	16.0
ORABATEI SP. A	594	4	0.25,SF	1/ 8	32.0
CHIRONOMIDAE LARVAE	909	1	0.25,W	-	49.0
		6	0.25,SF	1/ 8	
HARPACTICOIDA 2	1336	9	0.25,SF	1/ 8	72.0
HARPACTICOIDA 3	1484	10	0.25,SF	1/ 8	80.0
HARPACTICOIDA 4	1039	7	0.25,SF	1/ 8	56.0
HARPACTICOIDA 8	148	1	0.25,SF	1/ 8	8.0

STATION: 11C4- 2S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 6.2 LITERS

DATE: 20 JUNE 1979 TIME (PST) 10:19
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: .8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	12764	43	0.25,SF	1/ 16	688.0
PARANAIS FRICI	1837	3	0.25,W	-	99.0
		6	0.25,SF	1/ 16	
PARANAIS LITORALIS	7087	14	0.25,W	-	382.0
		23	0.25,SF	1/ 16	
SPECARIA FRASERI	594	2	0.25,SF	1/ 16	32.0
SPECARIA JOSINAE	909	1	0.25,W	-	49.0
		3	0.25,SF	1/ 16	
VEJDOVSKYELLA INTERMEDIA	1187	4	0.25,SF	1/ 16	64.0
TUBIFICOIDES NERTHOIDES	334	2	0.25,W	-	18.0
		1	0.25,SF	1/ 16	
LIMNODRILUS HOFFMEISTERI	297	1	0.25,SF	1/ 16	16.0
NEREIS LIMNICOLA	37	2	0.25,W	-	2.0
AMPHICTEIS SPP.	19	1	0.25,W	-	1.0
OSTRACODA	297	1	0.25,SF	1/ 16	16.0
ORABATEI SP. A	297	1	0.25,SF	1/ 16	16.0
CHIRONOMIDAE LARVAE	594	2	0.25,SF	1/ 16	32.0
CYCLOPOIDA SP. 1	297	1	0.25,SF	1/ 16	16.0
CYCLOPOIDA (PELAGIC)	297	1	0.25,SF	1/ 16	16.0
HARPACTICOIDA 3	10686	36	0.25,SF	1/ 16	576.0
HARPACTICOIDA 4	8312	28	0.25,SF	1/ 16	448.0
HARPACTICOIDA 8	2375	8	0.25,SF	1/ 16	128.0

STATION: 11C4- 2S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.2 LITERS

DATE: 20 JUNE 1979 TIME (PST) 10:24
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: .8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	594	2	0.25,SF	1/ 16	32.0
NEMATODA	3265	11	0.25,SF	1/ 16	176.0
PARANAIS FRICI	353	3	0.25,W	-	19.0
		1	0.25,SF	1/ 16	
PARANAIS LITORALIS	12226	3	0.25,W	-	659.0
		41	0.25,SF	1/ 16	
SPECARIA FRASERI	594	2	0.25,SF	1/ 16	32.0
SPECARIA JOSINAE	297	1	0.25,SF	1/ 16	16.0
VEJDOVSKYELLA INTERMEDIA	1187	4	0.25,SF	1/ 16	64.0
LIMNODRILUS HOFFMEISTERI	1892	102	0.25,W	-	102.0
NEREIS LIMNICOLA	37	2	0.25,W	-	2.0
AMPHICTEIS SPP.	19	1	0.25,W	-	1.0
CLADOCERA	297	1	0.25,SF	1/ 16	16.0
NEOMYSIS AWATSCHENSIS	19	1	0.25,W	-	1.0
HARPACTICOIDA 3	6827	23	0.25,SF	1/ 16	368.0
HARPACTICOIDA 4	3265	11	0.25,SF	1/ 16	176.0

STATION: 11C4- 3D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 6.2 LITERS

DATE: 20 JUNE 1979 TIME (PST) 08:47
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 3.6 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	124082	836	0.25,SF	1/ 8	6688.0
PARANAIS FRICI	278	7	0.25,W	-	15.0
		1	0.25,SF	1/ 8	
PARANAIS LITORALIS	1911	23	0.25,W	-	103.0
		10	0.25,SF	1/ 8	
AMPHICHAETA SANNIO	167	1	0.25,W	-	9.0
		1	0.25,SF	1/ 8	
SPECARIA JOSINAE	148	1	0.25,SF	1/ 8	8.0
MACOMA JUV.	56	3	0.25,W	-	3.0
CLADOCERA	148	1	0.25,SF	1/ 8	8.0
TROMBIDIFORMES SPP.	148	1	0.25,SF	1/ 8	8.0
CHIRONOMIDAE LARVAE	297	2	0.25,SF	1/ 8	16.0
TARDIGARDA	148	1	0.25,SF	1/ 8	8.0
CYCLOPOIDA SP. 1	297	2	0.25,SF	1/ 8	16.0
CALANOIDA (PELAGIC)	445	3	0.25,SF	1/ 8	24.0
HARPACTICOIDA 2	742	5	0.25,SF	1/ 8	40.0
HARPACTICOIDA 3	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 4	445	3	0.25,SF	1/ 8	24.0
HARPACTICOIDA 13	445	3	0.25,SF	1/ 8	24.0

STATION: 11C4- 3D2
 LOCATION: STEVESTON HARBOUR-
 VOLUME OF SAMPLE: 6.5 LITERS

DATE: 20 JUNE 1979 TIME (PST) 08:55
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 3.6 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	148	1	0.25,SF	1/ 8	8.0
NEMATODA	143228	965	0.25,SF	1/ 8	7720.0
PARANAIS FRICI	538	5	0.25,W	-	29.0
		3	0.25,SF	1/ 8	
PARANAIS LITORALIS	2245	1	0.25,W	-	121.0
		15	0.25,SF	1/ 8	
SPECARIA JOSINAE	297	2	0.25,SF	1/ 8	16.0
NAIS DAM. AND JUV.	148	1	0.25,SF	1/ 8	8.0
MARIONINA CHARLOTTENSIS	148	1	0.25,SF	1/ 8	8.0
ENCHYTRAEIDAE DAM. AND JUV.	167	1	0.25,W	-	9.0
		1	0.25,SF	1/ 8	
MACOMA JUV.	37	2	0.25,W	-	2.0
CLADOCERA	297	2	0.25,SF	1/ 8	16.0
OSTRACODA	148	1	0.25,SF	1/ 8	8.0
ORABATEI SP. A	148	1	0.25,SF	1/ 8	8.0
TARDIGARDA	148	1	0.25,SF	1/ 8	8.0
CYCLOPOIDA SP. 1	148	1	0.25,SF	1/ 8	8.0
CYCLOPOIDA (PELAGIC)	297	2	0.25,SF	1/ 8	16.0
HARPACTICOIDA 2	445	3	0.25,SF	1/ 8	24.0
HARPACTICOIDA 3	891	6	0.25,SF	1/ 8	48.0
HARPACTICOIDA 4	742	5	0.25,SF	1/ 8	40.0
HARPACTICOIDA 8	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 10	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 14	148	1	0.25,SF	1/ 8	8.0

STATION: 11C4- 3S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 5.4 LITERS

DATE: 20 JUNE 1979 TIME (PST) 09:23
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.2 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	594	2	0.25,SF	1/ 16	32.0
NEMATODA	15139	51	0.25,SF	1/ 16	816.0
PARANAIS FRICI	1206	1	0.25,W	-	65.0
		4	0.25,SF	1/ 16	
PARANAIS LITORALIS	3711	8	0.25,W	-	200.0
		12	0.25,SF	1/ 16	
AMPHICHAETA SPP.	297	1	0.25,SF	1/ 16	16.0
SPECARIA JOSINAE	297	1	0.25,SF	1/ 16	16.0
LIMNODRILUS HOFFMEISTERI	1410	76	0.25,W	-	76.0
NEREIS LIMNICOLA	56	3	0.25,W	-	3.0
CLADOCERA	297	1	0.25,SF	1/ 16	16.0
ORABATEI SP. A	594	2	0.25,SF	1/ 16	32.0
CHIRONOMIDAE LARVAE	297	1	0.25,SF	1/ 16	16.0
TARDIGARDA	297	1	0.25,SF	1/ 16	16.0
CYCLOPOIDA SP. 1	1187	4	0.25,SF	1/ 16	64.0
CYCLOPOIDA (PELAGIC)	594	2	0.25,SF	1/ 16	32.0
HARPACTICOIDA 2	2672	9	0.25,SF	1/ 16	144.0
HARPACTICOIDA 3	3265	11	0.25,SF	1/ 16	176.0
HARPACTICOIDA 4	2078	7	0.25,SF	1/ 16	112.0
HARPACTICOIDA 8	594	2	0.25,SF	1/ 16	32.0

STATION: 11C4- 3S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 6.1 LITERS

DATE: 20 JUNE 1979 TIME (PST) 09:28
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.2 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	16327	55	0.25,SF	1/ 16	880.0
PARANAIS FRICI	2115	2	0.25,W	-	114.0
		7	0.25,SF	1/ 16	
PARANAIS LITORALIS	7273	8	0.25,W	-	392.0
		24	0.25,SF	1/ 16	
SPECARIA FRASERI	297	1	0.25,SF	1/ 16	16.0
SPECARIA JOSINAE	1224	2	0.25,W	-	66.0
		4	0.25,SF	1/ 16	
LIMNODRILUS HOFFMEISTERI	1558	68	0.25,W	-	84.0
		1	0.25,SF	1/ 16	
NEREIS LIMNICOLA	19	1	0.25,W	-	1.0
AMPHICTEIS SPP.	19	1	0.25,W	-	1.0
CLADOCERA	297	1	0.25,SF	1/ 16	16.0
COROPHIUM SPINICORNE	19	1	0.25,W	-	1.0
ORABATEI SP. A	2078	7	0.25,SF	1/ 16	112.0
HALACARIDAE	297	1	0.25,SF	1/ 16	16.0
CYCLOPÓIDA SP. 1	297	1	0.25,SF	1/ 16	16.0
HARPACTICOIDA 2	3265	11	0.25,SF	1/ 16	176.0
HARPACTICOIDA 3	3562	12	0.25,SF	1/ 16	192.0
HARPACTICOIDA 4	594	2	0.25,SF	1/ 16	32.0

STATION: 11C4- 4D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 6.1 LITERS

DATE: 18 JUNE 1979 TIME (PST) 09:02
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.4 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	612690	1032	0.25,SF	1/ 32	33024.0
PARANAIS FRICI	1187	2	0.25,SF	1/ 32	64.0
PARANAIS LITORALIS	4824	4	0.25,W	-	260.0
		8	0.25,SF	1/ 32	
SPECARIA FRASERI	612	1	0.25,W	-	33.0
		1	0.25,SF	1/ 32	
MACOMA BALTHICA	19	1	0.25,W	-	1.0
COROPHIUM SALMONIS	19	1	0.25,W	-	1.0
HARPACTICOIDA 2	5937	10	0.25,SF	1/ 32	320.0
HARPACTICOIDA 11	1187	2	0.25,SF	1/ 32	64.0

STATION: 11C4- 4D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 6.7 LITERS

DATE: 18 JUNE 1979 TIME (PST) 09:09
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.4 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	791391	1333	0.25,SF	1/ 32	42656.0
PARANAIS FRICI	37	2	0.25,W	-	2.0
PARANAIS LITORALIS	111	6	0.25,W	-	6.0
MACOMA JUV.	19	1	0.25,W	-	1.0
NEOMYSIS AWATSCHENSIS	19	1	0.25,W	-	1.0
ORABATEI SP. A	594	1	0.25,SF	1/ 32	32.0
TROMBIDIFORMES SPP.	594	1	0.25,SF	1/ 32	32.0
TARDIGARDA	594	1	0.25,SF	1/ 32	32.0
HARPACTICOIDA 2	12468	21	0.25,SF	1/ 32	672.0
HARPACTICOIDA 3	1187	2	0.25,SF	1/ 32	64.0
HARPACTICOIDA 4	1187	2	0.25,SF	1/ 32	64.0
HARPACTICOIDA 10	594	1	0.25,SF	1/ 32	32.0

STATION: 11C4- 4S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.5 LITERS

DATE: 18 JUNE 1979 TIME (PST) 09:20
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	6165	42	0.25,SS	-	332.3
PARANAIS FRICI	147	1	0.25,SS	-	7.9
PARANAIS LITORALIS	587	4	0.25,SS	-	31.6
SPECARIA FRASERI	294	2	0.25,SS	-	15.8
CLADOCERA	294	2	0.25,SS	-	15.8
NEOMYSIS AWATSCHENSIS	37	2	0.50,W	-	2.0
COROPHIUM SALMONIS	37	2	0.50,W	-	2.0
CYCLOPOIDA (PELAGIC)	147	1	0.25,SS	-	7.9
HARPACTICOIDA 2	147	1	0.25,SS	-	7.9
HARPACTICOIDA 11	147	1	0.25,SS	-	7.9

STATION: 11C4- 4S2

DATE: 18 JUNE 1979

TIME (PST) 09:25

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 4.4 LITERS

DEPTH BELOW CHART DATUM: .9 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	1539	13	0.50,W	-	82.9
		9	0.25,SS	-	
PARANAIS LITORALIS	307	1	0.50,W	-	16.5
		2	0.25,SS	-	
NEOMYSIS AWATSCHENSIS	19	1	0.50,W	-	1.0
TRICHOPTERA	144	1	0.25,SS	-	7.8
HARPACTICOIDA 6	144	1	0.25,SS	-	7.8

STATION: 11C4- 5D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.8 LITERS

DATE: 20 JUNE 1979 TIME (PST) 08:08
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 5.4 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	929128	1565	0.25,SF	1/ 32	50080.0
PARANAIS FRICI	1243	3	0.25,W	-	67.0
		2	0.25,SF	1/ 32	
PARANAIS LITORALIS	6327	53	0.25,W	-	341.0
		9	0.25,SF	1/ 32	
SPECARIA FRASERI	19	1	0.25,W	-	1.0
MANAYUNKIA AESTUARINA	19	1	0.25,W	-	1.0
MACOMA BALTHICA	111	6	0.25,W	-	6.0
MACOMA JUV.	204	11	0.25,W	-	11.0
COLLEMBOLA	594	1	0.25,SF	1/ 32	32.0
HARPACTICOIDA 2	5937	10	0.25,SF	1/ 32	320.0
HARPACTICOIDA 4	594	1	0.25,SF	1/ 32	32.0
HARPACTICOIDA 6	594	1	0.25,SF	1/ 32	32.0
HARPACTICOIDA 13	11280	19	0.25,SF	1/ 32	608.0

STATION: 11C4- 5D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 5.5 LITERS

DATE: 20 JUNE 1979 TIME (PST) 08:15
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 5.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	965937	1627	0.25,SF	1/ 32	52064.0
PARANAIS FRICI	1262	4	0.25,W	-	68.0
		2	0.25,SF	1/ 32	
PARANAIS LITORALIS	9239	50	0.25,W	-	498.0
		14	0.25,SF	1/ 32	
SPECARIA FRASERI	19	1	0.25,W	-	1.0
LIMNODRILUS HOFFMEISTERI	56	3	0.25,W	-	3.0
ENCHYTRAEIDAE DAM. AND JUV.	19	1	0.25,W	-	1.0
MACOMA BALTHICA	130	7	0.25,W	-	7.0
MACOMA JUV.	297	16	0.25,W	-	16.0
CLADOCERA	594	1	0.25,SF	1/ 32	32.0
HARPACTICOIDA 2	7124	12	0.25,SF	1/ 32	384.0
HARPACTICOIDA 3	2375	4	0.25,SF	1/ 32	128.0
HARPACTICOIDA 11	594	1	0.25,SF	1/ 32	32.0
HARPACTICOIDA 13	33247	56	0.25,SF	1/ 32	1792.0

STATION: 11C4- 5S1 DATE: 21 JUNE 1979 TIME (PST) 10:35
 LOCATION: STEVESTON HARBOUR GRAB: .054 METRES **2 PONAR GRAB
 VOLUME OF SAMPLE: 4.8 LITERS DEPTH BELOW CHART DATUM: 1.2 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	2197	14	0.25,SS	-	118.4
LIMNODRILUS HOFFMEISTERI	37	2	0.50,W	-	2.0
TUBIFICIDAE DAM. AND JUV.	157	1	0.25,SS	-	8.5
CLADOCERA	157	1	0.25,SS	-	8.5
COROPHIUM SPINICORNE	19	1	0.50,W	-	1.0

STATION: 1104- 5S2
LOCATION: STEVESTON HARBOUR
VOLUME OF SAMPLE: 5.0 LITERS

DATE: 21 JUNE 1979 TIME (PST) 10:42
GRAB: .054 METRES **2 PONAR GRAB
DEPTH BELOW CHART DATUM: .9 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	4173	49	0.50,W	-	224.9
		20	0.25,SS	-	
PARANAIS LITORALIS	163	1	0.25,SS	-	8.8
HARPACTICOIDA 2	326	2	0.25,SS	-	17.6
HARPACTICOIDA 4	163	1	0.25,SS	-	8.8

STATION: 11C4- 6D1

DATE: 19 JUNE 1979

TIME (PST) 09:20

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 4.1 LITERS

DEPTH BELOW CHART DATUM: 4.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	2144	16	0.25,SS	-	115.5
EOGAMMARUS JUV.	19	1	0.50,W	-	1.0
NEMATOCERA LARVAE	134	1	0.25,SS	-	7.2

STATION: 11C4- 6D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.1 LITERS

DATE: 19 JUNE 1979 TIME (PST) 09:57
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.4 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	69425	501	0.25,SS	1/ 2	3742.0
CLADOCERA	1801	13	0.25,SS	1/ 2	97.1
NEMATOCERA LARVAE	157	1	0.50,W	-	8.5
		1	0.25,SS	1/ 2	

STATION: 11C4- 6S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 3.1 LITERS

DATE: 20 JUNE 1979 TIME (PST) 17:50
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: .7 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	37	1	0.25,SF	1/ 2	2.0
NEMATODA	5640	152	0.25,SF	1/ 2	304.0
PARANAIS LITORALIS	594	16	0.25,SF	1/ 2	32.0
NAIS DAM. AND JUV.	37	1	0.25,SF	1/ 2	2.0
LIMNODRILUS HOFFMEISTERI	37	1	0.25,SF	1/ 2	2.0
NEREIS LIMNICOLA	37	1	0.25,SF	1/ 2	2.0
CLADOCERA	37	1	0.25,SF	1/ 2	2.0
COROPHIUM SALMONIS	37	1	0.25,SF	1/ 2	2.0
CHIRONOMIDAE LARVAE	779	21	0.25,SF	1/ 2	42.0
HELEIDAE LARVAE	37	1	0.25,SF	1/ 2	2.0
HARPACTICOIDA 15	37	1	0.25,SF	1/ 2	2.0

STATION: 11C4- 6S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 1.1 LITERS

DATE: 20 JUNE 1979 TIME (PST) 18:05
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: .9 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	7723	210	0.25,SS	-	416.3
MARIONINA SPP.	74	2	0.25,SS	-	4.0
MACOMA JUV.	19	1	0.50,W	-	1.0
CLADOCERA	772	21	0.25,SS	-	41.6
COROPHIUM SALMONIS	92	3	0.50,W	-	5.0
		1	0.25,SS	-	
BRYOBIA SP. A	74	2	0.25,SS	-	4.0
NEMATOCERA LARVAE	37	1	0.25,SS	-	2.0
HARPACTICOIDA 6	37	1	0.25,SS	-	2.0

Benthos

Trip 1405: 30 July - 1 August 1979

STATION: 14C5- 1D1

DATE: 30 JULY 1979

TIME (PST) 09:05

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 2.3 LITERS

DEPTH BELOW CHART DATUM: 5.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	36801	481	0.25,SS	-	1983.6
MACOMA BALTHICA	56	3	0.50,W	-	3.0
MACOMA JUV.	19	1	0.50,W	-	1.0
COCCOIDEA	77	1	0.25,SS	-	4.1
HARPACTICOIDA 3	77	1	0.25,SS	-	4.1

STATION: 14C5- 1D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.5 LITERS

DATE: 30 JULY 1979 TIME (PST) 09:14
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 5.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	38612	478	0.25,SS	-	2081.2
NEREIS LIMNICOLA	19	1	0.50,W	-	1.0
MACOMA BALTHICA	74	4	0.50,W	-	4.0
MACOMA JUV.	37	2	0.50,W	-	2.0
OSTRACODA	81	1	0.25,SS	-	4.4
COROPHIUM SALMONIS	19	1	0.50,W	-	1.0
ORABATEI SP. A	81	1	0.25,SS	-	4.4
CYCLOPOIDA (PELAGIC)	81	1	0.25,SS	-	4.4
CALANOIDA (PELAGIC)	242	3	0.25,SS	-	13.1
HARPACTICOIDA 15	81	1	0.25,SS	-	4.4

STATION: 14C5- 1S1

DATE: 30 JULY 1979

TIME (PST) 09:38

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 2.3 LITERS

DEPTH BELOW CHART DATUM: .8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	16839	222	0.25,SS	-	907.6
LIMNODRILUS HOFFMEISTERI	320	5	0.50,W	-	17.3
		3	0.25,SS	-	
GNORIMOSPHAEROMA JUV.	76	1	0.25,SS	-	4.1
HELEIDAE LARVAE	19	1	0.50,W	-	1.0
CALANOIDA (PELAGIC)	76	1	0.25,SS	-	4.1

STATION: 14C5- 1S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.3 LITERS

DATE: 30 JULY 1979 TIME (PST) 09:56
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: .5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	38408	502	0.25,SS	-	2070.2
LIMNODRILUS HOFFMEISTERI	56	3	0.50,W	-	3.0
TUBIFICIDAE DAM. AND JUV.	77	1	0.25,SS	-	4.1
NEREIS LIMNICOLA	19	1	0.50,W	-	1.0
MYSIDACEA DAM. AND JUV.	19	1	0.50,W	-	1.0
HELEIDAE LARVAE	114	2	0.50,W	-	6.1
		1	0.25,SS	-	

STATION: 14C5- 2D1

DATE: 30 JULY 1979

TIME (PST) 13:55

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 5.9 LITERS

DEPTH BELOW CHART DATUM: 4.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	16939	1	0.25,W	-	913.0
		114	0.25,SF	1/ 8	
PARANAIS FRICI	37	2	0.25,W	-	2.0
NEREIS LIMNICOLA	37	2	0.25,W	-	2.0
ORABATEI SP. A	297	2	0.25,SF	1/ 8	16.0
ORABATEI SP. B	148	1	0.25,SF	1/ 8	8.0
CALANOIDA (PELAGIC)	445	3	0.25,SF	1/ 8	24.0
HARPACTICOIDA 3	1336	9	0.25,SF	1/ 8	72.0
HARPACTICOIDA 4	891	6	0.25,SF	1/ 8	48.0
HARPACTICOIDA 13	891	6	0.25,SF	1/ 8	48.0

STATION: 14C5- 2D2

DATE: 30 JULY 1979

TIME (PST) 14:01

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 5.9 LITERS

DEPTH BELOW CHART DATUM: 4.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	17514	118	0.25,SF	1/ 8	944.0
NAIDIDAE DAM. AND JUV.	148	1	0.25,SF	1/ 8	8.0
NEREIS LIMNICOLA	74	4	0.25,W	-	4.0
ORABATEI SP. A	297	2	0.25,SF	1/ 8	16.0
CYCLOPOIDA (PELAGIC)	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 2	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 3	1633	11	0.25,SF	1/ 8	88.0
HARPACTICOIDA 4	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 13	594	4	0.25,SF	1/ 8	32.0

STATION: 14C5- 2S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.8 LITERS

DATE: 30 JULY 1979 TIME (PST) 14:23
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	2449	33	0.25,SF	1/ 4	132.0
PARANAIS FRICI	148	2	0.25,SF	1/ 4	8.0
LIMNODRILUS HOFFMEISTERI	6327	45	0.25,W	-	341.0
		74	0.25,SF	1/ 4	
NEREIS LIMNICOLA	445	6	0.25,SF	1/ 4	24.0
AMPHICTEIS SPP.	19	1	0.25,W	-	1.0
MACOMA JUV.	19	1	0.25,W	-	1.0
NEOMYSIS AWATSCHENSIS	74	4	0.25,W	-	4.0
ORABATEI SP. A	74	1	0.25,SF	1/ 4	4.0
CHIRONOMIDAE LARVAE	19	1	0.25,W	-	1.0
CYCLOPOIDA SP. 1	223	3	0.25,SF	1/ 4	12.0
HARPACTICOIDA 2	519	7	0.25,SF	1/ 4	28.0
HARPACTICOIDA 3	1410	19	0.25,SF	1/ 4	76.0
HARPACTICOIDA 4	1484	20	0.25,SF	1/ 4	80.0
HARPACTICOIDA 8	74	1	0.25,SF	1/ 4	4.0
HARPACTICOIDA 13	148	2	0.25,SF	1/ 4	8.0

STATION: 14C5- 252
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 5.9 LITERS

DATE: 30 JULY 1979 TIME (PST) 14:26
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.3 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	2375	16	0.25, SF	1/ 8	128.0
PARANAIS FRICI	519	4	0.25, W	-	28.0
		3	0.25, SF	1/ 8	
SPECARIA JOSINAE	19	1	0.25, W	-	1.0
LIMNODRILUS HOFFMEISTERI	12857	37	0.25, W	-	693.0
		82	0.25, SF	1/ 8	
NEREIS LIMNICOLA	37	2	0.25, W	-	2.0
AMPHARETIDAE DAM. AND JUV.	19	1	0.25, W	-	1.0
CLADOCERA	148	1	0.25, SF	1/ 8	8.0
OSTRACODA	148	1	0.25, SF	1/ 8	8.0
NEOMYSIS AWATSCHENSIS	74	4	0.25, W	-	4.0
ORABATEI SP. A	297	2	0.25, SF	1/ 8	16.0
ORABATEI SP. B	148	1	0.25, SF	1/ 8	8.0
CHIRONOMIDAE LARVAE	297	2	0.25, SF	1/ 8	16.0
HARPACTICOIDA 2	148	1	0.25, SF	1/ 8	8.0
HARPACTICOIDA 3	2672	18	0.25, SF	1/ 8	144.0
HARPACTICOIDA 4	5343	36	0.25, SF	1/ 8	288.0

STATION: 14C5- 3D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 6.2 LITERS

DATE: 30 JULY 1979 TIME (PST) 14:48
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 3.7 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	251132	846	0.25,SF	1/ 16	13536.0
PARANAIS FRICI	3933	20	0.25,W	-	212.0
		12	0.25,SF	1/ 16	
PARANAIS LITORALIS	19	1	0.25,W	-	1.0
LIMNODRILUS HOFFMEISTERI	649	3	0.25,W	-	35.0
		2	0.25,SF	1/ 16	
HARPACTICOIDA 3	594	2	0.25,SF	1/ 16	32.0
HARPACTICOIDA 6	297	1	0.25,SF	1/ 16	16.0
HARPACTICOIDA 13	297	1	0.25,SF	1/ 16	16.0
HARPACTICOIDA 16	297	1	0.25,SF	1/ 16	16.0

STATION: 14C5- 302
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 5.4 LITERS

DATE: 30 JULY 1979 TIME (PST) 14:58
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 3.7 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	186716	629	0.25,SF	1/ 16	10064.0
PARANAIS FRICI	10167	36	0.25,W	-	548.0
		32	0.25,SF	1/ 16	
ENCHYTRAEIDAE DAM. AND JUV.	19	1	0.25,W	-	1.0
HARPACTICOIDA 3	297	1	0.25,SF	1/ 16	16.0
HARPACTICOIDA 13	1187	4	0.25,SF	1/ 16	64.0

STATION: 14C5- 3S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.7 LITERS

DATE: 30 JULY 1979 TIME (PST) 15:20
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	4156	14	0.25,SF	1/ 16	224.0
LIMNODRILUS HOFFMEISTERI	36531	81	0.25,W	-	1969.0
		118	0.25,SF	1/ 16	
NEREIS LIMNICOLA	37	2	0.25,W	-	2.0
OSTRACODA	594	2	0.25,SF	1/ 16	32.0
ORABATEI SP. A	594	2	0.25,SF	1/ 16	32.0
CHIRONOMIDAE LARVAE	594	2	0.25,SF	1/ 16	32.0
CYCLOPOIDA SP. 1	891	3	0.25,SF	1/ 16	48.0
HARPACTICOIDA 2	5937	20	0.25,SF	1/ 16	320.0
HARPACTICOIDA 3	1781	6	0.25,SF	1/ 16	96.0

STATION: 14C5- 3S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.9 LITERS

DATE: 30 JULY 1979 TIME (PST) 15:25
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: .7 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	3265	11	0.25,SF	1/ 16	176.0
PARANAIS FRICI	19	1	0.25,W	-	1.0
LIMNODRILUS HOFFMEISTERI	25288	83	0.25,W	-	1363.0
		80	0.25,SF	1/ 16	
NEREIS LIMNICOLA	130	7	0.25,W	-	7.0
OSTRACODA	594	2	0.25,SF	1/ 16	32.0
ORABATEI SP. A	297	1	0.25,SF	1/ 16	16.0
CHIRONOMIDAE LARVAE	297	1	0.25,SF	1/ 16	16.0
CYCLOPOIDA SP. 1	297	1	0.25,SF	1/ 16	16.0
CYCLOPOIDA (PELAGIC)	297	1	0.25,SF	1/ 16	16.0
HARPACTICOIDA 2	14842	50	0.25,SF	1/ 16	800.0
HARPACTICOIDA 3	2968	10	0.25,SF	1/ 16	160.0
HARPACTICOIDA 4	4453	15	0.25,SF	1/ 16	240.0

STATION: 14C5- 4D1

DATE: 30 JULY 1979

TIME (PST) 10:48

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 6.1 LITERS

DEPTH BELOW CHART DATUM: 4.4 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	486827	3280	0.25,SF	1/ 8	26240.0
PARANAIS LITORALIS	148	1	0.25,SF	1/ 8	8.0
MACOMA BALTHICA	19	1	0.25,W	-	1.0
NEOMYSIS AWATSCHENSIS	93	5	0.25,W	-	5.0
ORABATEI SP. A	148	1	0.25,SF	1/ 8	8.0
CHIRONOMIDAE LARVAE	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 3	148	1	0.25,SF	1/ 8	8.0

STATION: 14C5- 4D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 6.4 LITERS

DATE: 30 JULY 1979 TIME (PST) 10:56
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	501076	6752	0.25,SF	1/ 4	27008.0
PARANAIS LITORALIS	74	1	0.25,SF	1/ 4	4.0
MACOMA BALTHICA	37	2	0.25,W	-	2.0
MYSIDACEA DAM. AND JUV.	186	10	0.25,W	-	10.0
ORABATEI SP. A	74	1	0.25,SF	1/ 4	4.0
CALANOIDA (PELAGIC)	223	3	0.25,SF	1/ 4	12.0
HARPACTICOIDA 13	148	2	0.25,SF	1/ 4	8.0

STATION: 14C5- 4S1

DATE: 31 JULY 1979

TIME (PST) 08:12

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 5.3 LITERS

DEPTH BELOW CHART DATUM: 1.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	6265	36	0.25,SS	-	337.7
MYSIDACEA DAM. AND JUV.	19	1	0.50,W	-	1.0
CHIRONOMIDAE LARVAE	148	2	0.25,SF	1/ 4	8.0
HELEIDAE LARVAE	74	1	0.25,SF	1/ 4	4.0
HARPACTICOIDA 3	348	2	0.25,SS	-	18.8

STATION: 14C5- 4S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 5.0 LITERS

DATE: 31 JULY 1979 TIME (PST) 08:16
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	3257	20	0.25,SS	-	175.6
NEOMYSIS AWATSCHENSIS	19	1	0.50,W	-	1.0
CHIRONOMIDAE LARVAE	19	1	0.50,W	-	1.0

STATION: 14C5- 5D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 5.1 LITERS

DATE: 30 JULY 1979 TIME (PST) 11:30
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 5.2 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	707681	1192	0.25,SF	1/ 32	38144.0
PARANAIS FRICI	14917	100	0.25,W	-	804.0
		22	0.25,SF	1/ 32	
PARANAIS LITORALIS	50167	624	0.25,W	-	2704.0
		65	0.25,SF	1/ 32	
NEREIS LIMNICOLA	19	1	0.25,W	-	1.0
MACOMA BALTHICA	93	5	0.25,W	-	5.0
MACOMA JUV.	74	4	0.25,W	-	4.0
CALANOIDA (PELAGIC)	1187	2	0.25,SF	1/ 32	64.0
HARPACTICOIDA 3	594	1	0.25,SF	1/ 32	32.0
HARPACTICOIDA 13	26716	45	0.25,SF	1/ 32	1440.0

STATION: 14C5- 5D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 5.6 LITERS

DATE: 30 JULY 1979 TIME (PST) 11:35
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 5.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	736178	1240	0.25,SF	1/ 32	39680.0
PARANAIS FRICI	74	4	0.25,W	-	4.0
PARANAIS LITORALIS	24007	78	0.25,W	-	1294.0
		38	0.25,SF	1/ 32	
TUBIFICIDAE DAM. AND JUV.	19	1	0.25,W	-	1.0
MACOMA BALTHICA	148	8	0.25,W	-	8.0
MACOMA JUV.	130	7	0.25,W	-	7.0
HARPACTICOIDA 13	26122	44	0.25,SF	1/ 32	1408.0

STATION: 14C5- 5S1
LOCATION: STEVESTON HARBOUR
VOLUME OF SAMPLE: 4.5 LITERS

DATE: 31 JULY 1979 TIME (PST) 15:25
GRAB: .054 METRES **2 PONAR GRAB
DEPTH BELOW CHART DATUM: 1.7 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	1336	9	0.25,SS	-	72.0
PARANAIS FRICI	1410	12	0.50,W	-	76.0
		8	0.25,SS	-	
COROPHIUM SALMONIS	167	1	0.50,W	-	9.0
		1	0.25,SS	-	
HARPACTICOIDA 3	1039	7	0.25,SS	-	56.0
HARPACTICOIDA 4	148	1	0.25,SS	-	8.0
HARPACTICOIDA 13	148	1	0.25,SS	-	8.0

STATION: 14C5- 5S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 3.0 LITERS

DATE: 31 JULY 1979 TIME (PST) 15:31
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.3 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	2438	25	0.25,SS	-	131.4
PARANAIS FRICI	19	1	0.25,SF	1/ 1	1.0
MARIONINA CHARLOTTENSIS	19	1	0.25,SF	1/ 1	1.0
ENCHYTRAEIDAE DAM. AND JUV.	19	1	0.50,W	-	1.0
NEOMYSIS AWATSCHENSIS	19	1	0.50,W	-	1.0
GNORIMOSPHAEROMA JUV.	19	1	0.50,W	-	1.0
COROPHIUM SPINICORNE	19	1	0.50,W	-	1.0
COROPHIUM SALMONIS	37	2	0.50,W	-	2.0
CECIDOMYIIDAE LARVAE	19	1	0.50,W	-	1.0
HARPACTICOIDA 3	780	8	0.25,SS	-	42.1
HARPACTICOIDA 13	98	1	0.25,SS	-	5.3

STATION: 14C5- 6D1
LOCATION: STEVESTON HARBOUR
VOLUME OF SAMPLE: 2.7 LITERS

DATE: 31 JULY 1979 TIME (PST) 14:52
GRAB: .054 METRES **2 PONAR GRAB
DEPTH BELOW CHART DATUM: 4.8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	74031	835	0.25,SS	-	3990.3
NEREIS LIMNICOLA	462	1	0.50,W	-	24.9
		5	0.25,SS	-	
MYSIDACEA DAM. AND JUV.	19	1	0.50,W	-	1.0
GAMMARID JUV.	89	1	0.25,SS	-	4.8
HELEIDAE LARVAE	19	1	0.50,W	-	1.0
CALANOIDA (PELAGIC)	126	2	0.50,W	-	6.8
		1	0.25,SS	-	

STATION: 14C5- 6D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 3.3 LITERS

DATE: 31 JULY 1979 TIME (PST) 14:58
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.6 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	112846	1032	0.25,SS	-	6082.4
NEREIS LIMNICOLA	37	2	0.50,W	-	2.0
GAMMARID JUV.	293	4	0.50,W	-	15.8
		2	0.25,SS	-	
CYCLOPOIDA (PELAGIC)	547	5	0.25,SS	-	29.5
CALANOIDA (PELAGIC)	328	3	0.25,SS	-	17.7

STATION: 14C5- 6S1 DATE: 31 JULY 1979 TIME (PST) 14:25
 LOCATION: STEVESTON HARBOUR GRAB: .054 METRES **2 PONAR GRAB
 VOLUME OF SAMPLE: 2.3 LITERS DEPTH BELOW CHART DATUM: .8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	16668	216	0.25,SS	-	898.4
LIMNODRILUS HOFFMEISTERI	1871	1	0.50,W	-	100.8
		24	0.25,SS	-	
GNORIMOSPHAEROMA JUV.	19	1	0.50,W	-	1.0
COROPHIUM SPINICORNE	154	2	0.25,SS	-	8.3
CRANGON FRANCISCORUM	19	1	0.50,W	-	1.0
ORABATEI SP. A	77	1	0.25,SS	-	4.2
CYCLOPOIDA (PELAGIC)	154	2	0.25,SS	-	8.3

STATION: 14C5- 6S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.4 LITERS

DATE: 31 JULY 1979 TIME (PST) 14:28
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: .5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	11191	142	0.25,SS	-	603.2
PARANAIS FRICI	37	2	0.25,SF	1/ 1	2.0
PARANAIS LITORALIS	37	1	0.50,W	-	2.0
		1	0.25,SF	1/ 1	
LIMNODRILUS HOFFMEISTERI	1942	7	0.50,W	-	104.7
		23	0.25,SS	-	
NEREIS LIMNICOLA	37	2	0.50,W	-	2.0
COROPHIUM SALMONIS	56	3	0.50,W	-	3.0

STATION: 14C5- 951
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 6.5 LITERS

DATE: 1 AUGUST 1979 TIME (PST) 08:40
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	61744	208	0.25,SF	1/ 16	3328.0
PARANAIS FRICI	8386	20	0.50,W	-	452.0
		27	0.25,SF	1/ 16	
PARANAIS LITORALIS	12096	140	0.50,W	-	652.0
		32	0.25,SF	1/ 16	
NEREIS LIMNICOLA	74	4	0.25,W	-	4.0
NEOMYSIS AWATSCHENSIS	19	1	0.25,W	-	1.0
EOGAMMARUS JUV.	56	3	0.25,W	-	3.0
HARPACTICOIDA 3	891	3	0.25,SF	1/ 16	48.0
HARPACTICOIDA 13	45714	154	0.25,SF	1/ 16	2464.0

STATION: 14C5- 9S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 6.4 LITERS

DATE: 1 AUGUST 1979 TIME (PST) 08:48
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
PARANAIS FRICI	7421	80	0.25,W	-	400.0
		10	0.25,SF	1/ 32	
PARANAIS LITORALIS	25083	552	0.25,W	-	1352.0
		25	0.25,SF	1/ 32	
NEREIS LIMNICOLA	37	2	0.25,W	-	2.0
HARPACTICOIDA 3	1187	2	0.25,SF	1/ 32	64.0
HARPACTICOIDA 13	33840	57	0.25,SF	1/ 32	1824.0

Benthos

Trip 17C6: 10 - 14 September 1979

STATION: 17C6- 1D1

DATE: 10 SEPT 1979

TIME (PST) 10:25

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 2.8 LITERS

DEPTH BELOW CHART DATUM: 8.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	6234	42	0.25,SF	1/ 8	336.0
PARANAIS FRICI	1929	13	0.25,SF	1/ 8	104.0
NEREIS LIMNICOLA	1744	46	0.25,W	-	94.0
		6	0.25,SF	1/ 8	
MACOMA JUV.	19	1	0.25,W	-	1.0
BIVALVIA DAM. AND JUV.	148	1	0.25,SF	1/ 8	8.0
NEOMYSIS AWATSCHENSIS	19	1	0.25,W	-	1.0
COROPHIUM SALMONIS	56	3	0.25,W	-	3.0
COROPHIUM JUV.	148	1	0.25,SF	1/ 8	8.0
ORABATEI SP. A	445	3	0.25,SF	1/ 8	24.0
ORABATEI SP. B	148	1	0.25,SF	1/ 8	8.0
CYCLOPOIDA (PELAGIC)	297	2	0.25,SF	1/ 8	16.0
CALANOIDA(PELAGIC)	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 3	20334	137	0.25,SF	1/ 8	1096.0
HARPACTICOIDA 4	297	2	0.25,SF	1/ 8	16.0
HARPACTICOIDA 6	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 13	297	2	0.25,SF	1/ 8	16.0

STATION: 17C6- 102
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 3.7 LITERS

DATE: 10 SEPT 1979 TIME (PST) 10:30
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 8.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	12022	81	0.25,SF	1/ 8	648.0
PARANAIS FRICI	1781	12	0.25,SF	1/ 8	96.0
LIMNODRILUS HOFFMEISTERI	19	1	0.25,W	-	1.0
NEREIS LIMNICOLA	2152	68	0.25,W	-	116.0
		6	0.25,SF	1/ 8	
MACOMA BALTHICA	56	3	0.25,W	-	3.0
BIVALVIA DAM. AND JUV.	148	1	0.25,SF	1/ 8	8.0
CLADOCERA	297	2	0.25,SF	1/ 8	16.0
COROPHIUM SALMONIS	408	14	0.25,W	-	22.0
		1	0.25,SF	1/ 8	
ORABATEI SP. A	594	4	0.25,SF	1/ 8	32.0
CHAOBORIDAE LARVAE	37	2	0.25,W	-	2.0
CYCLOPOIDA (PELAGIC)	148	1	0.25,SF	1/ 8	8.0
CALANOIDA (PELAGIC)	297	2	0.25,SF	1/ 8	16.0
HARPACTICOIDA 3	21521	145	0.25,SF	1/ 8	1160.0
HARPACTICOIDA 4	148	1	0.25,SF	1/ 8	8.0

STATION: 17C6- 1S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 3.4 LITERS

DATE: 10 SEPT 1979 TIME (PST) 11:00
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: .7 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	6531	88	0.25,SF	1/ 4	352.0
PARANAIS FRICI	148	2	0.25,SF	1/ 4	8.0
VEJDOVSKYELLA INTERMEDIA	74	1	0.25,SF	1/ 4	4.0
LIMNODRILUS HOFFMEISTERI	408	22	0.25,W	-	22.0
NEREIS LIMNICOLA	19	1	0.25,W	-	1.0
CLADOCERA	74	1	0.25,SF	1/ 4	4.0
COROPHIUM SALMONIS	74	4	0.25,W	-	4.0
ORABATEI SP. A	74	1	0.25,SF	1/ 4	4.0
CALANOIDA (PELAGIC)	74	1	0.25,SF	1/ 4	4.0
HARPACTICOIDA 2	74	1	0.25,SF	1/ 4	4.0
HARPACTICOIDA 3	148	2	0.25,SF	1/ 4	8.0
HARPACTICOIDA 4	74	1	0.25,SF	1/ 4	4.0
HARPACTICOIDA 9	74	1	0.25,SF	1/ 4	4.0
HARPACTICOIDA 13	148	2	0.25,SF	1/ 4	8.0

STATION: 17C6- 1S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 3.3 LITERS

DATE: 10 SEPT 1979 TIME (PST) 11:06
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: .9 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	6976	47	0.25, SF	1/ 8	376.0
PARANAIS LITORALIS	19	1	0.25, W	-	1.0
LIMNODRILUS HOFFMEISTERI	315	17	0.25, W	-	17.0
NEREIS LIMNICOLA	19	1	0.25, W	-	1.0
CLADOCERA	297	2	0.25, SF	1/ 8	16.0
COROPHIUM JUV.	19	1	0.25, W	-	1.0
ORABATEI SP. A	148	1	0.25, SF	1/ 8	8.0
TIPULIDAE LARVAE	19	1	0.25, W	-	1.0
CALANOIDA (PELAGIC)	297	2	0.25, SF	1/ 8	16.0
HARPACTICOIDA 3	1187	8	0.25, SF	1/ 8	64.0
HARPACTICOIDA 6	297	2	0.25, SF	1/ 8	16.0

STATION: 17C6- 2D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 5.7 LITERS

DATE: 10 SEPT 1979 TIME (PST) 11:38
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.6 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	25529	172	0.25,SF	1/ 8	1376.0
PARANAIS FRICI	148	1	0.25,SF	1/ 8	8.0
PARANAIS LITORALIS	148	1	0.25,SF	1/ 8	8.0
CLADOCERA	297	2	0.25,SF	1/ 8	16.0
TROMBIDIFORMES SPP.	1039	7	0.25,SF	1/ 8	56.0
CYCLOPOIDA (PELAGIC)	148	1	0.25,SF	1/ 8	8.0
CALANOIDA (PELAGIC)	445	3	0.25,SF	1/ 8	24.0
HARPACTICOIDA 3	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 9	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 13	594	4	0.25,SF	1/ 8	32.0
HARPACTICOIDA 14	148	1	0.25,SF	1/ 8	8.0

STATION: 17C6- 2D2

DATE: 10 SEPT 1979

TIME (PST) 11:52

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 6.4 LITERS

DEPTH BELOW CHART DATUM: 4.9 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	12319	83	0.25,SF	1/ 8	664.0
CLADOCERA	1484	10	0.25,SF	1/ 8	80.0
OSTRACODA	148	1	0.25,SF	1/ 8	8.0
COROPHIUM JUV.	148	1	0.25,SF	1/ 8	8.0
ORABATEI SP. A	148	1	0.25,SF	1/ 8	8.0
ORABATEI SP. B	297	2	0.25,SF	1/ 8	16.0
ORABATEI SPP.	148	1	0.25,SF	1/ 8	8.0
OTHER ACARI	148	1	0.25,SF	1/ 8	8.0
DIPTERA ADULT	297	2	0.25,SF	1/ 8	16.0
CYCLOPOIDA (PELAGIC)	148	1	0.25,SF	1/ 8	8.0
CALANOIDA (PELAGIC)	445	3	0.25,SF	1/ 8	24.0
HARPACTICOIDA 4	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 13	742	5	0.25,SF	1/ 8	40.0

STATION: 17C6- 251
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.9 LITERS

DATE: 10 SEPT 1979 TIME (PST) 12:05
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	13061	22	0.25,SF	1/ 32	704.0
PARANAIS FRICI	1187	2	0.25,SF	1/ 32	64.0
LIMNODRILUS HOFFMEISTERI	20946	105	0.25,W	-	1129.0
		32	0.25,SF	1/ 32	
NEREIS LIMNICOLA	705	38	0.25,W	-	38.0
AMPHICTEIS SPP.	1187	32	0.25,W	-	64.0
		1	0.25,SF	1/ 32	
CLADOCERA	1187	2	0.25,SF	1/ 32	64.0
COROPHIUM JUV.	594	1	0.25,SF	1/ 32	32.0
ORABATEI SP. A	1781	3	0.25,SF	1/ 32	96.0
CHIRONOMIDAE LARVAE	1187	2	0.25,SF	1/ 32	64.0
CYCLOPOIDA SP. 1	594	1	0.25,SF	1/ 32	32.0
HARPACTICOIDA 3	18998	32	0.25,SF	1/ 32	1024.0
HARPACTICOIDA 4	2968	5	0.25,SF	1/ 32	160.0
HARPACTICOIDA 13	594	1	0.25,SF	1/ 32	32.0

STATION: 17C6- 2S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 5.0 LITERS

DATE: 10 SEPT 1979 TIME (PST) 12:12
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: .7 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	18998	32	0.25,SF	1/ 32	1024.0
PARANAIS FRICI	594	1	0.25,SF	1/ 32	32.0
LIMNODRILUS HOFFMEISTERI	26586	89	0.25,W	-	1433.0
		42	0.25,SF	1/ 32	
NEREIS LIMNICOLA	835	13	0.25,W	-	45.0
		1	0.25,SF	1/ 32	
AMPHICTEIS SPP.	74	4	0.25,W	-	4.0
AMPHARETIDAE DAM. AND JUV.	594	1	0.25,SF	1/ 32	32.0
CLADOCERA	594	1	0.25,SF	1/ 32	32.0
COROPHIUM SALMONIS	19	1	0.25,W	-	1.0
ORABATEI SP. A	1781	3	0.25,SF	1/ 32	96.0
CHIRONOMIDAE LARVAE	594	1	0.25,SF	1/ 32	32.0
HARPACTICOIDA 3	11874	20	0.25,SF	1/ 32	640.0
HARPACTICOID 4	4156	7	0.25,SF	1/ 32	224.0

STATION: 17C6- 3D1

DATE: 10 SEPT 1979

TIME (PST) 14:09

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 5.9 LITERS

DEPTH BELOW CHART DATUM: 4.3 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	40074	270	0.25,SF	1/ 8	2160.0
LIMNODRILUS HOFFMEISTERI	130	7	0.25,W	-	7.0
CLADOCERA	148	1	0.25,SF	1/ 8	8.0
ORABATEI SP. A	742	5	0.25,SF	1/ 8	40.0
HARPACTICOIDA 3	148	1	0.25,SF	1/ 8	8.0

STATION: 17C6- 3D2

DATE: 10 SEPT 1979

TIME (PST) 14:15

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 6.1 LITERS

DEPTH BELOW CHART DATUM: 4.2 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	19147	129	0.25,SF	1/ 8	1032.0
LIMNODRILUS HOFFMEISTERI	148	1	0.25,SF	1/ 8	8.0
CLADOCERA	594	4	0.25,SF	1/ 8	32.0
ORABATEI SP. A	148	1	0.25,SF	1/ 8	8.0
CALANOIDA (PELAGIC)	297	2	0.25,SF	1/ 8	16.0
HARPACTICOIDA 3	445	3	0.25,SF	1/ 8	24.0
HARPACTICOIDA 13	742	5	0.25,SF	1/ 8	40.0

STATION: 17C6- 3S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.5 LITERS

DATE: 10 SEPT 1979 TIME (PST) 14:40
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	6679	45	0.25,SF	1/ 8	360.0
PARANAIS FRICI	1354	1	0.25,W	-	73.0
		9	0.25,SF	1/ 8	
LIMNODRILUS HOFFMEISTERI	13302	245	0.25,W	-	717.0
		59	0.25,SF	1/ 8	
NEREIS LIMNICOLA	241	13	0.25,W	-	13.0
AMPHICTEIS SPP.	148	1	0.25,SF	1/ 8	8.0
CHIRONOMIDAE LARVAE	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 2	2672	18	0.25,SF	1/ 8	144.0
HARPACTICOIDA 3	7124	48	0.25,SF	1/ 8	384.0
HARPACTICOIDA 4	148	1	0.25,SF	1/ 8	8.0

STATION: 17C6- 352
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.9 LITERS

DATE: 10 SEPT 1979 TIME (PST) 14:45
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	7718	52	0.25,SF	1/ 8	416.0
PARANAIS FRICI	594	4	0.25,SF	1/ 8	32.0
LIMNODRILUS HOFFMEISTERI	9759	166	0.25,W	-	526.0
		45	0.25,SF	1/ 8	
TUBIFICIDAE DAM. AND JUV.	19	1	0.25,W	-	1.0
NEREIS LIMNICOLA	427	15	0.25,W	-	23.0
		1	0.25,SF	1/ 8	
AMPHICTEIS SPP.	167	1	0.25,W	-	9.0
		1	0.25,SF	1/ 8	
AMPHARETIDAE DAM. AND JUV.	19	1	0.25,W	-	1.0
CLADOCERA	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 2	891	6	0.25,SF	1/ 8	48.0
HARPACTICOIDA 3	7718	52	0.25,SF	1/ 8	416.0
HARPACTICOIDA 4	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 13	594	4	0.25,SF	1/ 8	32.0

STATION: 17C6- 4D1

DATE: 10 SEPT 1979

TIME (PST) 15:45

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 4.9 LITERS

DEPTH BELOW CHART DATUM: 4.8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	104490	704	0.25,SF	1/ 8	5632.0
PARANAIS FRICI	19	1	0.25,W	-	1.0
PARANAIS LITORALIS	167	1	0.25,W	-	9.0
		1	0.25,SF	1/ 8	
LIMNODRILUS HOFFMEISTERI	19	1	0.25,W	-	1.0
SPIONIDAE DAM. AND JUV.	297	2	0.25,SF	1/ 8	16.0
BIVALVIA DAM. AND JUV.	297	2	0.25,SF	1/ 8	16.0
CLADOCERA	1039	7	0.25,SF	1/ 8	56.0
OSTRACODA	445	3	0.25,SF	1/ 8	24.0
ORABATEI SP. A	148	1	0.25,SF	1/ 8	8.0
CYCLOPOIDA (PELAGIC)	1633	11	0.25,SF	1/ 8	88.0
CALANOIDA (PELAGIC)	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 6	297	2	0.25,SF	1/ 8	16.0
HARPACTICOIDA 13	9499	64	0.25,SF	1/ 8	512.0

STATION: 17C6- 4D2

DATE: 10 SEPT 1979

TIME (PST) 15:50

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 6.6 LITERS

DEPTH BELOW CHART DATUM: 4.6 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	62931	424	0.25,SF	1/ 8	3392.0
PARANAIS FRICI	148	1	0.25,SF	1/ 8	8.0
PARANAIS LITORALIS	148	1	0.25,SF	1/ 8	8.0
BIVALVIA DAM. AND JUV.	148	1	0.25,SF	1/ 8	8.0
CLADOCERA	1484	10	0.25,SF	1/ 8	80.0
ORABATEI SP. A	148	1	0.25,SF	1/ 8	8.0
CYCLOPOIDA (PELAGIC)	1187	8	0.25,SF	1/ 8	64.0
CALANOIDA (PELAGIC)	742	5	0.25,SF	1/ 8	40.0
HARPACTICOIDA 1	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 3	445	3	0.25,SF	1/ 8	24.0
HARPACTICOIDA 6	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 13	12913	87	0.25,SF	1/ 8	696.0

STATION: 17C6- 4S1

DATE: 10 SEPT 1979

TIME (PST) 16:20

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 4.6 LITERS

DEPTH BELOW CHART DATUM: 1.3 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
GNORIMOSPHAEROMA JUV.	19	1	0.50,W	-	1.0
CRANGON FRANCISCORUM	19	1	0.50,W	-	1.0

STATION: 17C6- 452

DATE: 10 SEPT 1979

TIME (PST) 16:25

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 5.1 LITERS

DEPTH BELOW CHART DATUM: 1.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	6005	36	0.25,SS	-	323.7
CLADOCERA	334	2	0.25,SS	-	18.0

STATION: 17C6- 5D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.2 LITERS

DATE: 13 SEPT 1979 TIME (PST) 15:16
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.2 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	740928	2496	0.25,SF	1/ 16	39936.0
PARANAIS FRICI	297	1	0.25,SF	1/ 16	16.0
PARANAIS LITORALIS	37	2	0.25,W	-	2.0
CAPITELLA CAPITATA	538	13	0.25,W	-	29.0
		1	0.25,SF	1/ 16	
BIVALVIA DAM. AND JUV.	594	2	0.25,SF	1/ 16	32.0
CLADOCERA	297	1	0.25,SF	1/ 16	16.0
ORABATEI SP. A	297	1	0.25,SF	1/ 16	16.0
CHIRONOMIDAE LARVAE	297	1	0.25,SF	1/ 16	16.0
CALANOIDA (PELAGIC)	891	3	0.25,SF	1/ 16	48.0
HARPACTICOIDA 1	297	1	0.25,SF	1/ 16	16.0
HARPACTICOIDA 13	1781	6	0.25,SF	1/ 16	96.0

STATION: 17C6- 5D2

DATE: 13 SEPT 1979

TIME (PST) 15:26

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 4.3 LITERS

DEPTH BELOW CHART DATUM: 4.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	693432	4672	0.25,SF	1/ 8	37376.0
PARANAIS LITORALIS	315	1	0.25,W	-	17.0
		2	0.25,SF	1/ 8	
CAPITELLA CAPITATA	390	13	0.25,W	-	21.0
		1	0.25,SF	1/ 8	
ORABATEI SP. A	148	1	0.25,SF	1/ 8	8.0
CALANOIDA (PELAGIC)	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 3	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 6	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 13	1781	12	0.25,SF	1/ 8	96.0

STATION: 17C6- 5S1
LOCATION: STEVESTON HARBOUR
VOLUME OF SAMPLE: 4.7 LITERS

DATE: 13 SEPT 1979 TIME (PST) 16:02
GRAB: .054 METRES **2 PONAR GRAB
DEPTH BELOW CHART DATUM: 1.3 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	148	8	0.25,W	-	8.0
TUBIFICIDAE DAM. AND JUV.	312	2	0.25,SS	-	16.8
NEOMYSIS AWATSCHENSIS	37	2	0.50,W	-	2.0
CYCLOPOIDA SP. 1	156	1	0.25,SS	-	8.4
HARPACTICOIDA 3	156	1	0.25,SS	-	8.4

STATION: 17C6- 5S2
LOCATION: STEVESTON HARBOUR
VOLUME OF SAMPLE: 5.0 LITERS

DATE: 13 SEPT 1979 TIME (PST) 16:08
GRAB: .054 METRES **2 PONAR GRAB
DEPTH BELOW CHART DATUM: 1.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	3933	24	0.25,SS	-	212.0
TUBIFICIDAE DAM. AND JUV.	164	1	0.25,SS	-	8.8
HARPACTICOIDA 6	164	1	0.25,SS	-	8.8

STATION: 17C6- 6D1

DATE: 11 SEPT 1979

TIME (PST) 14:40

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 3.9 LITERS

DEPTH BELOW CHART DATUM: 5.3 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	140922	273	0.25,SS	1/ 4	7595.7
MACOMA BALTHICA	19	1	0.25,W	-	1.0
BIVALVIA DAM. AND JUV.	129	1	0.25,SS	-	7.0
EOGAMMARUS JUV.	37	2	0.50,W	-	2.0

STATION: 17C6- 6D2

DATE: 11 SEPT 1979

TIME (PST) 15:10

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 2.2 LITERS

DEPTH BELOW CHART DATUM: 4.9 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	60021	204	0.25,SS	1/ 4	3235.1
PARANAIS FRICI	74	1	0.25,SS	-	4.0
BIVALVIA DAM. AND JUV.	74	1	0.25,SS	-	4.0
CLADOCERA	956	13	0.25,SS	-	51.5
EOGAMMARUS JUV.	56	3	0.50,W	-	3.0
PARAPHOXUS MILLERI	74	1	0.25,SS	-	4.0
GAMMARID JUV.	147	2	0.25,SS	-	7.9
CYCLOPOIDA (PELAGIC)	441	6	0.25,SS	-	23.8
CALANOIDA (PELAGIC)	441	6	0.25,SS	-	23.8
HARPACTICOIDA 7	74	1	0.25,SS	-	4.0
HARPACTICOIDA 12	74	1	0.25,SS	-	4.0
HARPACTICOIDA 13	147	2	0.25,SS	-	7.9
HARPACTICOIDA 14	74	1	0.25,SS	-	4.0

STATION: 17C6- 6S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: .4 LITERS

DATE: 11 SEPT 1979 TIME (PST) 16:24
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	1484	20	0.25,SF	1/ 4	80.0
PARANAIS FRICI	111	2	0.25,W	-	6.0
		1	0.25,SF	1/ 4	
LIMNODRILUS HOFFMEISTERI	130	7	0.25,W	-	7.0
NEREIS LIMNICOLA	74	4	0.25,W	-	4.0
AMPHICTEIS SPP.	19	1	0.25,W	-	1.0
COROPHIUM SPINICORNE	334	18	0.25,W	-	18.0
COROPHIUM SALMONIS	74	4	0.25,W	-	4.0
EOGAMMARUS CONFERVICOLUS	93	5	0.25,W	-	5.0
COROPHIUM JUV.	724	19	0.25,W	-	39.0
		5	0.25,SF	1/ 4	
GAMMARID JUV.	74	1	0.25,SF	1/ 4	4.0
ORABATEI SP. A	74	1	0.25,SF	1/ 4	4.0
CHIRONOMIDAE LARVAE	19	1	0.25,W	-	1.0
CALANOIDA (PELAGIC)	74	1	0.25,SF	1/ 4	4.0
HARPACTICOIDA 1	74	1	0.25,SF	1/ 4	4.0
HARPACTICOIDA 3	371	5	0.25,SF	1/ 4	20.0
HARPACTICOIDA 13	74	1	0.25,SF	1/ 4	4.0

STATION: 17C6- 6S2

DATE: 11 SEPT 1979

TIME (PST) 16:32

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: .6 LITERS

DEPTH BELOW CHART DATUM: 1.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	2226	30	0.25,SF	1/ 4	120.0
PARANAIS FRICI	74	1	0.25,SF	1/ 4	4.0
PARANAIS LITORALIS	37	2	0.25,W	-	2.0
LIMNODRILUS HOFFMEISTERI	130	3	0.25,W	-	7.0
		1	0.25,SF	1/ 4	
NEREIS LIMNICOLA	186	6	0.25,W	-	10.0
		1	0.25,SF	1/ 4	
MANAYUNKIAAESTUARINA	19	1	0.25,W	-	1.0
BIVALVIA DAM. AND JUV.	74	1	0.25,SF	1/ 4	4.0
COROPHIUM SPINICORNE	223	12	0.25,W	-	12.0
COROPHIUM SALMONIS	278	7	0.25,W	-	15.0
		2	0.25,SF	1/ 4	
EOGAMMARUS CONFERVICOLUS	19	1	0.25,W	-	1.0
COROPHIUM JUV.	278	7	0.25,W	-	15.0
		2	0.25,SF	1/ 4	
CALANOIDA (PELAGIC)	74	1	0.25,SF	1/ 4	4.0
HARPACTICOIDA 3	1484	20	0.25,SF	1/ 4	80.0

STATION: 17C6- 9S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 3.4 LITERS

DATE: 13 SEPT 1979 TIME (PST) 16:54
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 2.7 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	2968	20	0.25,SF	1/ 8	160.0
PARANAIS FRICI	1020	15	0.25,W	-	55.0
		5	0.25,SF	1/ 8	
NEREIS LIMNICOLA	186	2	0.25,W	-	10.0
		1	0.25,SF	1/ 8	
CAPITELLA CAPITATA	19	1	0.25,W	-	1.0
AMPHARETIDAE DAM. AND JUV.	148	1	0.25,SF	1/ 8	8.0
MYSIDACEA DAM. AND JUV.	56	3	0.25,W	-	3.0
COROPHIUM SALMONIS	37	2	0.25,W	-	2.0
HARPACTICOIDA 2	891	6	0.25,SF	1/ 8	48.0
HARPACTICOIDA 3	5046	34	0.25,SF	1/ 8	272.0
HARPACTICOIDA 4	742	5	0.25,SF	1/ 8	40.0
HARPACTICOIDA 8	445	3	0.25,SF	1/ 8	24.0
HARPACTICOIDA 13	2968	20	0.25,SF	1/ 8	160.0

STATION: 17C6- 9S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 3.9 LITERS

DATE: 13 SEPT 1979 TIME (PST) 16:56
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 2.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	3859	26	0.25,SF	1/ 8	208.0
PARANAIS FRICI	1132	13	0.25,W	-	61.0
		6	0.25,SF	1/ 8	
SPIONIDAE DAM. AND JUV.	297	2	0.25,SF	1/ 8	16.0
AMPHICTEIS SPP.	19	1	0.25,W	-	1.0
AMPHARETIDAE DAM. AND JUV.	148	1	0.25,SF	1/ 8	8.0
COROPHIUM JUV.	19	1	0.25,W	-	1.0
GAMMARID JUV.	297	2	0.25,SF	1/ 8	16.0
CALANOIDA (PELAGIC)	297	2	0.25,SF	1/ 8	16.0
HARPACTICOIDA 3	4601	31	0.25,SF	1/ 8	248.0
HARPACTICOIDA 4	297	2	0.25,SF	1/ 8	16.0
HARPACTICOIDA 8	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 13	2968	20	0.25,SF	1/ 8	160.0

Benthos

Trip 19C7: 24 - 26 October 1979

STATION: 19C7- 101
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.7 LITERS

DATE: 25 OCTOBER 1979 TIME (PST) 08:50
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 6.8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	2078	7	0.25,SF	1/ 16	112.0
PARANAIS FRICI	12523	83	0.25,W	-	675.0
		37	0.25,SF	1/ 16	
PARANAIS LITORALIS	19	1	0.25,W	-	1.0
ETEONE LONGA	408	6	0.25,W	-	22.0
		1	0.25,SF	1/ 16	
NEREIS LIMNICOLA	853	46	0.25,W	-	46.0
MACOMA BALTHICA	93	5	0.25,W	-	5.0
BIVALVIA DAM. AND JUV.	297	1	0.25,SF	1/ 16	16.0
COROPHIUM SALMONIS	19	1	0.25,W	-	1.0
COROPHIUM JUV.	297	1	0.25,SF	1/ 16	16.0
EOGAMMARUS JUV.	37	2	0.25,W	-	2.0
ORABATEI SP. A	594	2	0.25,SF	1/ 16	32.0
ORABATEI SP. B	594	2	0.25,SF	1/ 16	32.0
CALANOIDA (PELAGIC)	7124	24	0.25,SF	1/ 16	384.0
HARPACTICOIDA 3	235102	792	0.25,SF	1/ 16	12672.0
HARPACTICOIDA 4	4750	16	0.25,SF	1/ 16	256.0

STATION: 19C7- 1D2

DATE: 25 OCTOBER 1979

TIME (PST) 08:58

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 4.5 LITERS

DEPTH BELOW CHART DATUM: 6.8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	2672	9	0.25,SF	1/ 16	144.0
PARANAIS FRICI	9276	68	0.25,W	-	500.0
		27	0.25,SF	1/ 16	
PARANAIS LITORALIS	56	3	0.25,W	-	3.0
ETEONE LONGA	19	1	0.25,W	-	1.0
NEREIS LIMNICOLA	872	31	0.25,W	-	47.0
		1	0.25,SF	1/ 16	
MACOMA BALTHICA	93	5	0.25,W	-	5.0
MACOMA JUV.	56	3	0.25,W	-	3.0
CALANOIDA(PELAGIC)	11874	40	0.25,SF	1/ 16	640.0
HARPACTICOIDA 3	142486	480	0.25,SF	1/ 16	7680.0
HARPACTICOIDA 4	2375	8	0.25,SF	1/ 16	128.0

STATION: 19C7- 1S1

DATE: 25 OCTOBER 1979

TIME (PST) 09:45

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 1.6 LITERS

DEPTH BELOW CHART DATUM: 2.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	2004	54	0.25,SF	1/ 2	108.0
PARANAIS FRICI	93	3	0.25,W	-	5.0
		1	0.25,SF	1/ 2	
LIMNODRILUS HOFFMEISTERI	56	3	0.25,W	-	3.0
NEREIS LIMNICOLA	19	1	0.25,W	-	1.0
NEOMYSIS AWATSCHENSIS	19	1	0.25,W	-	1.0
COROPHIUM SALMONIS	56	3	0.25,W	-	3.0
ORABATEI SP. A	37	1	0.25,SF	1/ 2	2.0
CALANOIDA (PELAGIC)	186	5	0.25,SF	1/ 2	10.0
HARPACTICOIDA 1	37	1	0.25,SF	1/ 2	2.0
HARPACTICOIDA 3	928	25	0.25,SF	1/ 2	50.0
HARPACTICOIDA 6	186	5	0.25,SF	1/ 2	10.0
HARPACTICOIDA 9	37	1	0.25,SF	1/ 2	2.0
HARPACTICOIDA 15	37	1	0.25,SF	1/ 2	2.0

STATION: 19C7- 1S2

DATE: 25 OCTOBER 1979

TIME (PST) 09:54

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 2.8 LITERS

DEPTH BELOW CHART DATUM: 2.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	56963	156	0.25,SS	1/ 4	3070.3
LIMNODRILUS HOFFMEISTERI	110	1	0.50,W	-	5.9
		1	0.25,SS	-	
ETEONE LONGA	19	1	0.50,W	-	1.0
CLADOCERA	183	2	0.25,SS	-	9.8
ORABATEI SP. A	91	1	0.25,SS	-	4.9
CHIRONOMIDAE LARVAE	91	1	0.25,SS	-	4.9
TIPULIDAE LARVAE	91	1	0.25,SS	-	4.9
CALANOIDA(PELAGIC)	1734	19	0.25,SS	-	93.5
HARPACTICOIDA 3	456	5	0.25,SS	-	24.6
HARPACTICOIDA 6	639	7	0.25,SS	-	34.4

STATION: 19C7- 2D1

DATE: 24 OCTOBER 1979

TIME (PST) 12:50

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 5.9 LITERS

DEPTH BELOW CHART DATUM: 4.6 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	11874	40	0.25,SF	1/ 16	640.0
PARANAIS LITORALIS	631	2	0.25,W	-	34.0
		2	0.25,SF	1/ 16	
AMPHICHAETA SANNIO	594	2	0.25,SF	1/ 16	32.0
LIMNODRILUS HOFFMEISTERI	19	1	0.25,W	-	1.0
CAPITELLA CAPITATA	315	1	0.25,W	-	17.0
		1	0.25,SF	1/ 16	
POLYDORA LIGNI	56	3	0.25,W	-	3.0
SPIONIDAE DAM. AND JUV.	594	2	0.25,SF	1/ 16	32.0
ARMANDIA BREVIS	19	1	0.25,W	-	1.0
ORABATEI SP. A	297	1	0.25,SF	1/ 16	16.0
ORABATEI SP. B	594	2	0.25,SF	1/ 16	32.0
ORABATEI SPP.	297	1	0.25,SF	1/ 16	16.0
CALANOIDA (PELAGIC)	891	3	0.25,SF	1/ 16	48.0
HARPACTICOIDA 3	2375	8	0.25,SF	1/ 16	128.0
HARPACTICOIDA 4	297	1	0.25,SF	1/ 16	16.0
HARPACTICOIDA 14	297	1	0.25,SF	1/ 16	16.0

STATION: 19C7- 2D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 5.9 LITERS

DATE: 24 OCTOBER 1979 TIME (PST) 13:02
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.6 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	13952	47	0.25,SF	1/ 16	752.0
PARANAIS LITORALIS	315	1	0.25,W	-	17.0
		1	0.25,SF	1/ 16	
AMPHICHAETA SANNIO	594	2	0.25,SF	1/ 16	32.0
LIMNODRILUS HOFFMEISTERI	297	1	0.25,SF	1/ 16	16.0
CAPITELLA CAPITATA	37	2	0.25,W	-	2.0
POLYDORA LIGNI	19	1	0.25,W	-	1.0
CLADOCERA	297	1	0.25,SF	1/ 16	16.0
ORABATEI SP. A	1484	5	0.25,SF	1/ 16	80.0
CALANOIDA (PELAGIC)	594	2	0.25,SF	1/ 16	32.0
HARPACTICOIDA 3	2968	10	0.25,SF	1/ 16	160.0
HARPACTICOIDA 6	297	1	0.25,SF	1/ 16	16.0

STATION: 19C7- 2S1

DATE: 24 OCTOBER 1979

TIME (PST) 13:33

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 4.4 LITERS

DEPTH BELOW CHART DATUM: 1.2 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	2672	9	0.25,SF	1/ 16	144.0
PARANAIS FRICI	891	3	0.25,SF	1/ 16	48.0
LIMNODRILUS HOFFMEISTERI	14007	195	0.25,W	-	755.0
		35	0.25,SF	1/ 16	
NEREIS LIMNICOLA	111	6	0.25,W	-	6.0
AMPHICTEIS SPP.	408	6	0.25,W	-	22.0
		1	0.25,SF	1/ 16	
AMPHARETIDAE DAM. AND JUV.	297	1	0.25,SF	1/ 16	16.0
ORABATEI SP. A	297	1	0.25,SF	1/ 16	16.0
HARPACTICOIDA 2	2672	9	0.25,SF	1/ 16	144.0
HARPACTICOIDA 3	10093	34	0.25,SF	1/ 16	544.0
HARPACTICOIDA 4	1187	4	0.25,SF	1/ 16	64.0

STATION: 19C7- 2S2

DATE: 24 OCTOBER 1979

TIME (PST) 13:42

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 4.6 LITERS

DEPTH BELOW CHART DATUM: 1.2 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	14842	25	0.25,SF	1/ 32	800.0
PARANAIS FRICI	1781	3	0.25,SF	1/ 32	96.0
LIMNODRILUS HOFFMEISTERI	37236	183	0.25,W	-	2007.0
		57	0.25,SF	1/ 32	
NEREIS LIMNICOLA	93	5	0.25,W	-	5.0
AMPHICTEIS SPP.	56	3	0.25,W	-	3.0
ORABATEI SP. A	1187	2	0.25,SF	1/ 32	64.0
HARPACTICOIDA 2	1187	2	0.25,SF	1/ 32	64.0
HARPACTICOIDA 3	11280	19	0.25,SF	1/ 32	608.0
HARPACTICOIDA 4	594	1	0.25,SF	1/ 32	32.0
HARPACTICOIDA 9	594	1	0.25,SF	1/ 32	32.0

STATION: 19C7- 3D1

DATE: 24 OCTOBER 1979

TIME (PST) 14:08

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 6.3 LITERS

DEPTH BELOW CHART DATUM: 4.9 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	124675	840	0.25,SF	1/ 8	6720.0
CAPITELLA CAPITATA	56	3	0.25,W	-	3.0
POLYDORA LIGNI	148	1	0.25,SF	1/ 8	8.0
SPIONIDAE DAM. AND JUV.	148	1	0.25,SF	1/ 8	8.0
ARMANDIA BREVIS	19	1	0.25,W	-	1.0
BIVALVIA DAM. AND JUV.	148	1	0.25,SF	1/ 8	8.0
ORABATEI SP. A	445	3	0.25,SF	1/ 8	24.0
ORABATEI SP. B	297	2	0.25,SF	1/ 8	16.0
CALANOIDA (PELAGIC)	297	2	0.25,SF	1/ 8	16.0
HARPACTICOIDA 3	3117	21	0.25,SF	1/ 8	168.0

STATION: 19C7- 3D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 5.6 LITERS

DATE: 24 OCTOBER 1979 TIME (PST) 14:15
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	103896	350	0.25,SF	1/ 16	5600.0
PARANAIS LITORALIS	56	3	0.25,W	-	3.0
NEREIS LIMNICOLA	19	1	0.25,W	-	1.0
CAPITELLA CAPITATA	93	5	0.25,W	-	5.0
POLYDORA LIGNI	297	1	0.25,SF	1/ 16	16.0
PSEUDOPOLYDORA SP.A DAM.	594	2	0.25,SF	1/ 16	32.0
SPIONIDAE DAM. AND JUV.	19	1	0.25,W	-	1.0
ARMANDIA BREVIS	19	1	0.25,W	-	1.0
ORABATEI SP. A	594	2	0.25,SF	1/ 16	32.0
ORABATEI SP. B	297	1	0.25,SF	1/ 16	16.0
CALANOIDA(PELAGIC)	297	1	0.25,SF	1/ 16	16.0
HARPACTICOIDA 3	3859	13	0.25,SF	1/ 16	208.0
HARPACTICOIDA 9	297	1	0.25,SF	1/ 16	16.0

STATION: 19C7- 3S1

DATE: 24 OCTOBER 1979

TIME (PST) 14:35

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 4.3 LITERS

DEPTH BELOW CHART DATUM: 1.7 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	15436	52	0.25,SF	1/ 16	832.0
PARANAIS FRICI	594	2	0.25,SF	1/ 16	32.0
PARANAIS LITORALIS	334	18	0.25,W	-	18.0
AMPHICHAETA SANNIO	891	3	0.25,SF	1/ 16	48.0
LIMNODRILUS HOFFMEISTERI	14879	178	0.25,W	-	802.0
		39	0.25,SF	1/ 16	
NEREIS LIMNICOLA	297	16	0.25,W	-	16.0
AMPHICTEIS SPP.	37	2	0.25,W	-	2.0
AMPHARETIDAE DAM. AND JUV.	594	2	0.25,SF	1/ 16	32.0
HARPACTICOIDA 2	594	2	0.25,SF	1/ 16	32.0
HARPACTICOIDA 3	11577	39	0.25,SF	1/ 16	624.0
HARPACTICOIDA 4	891	3	0.25,SF	1/ 16	48.0

STATION: 19C7- 3S2

DATE: 24 OCTOBER 1979

TIME (PST) 14:45

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 5.4 LITERS

DEPTH BELOW CHART DATUM: 1.7 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	9796	33	0.25,SF	1/ 16	528.0
PARANAIS FRICI	297	1	0.25,SF	1/ 16	16.0
PARANAIS LITORALIS	909	1	0.25,W	-	49.0
		3	0.25,SF	1/ 16	
LIMNODRILUS HOFFMEISTERI	10204	118	0.25,W	-	550.0
		27	0.25,SF	1/ 16	
NEREIS LIMNICOLA	241	13	0.25,W	-	13.0
AMPHICTEIS SPP.	74	4	0.25,W	-	4.0
COROPHIUM SALMONIS	19	1	0.25,W	-	1.0
ORABATEI SP. A	297	1	0.25,SF	1/ 16	16.0
CYCLOPOIDA SP. 1	297	1	0.25,SF	1/ 16	16.0
HARPACTICOIDA 3	15139	51	0.25,SF	1/ 16	816.0
HARPACTICOIDA 4	3859	13	0.25,SF	1/ 16	208.0
HARPACTICOIDA 8	594	2	0.25,SF	1/ 16	32.0

STATION: 19C7- 4D1

DATE: 24 OCTOBER 1979

TIME (PST) 10:20

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 6.2 LITERS

DEPTH BELOW CHART DATUM: 4.8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	493952	3328	0.25,SF	1/ 8	26624.0
PARANAIS FRICI	297	2	0.25,SF	1/ 8	16.0
PARANAIS LITORALIS	872	7	0.25,W	-	47.0
		5	0.25,SF	1/ 8	
CAPITELLA CAPITATA	1076	34	0.25,W	-	58.0
		3	0.25,SF	1/ 8	
SPIONIDAE DAM. AND JUV.	56	3	0.25,W	-	3.0
ARMANDIA BREVIS	260	14	0.25,W	-	14.0
BIVALVIA DAM. AND JUV.	297	2	0.25,SF	1/ 8	16.0
CLADOCERA	148	1	0.25,SF	1/ 8	8.0
GAMMARID JUV.	148	1	0.25,SF	1/ 8	8.0
CALANOIDA (PELAGIC)	1484	10	0.25,SF	1/ 8	80.0
HARPACTICOIDA 3	4601	31	0.25,SF	1/ 8	248.0
HARPACTICOIDA 13	742	5	0.25,SF	1/ 8	40.0

STATION: 19C7- 4D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 6.1 LITERS

DATE: 24 OCTOBER 1979 TIME (PST) 10:25
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.8 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	432208	1456	0.25,SF	1/ 16	23296.0
PARANAIS FRICI	909	1	0.25,W	-	49.0
		3	0.25,SF	1/ 16	
PARANAIS LITORALIS	649	3	0.25,W	-	35.0
		2	0.25,SF	1/ 16	
CAPITELLA CAPITATA	2375	48	0.25,W	-	128.0
		5	0.25,SF	1/ 16	
ARMANDIA BREVIS	538	13	0.25,W	-	29.0
		1	0.25,SF	1/ 16	
BIVALVIA DAM. AND JUV.	297	1	0.25,SF	1/ 16	16.0
CLADOCERA	297	1	0.25,SF	1/ 16	16.0
COROPHIUM SALMONIS	37	2	0.25,W	-	2.0
GAMMARID JUV.	297	1	0.25,SF	1/ 16	16.0
ORABATEI SP. A	891	3	0.25,SF	1/ 16	48.0
HALACARIDAE	297	1	0.25,SF	1/ 16	16.0
CALANOIDA (PELAGIC)	3265	11	0.25,SF	1/ 16	176.0
HARPACTICOIDA 2	594	2	0.25,SF	1/ 16	32.0
HARPACTICOIDA 3	11577	39	0.25,SF	1/ 16	624.0
HARPACTICOIDA 6	594	2	0.25,SF	1/ 16	32.0
HARPACTICOIDA 13	2078	7	0.25,SF	1/ 16	112.0

STATION: 19C7- 4S1

DATE: 24 OCTOBER 1979

TIME (PST) 11:05

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 4.5 LITERS

DEPTH BELOW CHART DATUM: 1.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	5750	39	0.25,SS	-	309.9
PARANAIS LITORALIS	608	1	0.50,W	-	32.8
		4	0.25,SS	-	
MARIONINA CHARLOTTENSIS	295	2	0.25,SS	-	15.9
NEREIS LIMNICOLA	147	1	0.25,SS	-	7.9
BIVALVIA DAM. AND JUV.	147	1	0.25,SS	-	7.9
COROPHIUM SALMONIS	166	1	0.50,W	-	8.9
		1	0.25,SS	-	
HARPACTICOIDA 2	295	2	0.25,SS	-	15.9
HARPACTICOIDA 3	2064	14	0.25,SS	-	111.3
HARPACTICOIDA 4	147	1	0.25,SS	-	7.9

STATION: 19C7- 4S2
LOCATION: STEVESTON HARBOUR
VOLUME OF SAMPLE: 3.4 LITERS

DATE: 24 OCTOBER 1979 TIME (PST) 11:09
GRAB: .054 METRES **2 PONAR GRAB
DEPTH BELOW CHART DATUM: 1.6 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	4801	43	0.25,SS	-	258.8
PARANAIS LITORALIS	112	1	0.25,SS	-	6.0
MARIONINA CHARLOTTENSIS	112	1	0.25,SS	-	6.0
NEREIS LIMNICOLA	19	1	0.50,W	-	1.0
EOGAMMARUS CONFERVICOLUS	19	1	0.50,W	-	1.0
EOGAMMARUS JUV.	112	1	0.25,SS	-	6.0
HARPACTICOIDA 3	335	3	0.25,SS	-	18.1

STATION: 19C7- 5D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 5.1 LITERS

DATE: 25 OCTOBER 1979 TIME (PST) 11:10
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 6.2 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	2023302	6816	0.25, SF	1/ 16	109056.0
PARANAIS LITORALIS	742	8	0.25, W	-	40.0
		2	0.25, SF	1/ 16	
LIMNODRILUS HOFFMEISTERI	19	1	0.25, W	-	1.0
ETEONE LONGA	19	1	0.25, W	-	1.0
CAPITELLA CAPITATA	1892	70	0.25, W	-	102.0
		2	0.25, SF	1/ 16	
POLYDORA LIGNI	37	2	0.25, W	-	2.0
PSEUDOPOLYDORA SP. A DAM.	37	2	0.25, W	-	2.0
MANAYUNKIA AESTUARINA	594	2	0.25, SF	1/ 16	32.0
ARMANDIA BREVIS	297	1	0.25, SF	1/ 16	16.0
NEOMYSIS AWATSCHEMENSIS	19	1	0.25, W	-	1.0
ORABATEI SP. A	594	2	0.25, SF	1/ 16	32.0
CALANOIDA (PELAGIC)	13358	45	0.25, SF	1/ 16	720.0
HARPACTICOIDA 3	21967	74	0.25, SF	1/ 16	1184.0
HARPACTICOIDA 9	297	1	0.25, SF	1/ 16	16.0
HARPACTICOIDA 13	2078	7	0.25, SF	1/ 16	112.0

STATION: 19C7- 5D2

DATE: 25 OCTOBER 1979

TIME (PST) 11:15

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 5.6 LITERS

DEPTH BELOW CHART DATUM: 6.2 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	1681336	5664	0.25,SF	1/ 16	90624.0
PARANAIS LITORALIS	3098	7	0.25,W	-	167.0
		10	0.25,SF	1/ 16	
LIMNODRILUS HOFFMEISTERI	130	7	0.25,W	-	7.0
CAPITELLA CAPITATA	2820	72	0.25,W	-	152.0
		5	0.25,SF	1/ 16	
POLYDORA LIGNI	37	2	0.25,W	-	2.0
PSEUDOPOLYDORA SP.A DAM.	315	1	0.25,W	-	17.0
		1	0.25,SF	1/ 16	
SPIONIDAE DAM. AND JUV.	297	1	0.25,SF	1/ 16	16.0
MANAYUNKIA AESTUARINA	297	1	0.25,SF	1/ 16	16.0
ORABATEI SP. A	594	2	0.25,SF	1/ 16	32.0
ORABATEI SP. B	297	1	0.25,SF	1/ 16	16.0
CALANOIDA (PELAGIC)	15733	53	0.25,SF	1/ 16	848.0
HARPACTICOIDA 3	19295	65	0.25,SF	1/ 16	1040.0
HARPACTICOIDA 13	1187	4	0.25,SF	1/ 16	64.0

STATION: 19C7- 5S1

DATE: 25 OCTOBER 1979

TIME (PST) 16:28

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 3.5 LITERS

DEPTH BELOW CHART DATUM: 1.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	8620	75	0.25,SS	-	464.6
PARANAIS FRICI	115	1	0.25,SS	-	6.2
PARANAIS LITORALIS	1817	5	0.50,W	-	97.9
		15	0.25,SS	-	
LIMNODRILUS HOFFMEISTERI	130	7	0.50,W	-	7.0
TUBIFICIDAE DAM. AND JUV.	2988	26	0.25,SS	-	161.1
MARIONINA CHARLOTTENSIS	230	2	0.25,SS	-	12.4
HARPACTICOIDA 3	575	5	0.25,SS	-	31.0
HARPACTICOIDA 4	230	2	0.25,SS	-	12.4

STATION: 19C7- 552
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.7 LITERS

DATE: 25 OCTOBER 1979 TIME (PST) 16:35
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	89	1	0.25,SS	-	4.8
NEMATODA	8009	90	0.25,SS	-	431.7
PARANAIS LITORALIS	1264	1	0.50,W	-	68.2
		14	0.25,SS	-	
MARIONINA CHARLOTTENSIS	267	3	0.25,SS	-	14.4
COROPHIUM SALMONIS	89	1	0.25,SS	-	4.8
HARPACTICOIDA 3	356	4	0.25,SS	-	19.2
HARPACTICOIDA 4	178	2	0.25,SS	-	9.6
HARPACTICOIDA 6	267	3	0.25,SS	-	14.4
HARPACTICOIDA 13	89	1	0.25,SS	-	4.8

STATION: 19C7- 6D1

DATE: 25 OCTOBER 1979

TIME (PST) 14:45

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 3.2 LITERS

DEPTH BELOW CHART DATUM: 5.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	628	6	0.25,SS	-	33.9
NEMATODA	171790	205	0.25,SS	1/ 8	9259.5
PARAPHOXUS MILLERI	19	1	0.50,W	-	1.0
ORABATEI SP. A	105	1	0.25,SS	-	5.6
HALACARIDAE	105	1	0.25,SS	-	5.6
CALANOIDA (PELAGIC)	2409	23	0.25,SS	-	129.9
HARPACTICOIDA 1	105	1	0.25,SS	-	5.6
HARPACTICOIDA 3	314	3	0.25,SS	-	16.9
HARPACTICOIDA 13	105	1	0.25,SS	-	5.6

STATION: 19C7- 6D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.2 LITERS

DATE: 25 OCTOBER 1979 TIME (PST) 15:00
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 5.2 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	109055	187	0.25,SS	1/ 8	5878.1
PARANAIS LITORALIS	73	1	0.25,SS	-	3.9
NEREIS LIMNICOLA	110	2	0.50,W	-	5.9
		1	0.25,SS	-	
ACANTHOMYSIS SPP.	19	1	0.50,W	-	1.0
PARAPHOXUS MILLERI	37	2	0.50,W	-	2.0
CALANOIDA (PELAGIC)	1385	19	0.25,SS	-	74.7
HARPACTICOIDA 6	73	1	0.25,SS	-	3.9

STATION: 19C7- 6S1

DATE: 25 OCTOBER 1979

TIME (PST) 15:40

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 1.7 LITERS

DEPTH BELOW CHART DATUM: .4 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	112	2	0.25,SS	-	6.1
NEMATODA	5952	106	0.25,SS	-	320.8
TUBIFICIDAE DAM. AND JUV.	898	16	0.25,SS	-	48.4
ACANTHOMYSIS SPP.	37	2	0.50,W	-	2.0
HARPACTICOIDA 6	730	13	0.25,SS	-	39.3

STATION: 19C7- 6S2
LOCATION: STEVESTON HARBOUR
VOLUME OF SAMPLE: 2.1 LITERS

DATE: 25 OCTOBER 1979 TIME (PST) 15:50
GRAB: .054 METRES **2 PONAR GRAB
DEPTH BELOW CHART DATUM: .7 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	476	7	0.25,SS	-	25.6
NEMATODA	8089	119	0.25,SS	-	436.0
TUBIFICIDAE DAM. AND JUV.	1699	25	0.25,SS	-	91.6
NEOMYSIS AWATSCHENSIS	19	1	0.50,W	-	1.0
COROPHIUM SPINICORNE	37	2	0.50,W	-	2.0
CHIRONOMIDAE LARVAE	19	1	0.50,W	-	1.0
HARPACTICOIDA 6	1631	24	0.25,SS	-	87.9

STATION: 19C7- 9S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 3.4 LITERS

DATE: 24 OCTOBER 1979 TIME (PST) 15:33
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 3.2 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	2523	17	0.25,SF	1/ 8	136.0
PARANAIS FRICI	353	3	0.25,W	-	19.0
		2	0.25,SF	1/ 8	
PARANAIS LITORALIS	19	1	0.25,W	-	1.0
LIMNODRILUS HOFFMEISTERI	186	10	0.25,W	-	10.0
NEREIS LIMNICOLA	37	2	0.25,W	-	2.0
POLYDORA LIGNI	186	2	0.25,W	-	10.0
		1	0.25,SF	1/ 8	
AMPHARETIDAE DAM. AND JUV.	19	1	0.25,W	-	1.0
MACOMA JUV.	19	1	0.25,W	-	1.0
NEOMYSIS AWATSCHENSIS	19	1	0.25,W	-	1.0
CUMELLA VULGARIS	297	2	0.25,SF	1/ 8	16.0
COROPHIUM SALMONIS	111	6	0.25,W	-	6.0
CALANOIDA (PELAGIC)	891	6	0.25,SF	1/ 8	48.0
HARPACTICOIDA 3	17811	120	0.25,SF	1/ 8	960.0
HARPACTICOIDA 4	1039	7	0.25,SF	1/ 8	56.0
HARPACTICOIDA 9	297	2	0.25,SF	1/ 8	16.0
HARPACTICOIDA 13	594	4	0.25,SF	1/ 8	32.0

STATION: 19C7- 952

DATE: 26 OCTOBER 1979

TIME (PST) 08:21

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 2.9 LITERS

DEPTH BELOW CHART DATUM: 4.3 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	2226	30	0.25,SF	1/ 4	120.0
PARANAIS FRICI	2115	2	0.25,W	-	114.0
		28	0.25,SF	1/ 4	
PARANAIS LITORALIS	334	2	0.25,W	-	18.0
		4	0.25,SF	1/ 4	
NEREIS LIMNICOLA	37	2	0.25,W	-	2.0
POLYDORA LIGNI	19	1	0.25,W	-	1.0
CLADOCERA	74	1	0.25,SF	1/ 4	4.0
COROPHIUM SALMONIS	111	6	0.25,W	-	6.0
ORABATEI SP. A	223	3	0.25,SF	1/ 4	12.0
CALANOIDA (PELAGIC)	223	3	0.25,SF	1/ 4	12.0
HARPACTICOIDA 3	8683	117	0.25,SF	1/ 4	468.0

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Trip 21C8: 11 - 14 December 1979

STATION: 2108- 101
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.7 LITERS

DATE: 11 DEC 1979 TIME (PST) 12:25
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 5.6 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	12468	21	0.25,SF	1/ 32	672.0
PARANAIS FRICI	8905	32	0.25,W	-	480.0
		14	0.25,SF	1/ 32	
PARANAIS LITORALIS	1781	3	0.25,SF	1/ 32	96.0
ETEONE LONGA	167	9	0.25,W	-	9.0
NEREIS LIMNICOLA	204	11	0.25,W	-	11.0
MACOMA BALTHICA	74	4	0.25,W	-	4.0
MACOMA JUV.	3451	26	0.25,W	-	186.0
		5	0.25,SF	1/ 32	
COROPHIUM SPINICORNE	19	1	0.25,W	-	1.0
COROPHIUM SALMONIS	148	8	0.25,W	-	8.0
EOGAMMARUS CONFERVICOLUS	594	1	0.25,SF	1/ 32	32.0
COROPHIUM JUV.	19	1	0.25,W	-	1.0
EOGAMMARUS JUV.	74	4	0.25,W	-	4.0
CALANOIDA (PELAGIC)	594	1	0.25,SF	1/ 32	32.0
HARPACTICOIDA 2	2968	5	0.25,SF	1/ 32	160.0
HARPACTICOIDA 3	86085	145	0.25,SF	1/ 32	4640.0
HARPACTICOIDA 4	1781	3	0.25,SF	1/ 32	96.0
HARPACTICOIDA 15	594	1	0.25,SF	1/ 32	32.0

STATION: 21C8- 102
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 3.6 LITERS

DATE: 11 DEC 1979 TIME (PST) 12:37
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 6.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	10686	18	0.25,SF	1/ 32	576.0
PARANAIS FRICI	6568	34	0.25,W	-	354.0
		10	0.25,SF	1/ 32	
PARANAIS LITORALIS	1781	3	0.25,SF	1/ 32	96.0
LIMNODRILUS HOFFMEISTERI	19	1	0.25,W	-	1.0
ETEONE LONGA	835	13	0.25,W	-	45.0
		1	0.25,SF	1/ 32	
NEREIS LIMNICOLA	186	10	0.25,W	-	10.0
CAPITELLA CAPITATA	19	1	0.25,W	-	1.0
MANAYUNKIA ÆSTUARINA	19	1	0.25,W	-	1.0
MACOMA BALTHICA	37	2	0.25,W	-	2.0
MACOMA JUV.	3451	26	0.25,W	-	186.0
		5	0.25,SF	1/ 32	
COROPHIUM SALMONIS	724	7	0.25,W	-	39.0
		1	0.25,SF	1/ 32	
COROPHIUM JUV.	1187	2	0.25,SF	1/ 32	64.0
HARPACTICOIDA 3	73618	124	0.25,SF	1/ 32	3968.0
HARPACTICOIDA 4	594	1	0.25,SF	1/ 32	32.0

STATION: 21C8- 1S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.0 LITERS

DATE: 11 DEC 1979 TIME (PST) 13:04
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: .9 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	1025	16	0.25,SS	-	55.2
NEMATODA	47128	92	0.25,SS	1/ 8	2540.2
PARANAIS LITORALIS	19	1	0.50,W	-	1.0
LIMNODRILUS HOFFMEISTERI	83	1	0.50,W	-	4.5
		1	0.25,SS	-	
MARIONINA SUBTERRANEA	64	1	0.25,SS	-	3.5
NEREIS LIMNICOLA	19	1	0.50,W	-	1.0
MACOMA JUV.	19	1	0.50,W	-	1.0
NEOMYSIS AWATSCHENSIS	19	1	0.50,W	-	1.0
HARPACTICOIDA 2	64	1	0.25,SS	-	3.5
HARPACTICOIDA 3	320	5	0.25,SS	-	17.3
HARPACTICOIDA 6	64	1	0.25,SS	-	3.5

STATION: 2108- 152
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.2 LITERS

DATE: 11 DEC 1979 TIME (PST) 13:10
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	567	8	0.25,SS	-	30.6
NEMATODA	40854	72	0.25,SS	1/ 8	2202.1
AMPHICHAETA SANNIO	71	1	0.25,SS	-	3.8
NEREIS LIMNICOLA	19	1	0.50,W	-	1.0
HARPACTICOIDA 2	71	1	0.25,SS	-	3.8
HARPACTICOIDA 3	71	1	0.25,SS	-	3.8

STATION: 2108- 2D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 5.4 LITERS

DATE: 12 DEC 1979 TIME (PST) 15:52
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	148	1	0.25, SF	1/ 8	8.0
NEMATODA	12319	83	0.25, SF	1/ 8	664.0
PARANAIS FRICI	928	2	0.25, W	-	50.0
		6	0.25, SF	1/ 8	
PARANAIS LITORALIS	2542	17	0.25, W	-	137.0
		15	0.25, SF	1/ 8	
CAPITELLA CAPITATA	408	22	0.25, W	-	22.0
POLYDORA LIGNI	167	1	0.25, W	-	9.0
		1	0.25, SF	1/ 8	
ARMANDIA BREVIS	37	2	0.25, W	-	2.0
AMPHARETIDAE DAM. AND JUV.	297	2	0.25, SF	1/ 8	16.0
EOGAMMARUS JUV.	19	1	0.25, W	-	1.0
ORABATEI SP. A	148	1	0.25, SF	1/ 8	8.0
HARPACTICOIDA 2	445	3	0.25, SF	1/ 8	24.0
HARPACTICOIDA 3	6976	47	0.25, SF	1/ 8	376.0
HARPACTICOIDA 6	148	1	0.25, SF	1/ 8	8.0
HARPACTICOIDA 13	594	4	0.25, SF	1/ 8	32.0

STATION: 21C8- 2D2

DATE: 12 DEC 1979

TIME (PST) 16:00

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 5.6 LITERS

DEPTH BELOW CHART DATUM: 4.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	22263	75	0.25,SF	1/ 16	1200.0
PARANAIS FRICI	631	2	0.25,W	-	34.0
		2	0.25,SF	1/ 16	
PARANAIS LITORALIS	4323	9	0.25,W	-	233.0
		14	0.25,SF	1/ 16	
AMPHICHAETA SANNIO	1187	4	0.25,SF	1/ 16	64.0
ETEONE LONGA	19	1	0.25,W	-	1.0
CAPITELLA CAPITATA	501	11	0.25,W	-	27.0
		1	0.25,SF	1/ 16	
POLYDORA LIGNI	37	2	0.25,W	-	2.0
ARMANDIA BREVIS	19	1	0.25,W	-	1.0
AMPHARETIDAE DAM. AND JUV.	891	3	0.25,SF	1/ 16	48.0
HARPACTICOIDA 3	7124	24	0.25,SF	1/ 16	384.0
HARPACTICOIDA 4	297	1	0.25,SF	1/ 16	16.0
HARPACTICOIDA 9	594	2	0.25,SF	1/ 16	32.0
HARPACTICOIDA 13	297	1	0.25,SF	1/ 16	16.0

STATION: 2108 - 251 DATE: 12 DEC 1979 TIME (PST) 16:16
 LOCATION: STEVESTON HARBOUR GRAB: .054 METRES **2 PONAR GRAB
 VOLUME OF SAMPLE: 1.9 LITERS DEPTH BELOW CHART DATUM: 1.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	1484	5	0.25,SF	1/ 16	80.0
NEMATODA	30278	102	0.25,SF	1/ 16	1632.0
PARANAIS FRICI	4286	7	0.25,W	-	231.0
		14	0.25,SF	1/ 16	
PARANAIS LITORALIS	649	3	0.25,W	-	35.0
		2	0.25,SF	1/ 16	
AMPHICHAETA SANNIO	891	3	0.25,SF	1/ 16	48.0
LIMNODRILUS HOFFMEISTERI	5677	50	0.25,W	-	306.0
		16	0.25,SF	1/ 16	
ETEONE LONGA	19	1	0.25,W	-	1.0
NEREIS LIMNICOLA	111	6	0.25,W	-	6.0
AMPHICTEIS SPP.	74	4	0.25,W	-	4.0
AMPHARETIDAE DAM. AND JUV.	2412	2	0.25,W	-	130.0
		8	0.25,SF	1/ 16	
COROPHIUM SALMONIS	37	2	0.25,W	-	2.0
CHIRONOMIDAE LARVAE	19	1	0.25,W	-	1.0
HARPACTICOIDA 2	7124	24	0.25,SF	1/ 16	384.0
HARPACTICOIDA 3	9499	32	0.25,SF	1/ 16	512.0
HARPACTICOIDA 4	891	3	0.25,SF	1/ 16	48.0
HARPACTICOIDA 13	891	3	0.25,SF	1/ 16	48.0

STATION: 21C8 - 2S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.9 LITERS

DATE: 12 DEC 1979 TIME (PST) 16:20
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: .3 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	2968	5	0.25,SF	1/ 32	160.0
NEMATODA	26122	44	0.25,SF	1/ 32	1408.0
PARANAIS FRICI	2375	4	0.25,SF	1/ 32	128.0
PARANAIS LITORALIS	19	1	0.25,W	-	1.0
AMPHICHAETA SANNIO	2375	4	0.25,SF	1/ 32	128.0
LIMNODRILUS HOFFMEISTERI	13562	59	0.25,W	-	731.0
		21	0.25,SF	1/ 32	
ETEONE LONGA	594	1	0.25,SF	1/ 32	32.0
NEREIS LIMNICOLA	148	8	0.25,W	-	8.0
AMPHICTEIS SPP.	724	7	0.25,W	-	39.0
		1	0.25,SF	1/ 32	
AMPHARETIDAE DAM. AND JUV.	594	1	0.25,SF	1/ 32	32.0
COROPHIUM SALMONIS	19	1	0.25,W	-	1.0
COROPHIUM JUV.	56	3	0.25,W	-	3.0
ORABATEI SP. A	1187	2	0.25,SF	1/ 32	64.0
HARPACTICOIDA 2	4750	8	0.25,SF	1/ 32	256.0
HARPACTICOIDA 3	9499	16	0.25,SF	1/ 32	512.0
HARPACTICOIDA 4	2375	4	0.25,SF	1/ 32	128.0

STATION: 21C8- 3D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 5.9 LITERS

DATE: 12 DEC 1979 TIME (PST) 16:55
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.4 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	166234	1120	0.25,SF	1/ 8	8960.0
PARANAIS FRICI	297	2	0.25,SF	1/ 8	16.0
PARANAIS LITORALIS	315	1	0.25,W	-	17.0
		2	0.25,SF	1/ 8	
AMPHICHAETA SANNIO	148	1	0.25,SF	1/ 8	8.0
CAPITELLA CAPITATA	445	24	0.25,W	-	24.0
POLYDORA LIGNI	148	8	0.25,W	-	8.0
CUMELLA VULGARIS	148	1	0.25,SF	1/ 8	8.0
ORABATEI SP. A	297	2	0.25,SF	1/ 8	16.0
HARPACTICOIDA 1	445	3	0.25,SF	1/ 8	24.0
HARPACTICOIDA 3	3414	23	0.25,SF	1/ 8	184.0
HARPACTICOIDA 4	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 13	297	2	0.25,SF	1/ 8	16.0

STATION: 21C8- 3D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 5.6 LITERS

DATE: 12 DEC 1979 TIME (PST) 17:00
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 4.4 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	115176	776	0.25,SF	1/ 8	6208.0
PARANAIS LITORALIS	1373	10	0.25,W	-	74.0
		8	0.25,SF	1/ 8	
AMPHICHAETA SANNIO	148	1	0.25,SF	1/ 8	8.0
CAPITELLA CAPITATA	371	12	0.25,W	-	20.0
		1	0.25,SF	1/ 8	
POLYDORA LIGNI	74	4	0.25,W	-	4.0
SPIONIDAE DAM. AND JUV.	445	3	0.25,SF	1/ 8	24.0
ARMANDIA BREVIS	19	1	0.25,W	-	1.0
MACOMA JUV.	19	1	0.25,W	-	1.0
CUMELLA VULGARIS	148	1	0.25,SF	1/ 8	8.0
CALANOIDA (PELAGIC)	297	2	0.25,SF	1/ 8	16.0
HARPACTICOIDA 2	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 3	6085	41	0.25,SF	1/ 8	328.0
HARPACTICOIDA 4	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 13	445	3	0.25,SF	1/ 8	24.0

STATION: 21C8- 3S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.3 LITERS

DATE: 14 DEC 1979 TIME (PST) 09:45
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.2 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	594	2	0.25,SF	1/ 16	32.0
NEMATODA	8905	30	0.25,SF	1/ 16	480.0
PARANAIS FRICI	3284	1	0.25,W	-	177.0
		11	0.25,SF	1/ 16	
PARANAIS LITORALIS	1521	2	0.25,W	-	82.0
		5	0.25,SF	1/ 16	
AMPHICHAETA SANNIO	5640	19	0.25,SF	1/ 16	304.0
LIMNODRILUS HOFFMEISTERI	5770	55	0.25,W	-	311.0
		16	0.25,SF	1/ 16	
ETEONE LONGA	56	3	0.25,W	-	3.0
NEREIS LIMNICOLA	74	4	0.25,W	-	4.0
AMPHICTEIS SPP.	297	1	0.25,SF	1/ 16	16.0
COROPHIUM SALMONIS	37	2	0.25,W	-	2.0
CYCLOPOIDA SP. 1	297	1	0.25,SF	1/ 16	16.0
HARPACTICOIDA 2	297	1	0.25,SF	1/ 16	16.0
HARPACTICOIDA 3	5640	19	0.25,SF	1/ 16	304.0
HARPACTICOIDA 4	297	1	0.25,SF	1/ 16	16.0

STATION: 2108- 352

DATE: 14 DEC 1979

TIME (PST) 09:56

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 4.8 LITERS

DEPTH BELOW CHART DATUM: 1.2 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	148	1	0.25,SF	1/ 8	8.0
NEMATODA	7718	52	0.25,SF	1/ 8	416.0
PARANAIS FRICI	705	6	0.25,W	-	38.0
		4	0.25,SF	1/ 8	
PARANAIS LITORALIS	1725	5	0.25,W	-	93.0
		11	0.25,SF	1/ 8	
AMPHICHAETA SANNIO	3859	26	0.25,SF	1/ 8	208.0
LIMNODRILUS HOFFMEISTERI	7032	155	0.25,W	-	379.0
		28	0.25,SF	1/ 8	
ETEONE LONGA	37	2	0.25,W	-	2.0
NEREIS LIMNICOLA	148	8	0.25,W	-	8.0
CAPITELLA CAPITATA	19	1	0.25,W	-	1.0
AMPHICTEIS SPP.	37	2	0.25,W	-	2.0
AMPHARETIDAE DAM. AND JUV.	167	1	0.25,W	-	9.0
		1	0.25,SF	1/ 8	
CLADOCERA	148	1	0.25,SF	1/ 8	8.0
COROPHIUM SALMONIS	167	9	0.25,W	-	9.0
CRANGON FRANCISCORUM	19	1	0.25,W	-	1.0
HARPACTICOIDA 2	891	6	0.25,SF	1/ 8	48.0
HARPACTICOIDA 3	3265	22	0.25,SF	1/ 8	176.0
HARPACTICOIDA 4	594	4	0.25,SF	1/ 8	32.0
HARPACTICOIDA 9	148	1	0.25,SF	1/ 8	8.0

STATION: 2108- 4D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 6.0 LITERS

DATE: 11 DEC 1979 TIME (PST) 15:00
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 5.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	124675	420	0.25,SF	1/ 16	6720.0
PARANAIS FRICI	315	1	0.25,W	-	17.0
		1	0.25,SF	1/ 16	
PARANAIS LITORALIS	7662	13	0.25,W	-	413.0
		25	0.25,SF	1/ 16	
ETEONE LONGA	19	1	0.25,W	-	1.0
CAPITELLA CAPITATA	3506	109	0.25,W	-	189.0
		5	0.25,SF	1/ 16	
POLYDORA LIGNI	56	3	0.25,W	-	3.0
PSEUDOPOLYDORA SP.A DAM.	19	1	0.25,W	-	1.0
ARMANDIA BREVIS	130	7	0.25,W	-	7.0
COROPHIUM JUV.	19	1	0.25,W	-	1.0
CALANOIDA (PELAGIC)	1187	4	0.25,SF	1/ 16	64.0
HARPACTICOIDA 3	3265	11	0.25,SF	1/ 16	176.0
HARPACTICOIDA 13	1781	6	0.25,SF	1/ 16	96.0

STATION: 2108- 4D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 6.2 LITERS

DATE: 11 DEC 1979 TIME (PST) 15:25
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 5.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	230353	776	0.25,SF	1/ 16	12416.0
PARANAIS FRICI	612	1	0.25,W	-	33.0
		2	0.25,SF	1/ 16	
PARANAIS LITORALIS	7458	18	0.25,W	-	402.0
		24	0.25,SF	1/ 16	
ETEONE LONGA	19	1	0.25,W	-	1.0
CAPITELLA CAPITATA	2783	102	0.25,W	-	150.0
		3	0.25,SF	1/ 16	
ARMANDIA BREVIS	37	2	0.25,W	-	2.0
MACOMA JUV.	19	1	0.25,W	-	1.0
EOGAMMARUS CONFERVICOLUS	19	1	0.25,W	-	1.0
EOGAMMARUS JUV.	56	3	0.25,W	-	3.0
GAMMARID JUV.	297	1	0.25,SF	1/ 16	16.0
ORABATEI SP. A	297	1	0.25,SF	1/ 16	16.0
CALANOIDA (PELAGIC)	297	1	0.25,SF	1/ 16	16.0
HARPACTICOIDA 3	5640	19	0.25,SF	1/ 16	304.0
HARPACTICOIDA 13	594	2	0.25,SF	1/ 16	32.0

STATION: 2108- 451
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.0 LITERS

DATE: 11 DEC 1979 TIME (PST) 15:55
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.7 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	1176	9	0.25,SS	-	63.4
NEMATODA	19604	150	0.25,SS	-	1056.6
PARANAIS LITORALIS	1120	4	0.50,W	-	60.4
		8	0.25,SS	-	
ETEONE LONGA	74	4	0.50,W	-	4.0
NEREIS LIMNICOLA	19	1	0.50,W	-	1.0
MANAYUNKIAAESTUARINA	131	1	0.25,SS	-	7.0
COROPHIUM SALMONIS	19	1	0.50,W	-	1.0
EOGAMMARUS CONFERVICOLUS	37	2	0.50,W	-	2.0
PARAPHOXUS MILLERI	131	1	0.25,SS	-	7.0
HARPACTICOIDA 1	131	1	0.25,SS	-	7.0
HARPACTICOIDA 3	131	1	0.25,SS	-	7.0
HARPACTICOIDA 4	261	2	0.25,SS	-	14.1
HARPACTICOIDA 13	131	1	0.25,SS	-	7.0

STATION: 21C8- 4S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.8 LITERS

DATE: 11 DEC 1979 TIME (PST) 16:10
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.3 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	92	1	0.25,SS	-	5.0
NEMATODA	9504	103	0.25,SS	-	512.3
PARANAIS LITORALIS	1587	1	0.50,W	-	85.5
		17	0.25,SS	-	
ETEONE LONGA	295	1	0.50,W	-	15.9
		3	0.25,SS	-	
NEREIS LIMNICOLA	19	1	0.50,W	-	1.0
MACOMA BALTHICA	92	1	0.25,SS	-	5.0
NEOMYSIS AWATSCHENSIS	92	1	0.25,SS	-	5.0
CUMELLA VULGARIS	148	1	0.25,SF	1/ 8	8.0
PARAPHOXUS MILLERI	92	1	0.25,SS	-	5.0
OTHER ACARI	92	1	0.25,SS	-	5.0
DIPTERA ADULT	92	1	0.25,SS	-	5.0
CYCLOPOIDA (PELAGIC)	92	1	0.25,SS	-	5.0
HARPACTICOIDA 4	92	1	0.25,SS	-	5.0
HARPACTICOIDA 6	277	3	0.25,SS	-	14.9
HARPACTICOIDA 13	277	3	0.25,SS	-	14.9

STATION: 2108- 5D1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.3 LITERS

DATE: 11 DEC 1979 TIME (PST) 16:36
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 5.9 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	719555	4848	0.25,SF	1/ 8	38784.0
PARANAIS FRICI	148	1	0.25,SF	1/ 8	8.0
PARANAIS LITORALIS	3544	23	0.25,W	-	191.0
		21	0.25,SF	1/ 8	
ETEONE LONGA	37	2	0.25,W	-	2.0
CAPITELLA CAPITATA	2449	108	0.25,W	-	132.0
		3	0.25,SF	1/ 8	
POLYDORA LIGNI	19	1	0.25,W	-	1.0
MANAYUNKIA AESTUARINA	148	1	0.25,SF	1/ 8	8.0
ARMANDIA BREVIS	19	1	0.25,W	-	1.0
MACOMA BALTHICA	19	1	0.25,W	-	1.0
MACOMA JUV.	130	7	0.25,W	-	7.0
BIVALVIA DAM. AND JUV.	297	2	0.25,SF	1/ 8	16.0
COROPHIUM SALMONIS	19	1	0.25,W	-	1.0
GAMMARID JUV.	148	1	0.25,SF	1/ 8	8.0
ORABATEI SP. A	148	1	0.25,SF	1/ 8	8.0
ORABATEI SP. B	148	1	0.25,SF	1/ 8	8.0
CYCLORRHAPHA	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 3	17069	115	0.25,SF	1/ 8	920.0
HARPACTICOIDA 13	742	5	0.25,SF	1/ 8	40.0

STATION: 21C8- 5D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 3.9 LITERS

DATE: 11 DEC 1979 TIME (PST) 16:40
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 6.0 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	757551	5104	0.25,SF	1/ 8	40832.0
PARANAIS FRICI	909	1	0.25,W	-	49.0
		6	0.25,SF	1/ 8	
PARANAIS LITORALIS	4583	23	0.25,W	-	247.0
		28	0.25,SF	1/ 8	
CAPITELLA CAPITATA	3562	104	0.25,W	-	192.0
		11	0.25,SF	1/ 8	
POLYDORA LIGNI	19	1	0.25,W	-	1.0
PSEUDOPOLYDORA SP.A DAM.	148	1	0.25,SF	1/ 8	8.0
MACOMA JUV.	186	2	0.25,W	-	10.0
		1	0.25,SF	1/ 8	
HARPACTICOIDA 3	11132	75	0.25,SF	1/ 8	600.0
HARPACTICOIDA 13	297	2	0.25,SF	1/ 8	16.0

STATION: 21C8- 5S1 DATE: 12 DEC 1979 TIME (PST) 08:42
 LOCATION: STEVESTON HARBOUR GRAB: .054 METRES **2 PONAR GRAB
 VOLUME OF SAMPLE: 3.7 LITERS DEPTH BELOW CHART DATUM: 1.7 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	241	13	0.25,W	-	13.0
NEMATODA	7254	391	0.25,W	-	391.0
PARANAIS FRICI	19	1	0.25,W	-	1.0
PARANAIS LITORALIS	278	15	0.25,W	-	15.0
SPECARIA FRASERI	19	1	0.25,W	-	1.0
ENCHYTRAEIDAE DAM. AND JUV.	19	1	0.25,W	-	1.0
ETEONE LONGA	19	1	0.25,W	-	1.0
COROPHIUM JUV.	19	1	0.25,W	-	1.0
PARAPHOXUS MILLERI	19	1	0.25,W	-	1.0
ORABATEI SP. A	19	1	0.25,W	-	1.0
OTHER ACARI	37	2	0.25,W	-	2.0
HARPACTICOIDA 3	167	9	0.25,W	-	9.0
HARPACTICOIDA 4	37	2	0.25,W	-	2.0
HARPACTICOIDA 6	167	9	0.25,W	-	9.0
HARPACTICOIDA 13	37	2	0.25,W	-	2.0

STATION: 2108- 5S2 DATE: 12 DEC 1979 TIME (PST) 08:54
 LOCATION: STEVESTON HARBOUR GRAB: .054 METRES **2 PONAR GRAB
 VOLUME OF SAMPLE: 3.6 LITERS DEPTH BELOW CHART DATUM: 1.9 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	594	5	0.25,SS	-	32.0
NEMATODA	9628	81	0.25,SS	-	519.0
PARANAIS LITORALIS	37	2	0.50,W	-	2.0
MARIONINA CHARLOTTENSIS	137	1	0.50,W	-	7.4
		1	0.25,SS	-	
ETEONE LONGA	119	1	0.25,SS	-	6.4
HARPACTICOIDA 6	594	5	0.25,SS	-	32.0

STATION: 2108- 601

DATE: 13 DEC 1979

TIME (PST) 08:59

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: 1.9 LITERS

DEPTH BELOW CHART DATUM: 5.1 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	32443	130	0.25,SS	1/ 4	1748.7
LIMNODRILUS HOFFMEISTERI	62	1	0.25,SS	-	3.4
BIVALVIA DAM. AND JUV.	62	1	0.25,SS	-	3.4
EOGAMMARUS CONFERVICOLUS	62	1	0.25,SS	-	3.4
PARAPHOXUS MILLERI	261	4	0.50,W	-	14.1
		3	0.25,SS	-	
CALANOIDA (PELAGIC)	62	1	0.25,SS	-	3.4
HARPACTICOIDA 3	437	7	0.25,SS	-	23.5
HARPACTICOIDA 6	62	1	0.25,SS	-	3.4
HARPACTICOIDA 7	62	1	0.25,SS	-	3.4

STATION: 2108- 6D2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 2.3 LITERS

DATE: 13 DEC 1979 TIME (PST) 09:05
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 5.4 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
TURBELLARIA	76	1	0.25,SS	-	4.1
NEMATODA	36262	119	0.25,SS	1/ 4	1954.5
MACOMA JUV.	56	3	0.50,W	-	3.0
CLADOCERA	76	1	0.25,SS	-	4.1
COROPHIUM SALMONIS	19	1	0.50,W	-	1.0
PARAPHOXUS MILLERI	56	3	0.50,W	-	3.0

STATION: 2108- 6S1

DATE: 13 DEC 1979

TIME (PST) 09:30

LOCATION: STEVESTON HARBOUR

GRAB: .054 METRES **2 PONAR GRAB

VOLUME OF SAMPLE: .8 LITERS

DEPTH BELOW CHART DATUM: 1.4 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
CORDYLOPHORA SP. A	19	1	0.50,W	-	1.0
NEMATODA	4713	184	0.25,SS	-	254.0
PARANAIS LITORALIS	26	1	0.25,SS	-	1.4
LIMNODRILUS HOFFMEISTERI	421	2	0.50,W	-	22.7
		15	0.25,SS	-	
ETEONE LONGA	19	1	0.50,W	-	1.0
NEREIS LIMNICOLA	70	1	0.50,W	-	3.8
		2	0.25,SS	-	
COROPHIUM SPINICORNE	367	6	0.50,W	-	19.8
		10	0.25,SS	-	
COROPHIUM SALMONIS	44	1	0.50,W	-	2.4
		1	0.25,SS	-	
COROPHIUM JUV.	74	4	0.50,W	-	4.0
ORABATEI SP. A	26	1	0.25,SS	-	1.4
HARPACTICOIDA 6	51	2	0.25,SS	-	2.8
HARPACTICOIDA 13	51	2	0.25,SS	-	2.8

STATION: 2108- 652
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: .7 LITERS

DATE: 13 DEC 1979 TIME (PST) 09:53
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 1.4 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
CORDYLOPHORA SP. A	19	1	0.50,W	-	1.0
NEMATODA	2266	103	0.25,SS	-	122.1
PARANAIS LITORALIS	85	1	0.50,W	-	4.6
		3	0.25,SS	-	
TUBIFICIDAE DAM. AND JUV.	220	10	0.25,SS	-	11.9
NEREIS LIMNICOLA	44	2	0.25,SS	-	2.4
COROPHIUM SPINICORNE	44	2	0.25,SS	-	2.4
EOGAMMARUS CONFERVICOLUS	22	1	0.25,SS	-	1.2
PARAPHOXUS MILLERI	22	1	0.25,SS	-	1.2
ORABATEI SP. A	22	1	0.25,SS	-	1.2
HARPACTICOIDA 3	66	3	0.25,SS	-	3.6

STATION: 2108- 9S1
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.1 LITERS

DATE: 14 DEC 1979 TIME (PST) 10:20
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 2.5 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	12022	81	0.25,SF	1/ 8	648.0
PARANAIS FRICI	19	1	0.25,W	-	1.0
PARANAIS LITORALIS	482	2	0.25,W	-	26.0
		3	0.25,SF	1/ 8	
AMPHICHAETA SANNIO	5937	40	0.25,SF	1/ 8	320.0
ETEONE LONGA	37	2	0.25,W	-	2.0
NEREIS LIMNICOLA	37	2	0.25,W	-	2.0
CAPITELLA CAPITATA	19	1	0.25,W	-	1.0
POLYDORA LIGNI	204	3	0.25,W	-	11.0
		1	0.25,SF	1/ 8	
AMPHICTEIS SPP.	37	2	0.25,W	-	2.0
COROPHIUM SALMONIS	37	2	0.25,W	-	2.0
EOGAMMARUS CONFERVICOLUS	19	1	0.25,W	-	1.0
CYCLOPOIDA (PELAGIC)	297	2	0.25,SF	1/ 8	16.0
HARPACTICOIDA 1	445	3	0.25,SF	1/ 8	24.0
HARPACTICOIDA 3	17365	117	0.25,SF	1/ 8	936.0
HARPACTICOIDA 7	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 13	297	2	0.25,SF	1/ 8	16.0

STATION: 21C8- 9S2
 LOCATION: STEVESTON HARBOUR
 VOLUME OF SAMPLE: 4.2 LITERS

DATE: 14 DEC 1979 TIME (PST) 10:30
 GRAB: .054 METRES **2 PONAR GRAB
 DEPTH BELOW CHART DATUM: 2.6 METRES

T A X O N	DENSITY (NO. PER M**2)	NUMBER COUNTED	SEIVE FRACTION	SPLIT	SAMPLE TOTAL
NEMATODA	21076	142	0.25,SF	1/ 8	1136.0
PARANAIS LITORALIS	798	3	0.25,W	-	43.0
		5	0.25,SF	1/ 8	
AMPHICHAETA SANNIO	3859	26	0.25,SF	1/ 8	208.0
LIMNODRILUS HOFFMEISTERI	74	4	0.25,W	-	4.0
ETEONE LONGA	37	2	0.25,W	-	2.0
POLYDORA LIGNI	241	13	0.25,W	-	13.0
MACOMA BALTHICA	19	1	0.25,W	-	1.0
MACOMA JUV.	167	1	0.25,W	-	9.0
		1	0.25,SF	1/ 8	
MYTILUS JUV.	297	2	0.25,SF	1/ 8	16.0
NEOMYSIS AWATSCHENSIS	19	1	0.25,W	-	1.0
COROPHIUM SALMONIS	612	1	0.25,W	-	33.0
		4	0.25,SF	1/ 8	
EOGAMMARUS CONFERVICOLUS	37	2	0.25,W	-	2.0
COROPHIUM JUV.	148	1	0.25,SF	1/ 8	8.0
ORABATEI SP. A	148	1	0.25,SF	1/ 8	8.0
CALANOIDA (PELAGIC)	148	1	0.25,SF	1/ 8	8.0
HARPACTICOIDA 3	16030	108	0.25,SF	1/ 8	864.0
HARPACTICOIDA 13	445	3	0.25,SF	1/ 8	24.0

Appendix C. Fish

Beach Seine Captures

Tables 1 - 21: Trips 1 - 21

February to December 1979

Table 1. Beach seine results, trip 1D1, 11 January 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
1	1645	starry flounder	2	155,192
		threespine stickleback	7	30,31,29,29, 29,22,26,31
2	1620	starry flounder	1	150
3	1600	threespine stickleback	1	29
4	1525	No captures	-	-
5	1455	threespine stickleback	1	34
		peamouth chub	1	50
6	1420	No captures	-	-

Table 2 . Beach seine results, trip 2D2, 9 February 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
1	1530	starry flounder	1	256
		peamouth chub	1	41
		threespine stickleback	2	36,33
		surf smelt	1	69
2	1500	starry flounder	1	185
		threespine stickleback	3	34,33,33
		surf smelt	18	65,47,50,57, 52,55,55,56, 58,62,57,57, 54,55,54,55, 49,50
3	1430	Dolly Varden	1	480
		starry flounder	3	222,224,204
		surf smelt	2	54,54
		threespine stickleback	3	34,34,31
4	1410	starry flounder	1	54
		surf smelt	1	57
5	1355	No captures	-	-
6	1330	starry flounder	3	135,59,53

Table 3. Beach seine results, trip 3D3, 23 February 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
1	1220	chum salmon (0+)	1	39
		starry flounder	2	138,156
		peamouth chub	1	44.
		surf smelt	55	60,70,61,54,58, 59,57,60,59,57, 60,59,61,56,60, 58,51,58,57,52,
2	1250	threespine stickleback	4	42,33,34,34
		surf smelt	58	75,58,57,56,61, 57,55,50,69,57, 54,75,58,56,48, 59,57,59,60
3	1325	No captures	-	-
4	1345	No captures	-	-
5	1355	surf smelt	1	62
6	1135	starry flounder	2	86,54
7	1200	No captures	-	-

Table 4. Beach seine results, trip 4D4, 9 March 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
1	1400	chum salmon (0+)	3	38,41,40
		starry flounder	1	255
		surf smelt	1	120
2	1430	chum salmon	19	41,40,41,42,41, 39,41,41,42,35, 40,40,43,39,39, 39,38,40,38
3	1500	chum salmon (0+)	24	40,37,41,45,40, 35,42,37,40,41, 44,43,42,39,40, 44,40,35,37
		starry flounder	2	245,250
		staghorn sculpin	1	45
		peamouth chub	1	24
		surf smelt	5	63,65,58,60,59
		threespine stickleback	3	34,31,29
4	1220	chum salmon (0+)	1	36
5	1235	starry flounder	1	109
6	1255	starry flounder	5	55,74,56,98,280
		threespine stickleback	1	26
7	1335	threespine stickleback	3	38,40,30

Table 5. Beach seine results, trip 5D5, 23 March 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
1	1200	chum salmon (0+)	57	41,44,42,43,43, 40,42,40,43,43, 49,37,43,39,42, 42,38,43,39
		chinook (0+)	1	40
		starry flounder	1	126
		surf smelt	7	53,55,51,56,56, 58,53
		threespine stickleback	1	34
2	1245	chum salmon (0+)	92	44,38,39,43,44, 43,43,35,47,43, 41,44,45,43,40, 39,42,39,40,43
		threespine stickleback	1	32
		surf smelt	2	70,71
3	1320	starry flounder	4	286,225,220,226
		threespine stickleback	1	35
		staghorn sculpin	1	35
4	1340	chum salmon (0+)	15	43,42,45,40,41, 40,43,40,41,39, 47,41,38,40,39
		staghorn sculpin	2	106,65
5	1400	starry flounder	1	158
		surf smelt	2	50,43
6	1110	starry flounder	2	63,70
		surf smelt	1	63
7	1130	starry flounder	4	151,97,58,62
		surf smelt	3	146,122,54

Table 6. Beach seine results, trip 6D6, 6 April 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
1	1245	chum salmon (0+)	6	41,37,41,41,42, 36
		chinook salmon(0+)	2	40,40
		threespine stickleback	1	66
		surf smelt	1	54
2	1320	chum salmon (0+)	1	37
		chinook salmon (0+)	1	45
		threespine stickleback	3	34,34,39
		starry flounder	1	232
3	1345	chum salmon (0+)	1	44
		chinook salmon (0+)	6	50,52,45,42,41, 42
		surf smelt	12	130,73,63,64, 60,57,64,59,59, 70,55,51
		starry flounder	11	200,215,225,270, 215,245,228,256, 226,220,219
4	1425	staghorn sculpin	1	40
		chum salmon (0+)	1	40
5	1443	surf smelt	12	55,48,57,49,46, 51,50,51,49,50, 52,48
		chum salmon (0+)	1	49
		surf smelt	12	55,61,57,59,58, 60,53,58,59,60, 57,57
5	1443	starry flounder	1	56
		surf smelt	12	55,61,57,59,58, 60,53,58,59,60, 57,57
6	1200	No captures	-	-

Table 6. continued

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
7	1220	chum salmon (0+)	1	38
		chinook salmon (0+)	2	39,44
		starry flounder	1	50

Table 7. Beach seine results, trip 707, April 23 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
1	1525	chum salmon (0+)	13	38,43,39,44,39, 40,39,39,37,39, 38,36,40
		chinook salmon (0+)	41	44,44,43,43,45, 43,41,47,44,42, 44,45,41,41,40, 42,42,42,41,40
		surf smelt	2	59,53
		threespine stickleback	1	34
		starry flounder	8	143,140,150,242, 240,248,160,133
		staghorn sculpin	4	130,120,17,18
2	1600	chum salmon (0+)	11	40,41,41,40,39, 41,41,39,44,39, 41
		chinook salmon (0+)	4	44,44,43,41
		chinook salmon (1+)	1	94
		threespine stickleback	4	38,36,54,36
		starry flounder	1	195
		peamouth chub	1	26
3	1630	chum salmon (0+)	68	41,39,42,40,40, 47,39,43,42,39, 40,40,39,44,40, 38,40,39,38,40,
		chinook salmon (0+)	4	41,39,39,38
		threespine stickleback	4	31,34,34,35
		surf smelt	7	56,52,51,51,53, 50,54
		peamouth chub	11	105,137,127,190, 298,126,214,217, 215,254,34
4	1715	chum salmon (0+)	15	44,43,39,40,38, 40,40,40,37,37, 35,37,37,34,41

Table 7. continued

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
4 cont'd.	1715	chinook salmon (1+)	1	98
		threespine stickleback	2	44,38
		pacific sand lance	1	90
		surf smelt	2	75,64
5	1346	starry flounder	1	59
6	1405	chum salmon (0+)	12	37,41,38,42,38, 39,42,40,38,36, 38,39
		chinook salmon (0+)	20	43,45,41,42,43, 44,37,42,42,45, 43,43,43,43,42, 47,40,42,45,43
		chinook salmon (1+)	1	128
		surf smelt	8	64,61,57,60,51, 54,46,45
		starry flounder	13	313,104,124,74, 62,67,69,89,82, 60,56,59,96
		staghorn sculpin	2	131,22
		pacific sand lance	1	83
		chum salmon (0+)	5	37,39,38,40,33
		chinook salmon (0+)	13	41,40,42,41,41, 44,42,43,45,44, 41,41,40
		chinook salmon (1+)	3	90,84,83
7	1455	threespine stickleback	4	60,44,35,34
		surf smelt	5	50,56,53,52,40
		eulachon	1	60
		snake prickleback	1	43
		staghorn sculpin	1	154

Table 8. Beach seine results, trip 8D8, 4 May 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
1	1125	chum salmon (0+)	3	39,37,37
		chinook salmon (0+)	106	50,40,39,44,43, 39,44,50,43,37, 41,40,38,39,40, 41,41,41,40,42
		chinook salmon (1+)	7	111,82,86,95,90, 85,91
		starry flounder	19	91,91,150,144, 91,85,94,81,108, 75,118,76,81,85, 80,99,120,103,94
		peamouth chub	35	71,72,58,75,69, 77,77,68,59,59, 58,59,64,61,62, 71,54,66,64,62
		staghorn sculpin	11	157,131,117,114, 118,110,109,101, 118,87,105
2	1215	chum salmon (0+)	11	40,44,41,39,47, 39,42,40,41,39, 40
		chinook salmon (0+)	246	42,40,42,42,46, 47,41,39,50,42, 44,43,42,42,44, 44,41,48,42,41
		chinook salmon (1+)	2	95,76
		starry flounder	9	170,145,117,102, 144,101,151,140, 91
		threespine stickleback	1	74
		staghorn sculpin	8	145,149,151,127, 127,142,125,114,
		prickly sculpin	8	111,118,120,113, 115,114,65,84
		peamouth chub	29	74,135,127,105, 117,135,98,142, 119,116,126,67, 71,103,68,132,107, 72,106,82

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Table 8. continued

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
3	1255	chum salmon (0+)	2	37,38
		chinook salmon (0+)	67	41,44,43,43,43, 43,42,42,43,42, 41,44,42,42,44, 41,43,42,38,42
		threespine stickleback	1	69
		eulachon	1	97
		starry flounder	19	190,187,153,99, 213,150,159,106, 147,159,120,195, 176,168,151,111, 102,134,106
		staghorn sculpin	1	154
		peamouth chub	15	244,235,191,125, 132,59,68,72, 76,65,75,78,72, 20,64
4	1325	chum salmon	5	40,42,40,42,40
		chinook salmon (0+)	105	42,40,47,56,45, 43,43,43,44,42, 42,40,48,42,44, 41,49,44,45,43
		chinook salmon (1+)	7	100,96,120,85, 109,110,75
		sockeye salmon (1+)	4	99,88,91,100
		starry flounder	109	227,213,166,178, 151,135,145,121, 158,136,129,191, 81,212,188,138, 106,94,182,95
		staghorn sculpin	11	189,133,134,197, 141,139,152,116, 129,137,109
		peamouth chub	3	236,221,140,
		Pacific herring	2	90,82
		Pacific tomcod	2	146,114
		eulachon	37	132,129,132,190, 130,78,118,114, 76,62,76,81,69, 69,79,115,82,63, 87,83

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Table 8. continued

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm		
5	0925	chum salmon (0+)	4	41,42,40,39		
		chinook salmon (0+)	46	74,75,44,43,44, 40,44,45,40,40, 41,44,40,41,43, 41,41,40,40,43		
		sockeye salmon (1+)	1	92		
		starry flounder	21	148,190,177,183, 170,138,204,211, 215,111,83,100, 103,210,89,115, 102,82,105,70		
		eulachon	35	88,89,81,70,69, 70,80,76,81,80, 70,76,70,74,80, 74,64,64,67,65		
		threespine stickleback	3	67,59,56		
		staghorn sculpin	2	132,64		
		prickly sculpin	1	150		
		peamouth chub	1	248		
		6	1010	chum salmon (0+)	4	47,38,70,42
				chinook salmon(0+)	66	39,41,42,43,45, 48,40,42,42,40, 43,39,41,44,40, 44,46,41,40
chinook salmon (1+)	7			89,98,82,84,85, 76,69		
sockeye salmon (1+)	1			89		
staghorn sculpin	11			111,164,127,133, 117,119,130,140, 104,54,60		
starry flounder	17			96,71,78,83,80, 64,81,98,72,68, 91,69,83,104, 85,59,83		
eulachon	28			153,77,136,70, 98,78,79,68,68, 74,77,65,74,67, 68,79,65,72,67, 54		
					...	

Table 8. continued

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
7	1100	chum salmon (0+)	2	40,38
		chinook salmon (0+)	20	43,41,41,39,40, 42,42,41,41,44, 44,42,41,40,41, 42,40,39,40,40
		chinook salmon (1+)	10	112,90,110,89, 83,86,94,75, 84,81
		threespine stickleback	9	58,60,70,64,66, 70,62,69,58
		staghorn sculpin	6	147,153,141,114, 122,71
		prickly sculpin	1	130
		starry flounder	25	86,72,86,64,74, 84,69,75,60,73, 64,68,64,64,61, 67,94,74,75,92
		crescent gunnel	1	90
		eulachon	9	115,70,67,84, 68,73,73,76,70

Table 9. Beach seine results, trip 9D9, 22 May 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
1	1425	chum salmon (0+)	2	42,39
		chinook salmon (0+)	83	49,41,42,44,41, 42,41,41,42,41, 43,43,43,41,42, 46,43,41,41,41
		starry flounder	35	117,96,115,95,94 87,91,71,100,85, 128,86,105,73, 58,112,96,98,100, 78
		prickly sculpin	1	128
		peamouth chub	8	181,230,226,133, 457,51,49 one escapee
2	1455	chinook salmon (0+)	11	53,45,40,42,41, 41,43,43,44,41, 40
		starry flounder	4	156,95,86,92
		prickly sculpin	1	115
		peamouth chub	19	261,240,216,183, 265,245,238,247, 176,207,212,170, 133,126,131,125, 120,111,66
3	1520	chum salmon (0+)	2	40,40
		chinook salmon (0+)	21	41,46,44,42,43, 47,43,43,41,44, 43,39,46,42,42, 42,41,43,41,43
		chinook salmon (1+)	1	83
		threespine stickleback	1	45
		starry flounder	4	180,110,97,107
		peamouth chub	20	210,225,247,235, 252,237,249,224, 220,209,264,225, 162,132,164,138, 72,61,64,31

Table 9. continued

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
3	1520	northern squawfish	1	301
4	1555	chinook salmon (0+)	12	40,44,42,41,42, 43,41,42,41,41, 41,41
		chinook salmon (1+)	1	87
		staghorn sculpin	1	146
		prickly sculpin	1	155
		starry flounder	81	172,146,131,160, 137,82,270,214, 160,132,112,114, 123,164,81,115, 115,89,85,100
		eulachon	18	90,85,85,85,85, 89,92,81,76,85, 77,80,94,84,75, 83,75,79
5	1240	chum salmon (0+)	2	43,38
		chinook salmon (0+)	43	41,51,43,41,42, 41,41,41,39,42, 41,42,43,40,42, 39,40
		chinook salmon (1+)	3	103,114,93
		sockeye salmon (1+)	1	103
		threespine stickleback	3	54,45,41
		starry flounder	24	128,227,225,205, 116,152,197,130, 103,104,156,175, 131,179,101,191, 73,127,202,97
		eulachon	33	190(spawned) 86,81,76,77,84, 80,81,86,78,90, 75,73,96,82,92, 75,90,89,78
6	1320	chum salmon (0+)	1	39
		chinook salmon (0+)	44	41,45,41,42,42, 44,40,40,42,39, 41,40,49,41,41, 42,41,42,41,40

Table 9. continued

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
6	1320	staghorn sculpin	75	larval forms
		starry flounder	7	67,70,96,80,80 68,75
		eulachon	70	larval forms
7	1350	chinook salmon (0+)	71	73,76,60,41,46, 42,40,44,45,41, 46,40,39,40,45, 40,46,40,41,44
		chinook salmon (1+)	7	110,90,101,81, 85,81,86
		threespine stickleback	1	68
		prickly sculpin	8	65,115,65,86,65, 178,159,67
		starry flounder	17	65,62,69,59,70, 67,59,81,70,95, 65,69,71,58,60, 64,67
		peamouth chub	2	74,67

Table 10. Beach seine results, trip 10D10, 4 June 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
1	1340	chinook salmon (0+)	4	30,44,44,57
		staghorn sculpin	2	42,39
		prickly sculpin	1	72
		peamouth chub	5	50,69,62,48, 64
2	1406	sockeye salmon (0+)	1	41
		chinook salmon	28	53,43,44,49,48, 44,51,44,46,39, 40,52,45,42,43, 44,45,50,44,52
		staghorn sculpin	68	34,37,40,34,39, 33,40,36,37,30, 43,35,39,37,35, 32,34,39,39,33,
		prickly sculpin	2	65,67
		peamouth chub	5	71,50,51,48, 68
		largescale sucker	1	43
		3	1437	chinook salmon (0+)
		threespine stickleback	1	50
		staghorn sculpin	3	51,32,33
		peamouth chub	6	161,81,68,58, 76,64
		largescale sucker	1	148
4	1510	sockeye salmon (0+)	2	28,42,
		chinook salmon (0+)	5	47,56,61,44,45
		staghorn sculpin	4	49,44,39,31
		prickly sculpin	1	57
		starry flounder	11	117,100,91,153, 128,149,65,96,99, 72,135
		eulachon	38	95,96,90,123,95, 88,88,86,86,90, 91,89,94,72, 104,85,86,98,89, 90

Table 10. continued

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
5	1156	chinook salmon (0+)	3	42,44,51
		staghorn sculpin	13	55,56,53,45,52, 34,46,53,44,50, 37,39,58
		prickly sculpin	1	69
		starry flounder	29	124,111,122,74 178,139,117,169, 136,118,88,98, 129,106,120,71, 107,102,101,29
		peamouth chub	5	273,108,95,75,76
		eulachon	12	87,95,95,103, 93,87,86,88,79, 92,92,81
		northern squawfish	1	95
		chinook salmon (0+)	9	53,44,50,54,52, 58,43,45,45
6	1238	chinook salmon (1+)	1	109
		starry flounder	4	138,121,65,50
		peamouth chub	2	164,81
		staghorn sculpin	1	41
		chinook salmon (0+)	3	49,48,40
7	1310	threespine stickleback	3	45,49,49
		staghorn sculpin	5	61,71,53,45,40
		prickly sculpin	7	71,77,61,65,61, 40,57
		peamouth chub	5	196,253,117,85, 93

Table 11. Beach seine results, trip 11D11, 18 June 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
1	1345	chum salmon (0+)	1	32
		chinook salmon (0+)	2	46,46
		prickly sculpin	1	68
2	1440	chinook salmon (0+)	5	43,46,47,47,45
		staghorn sculpin	7	54,52,44,36,37, 40,30
		prickly sculpin	6	77,70,80,70,58, 62
		starry flounder	1	80
		peamouth chub	26	140,165,80,62, 60,73,79,85,80, 66,54,63,81,82, 79,70,67,82,70, 72
3	1510	chinook salmon (0+)	6	60,53,58,58,49, 50
		staghorn sculpin	4	34,32,34,32
		prickly sculpin	1	148
		peamouth chub	2	67,86
		largescale sucker	1	500
		starry flounder	15	109,111,98,90, 105,147,35,35,44, 34,37,42,36,34, 34
4	1535	chum salmon (0+)	1	39
		chinook salmon (0+)	6	55,55,54,42,44, 41
		staghorn sculpin	9	47,54,44,52,41, 40,48,51,46
		eulachon	3	87,84,89
		peamouth chub	1	112
		starry flounder	5	106,97,69,75,30

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Table 11. continued

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
5	1230	chinook salmon (0+)	2	49,48
		staghorn sculpin	3	60,36,42
		prickly sculpin	4	46,59,48,45
		starry flounder	2	82,39
		peamouth chub	3	204,73,82
		eulachon	1	85
6	1255	chinook salmon (0+)	6	66,60,61,49,50, 49
		staghorn sculpin	1	237
		prickly sculpin	1	84
		starry flounder	4	90,65,54,54
7	1320	chinook salmon (0+)	2	44,50
		staghorn sculpin	5	70,64,61,42,44
		prickly sculpin	3	160,71,72
		peamouth chub	2	172,60
		starry flounder	1	31

Table 12. Beach seine results, trip 12D12, 3 July 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
1	1246	prickly sculpin	1	62
		starry flounder	8	35,35,34,35,30, 40,32,27
2	1300	chinook salmon (0+)	1	54
		staghorn sculpin	15	66,50,49,53,42, 49,48,54,41,39, 40,55,40,41,50
		prickly sculpin	4	57,60,68,51
		peamouth chub	50	67,62,55,78,64, 56,69,57,97,65, 90,63,60,65,67, 68,73,72,73,56
3	1325	staghorn sculpin	1	45
		starry flounder	1	42
		peamouth chub	2	87,20
		largescale sucker	1	37
4	1354	chinook salmon (0+)	1	58
		sockeye salmon (0+)	6	49,45,47,45, 47,50
		staghorn sculpin	6	70,51,61,93,47, 60
		prickly sculpin	2	62,37
		starry flounder	5	97,103,54,102, 110
		peamouth chub	5	200,68,75,82,93
5	1130	chinook salmon (0+)	11	62,59,58,50,56, 56,55,49,50,52, 51
		threespine stickleback	1	25
		staghorn sculpin	5	58,47,37,43,40
		starry flounder	6	116,57,50,52, 42,38
		peamouth chub	1	69

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Table 12. continued

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
6	1155	chinook salmon (0+)	2	67,50
		chinook salmon (1+)	1	87
		staghorn sculpin	4	75,52,72,50
		starry flounder	4	45,54,53,33
		peamouth chub	1	21
7	1220	chinook salmon (0+)	2	69,55
		sockeye salmon	2	51,48
		threespine stickleback	1	21
		staghorn sculpin	6	76,50,54,67,71, 55
		prickly sculpin	5	57,52,43,44,79
		starry flounder	8	112,72,54,33, 20,24,24,26
		peamouth chub	5	242,125,111,87, 72

Table 13. Beach seine results, trip 13D13, 16 July 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
1	1015	peamouth chub	2	245,20
		starry flounder	14	94,38,35,37,42, 34,39,37,40,32, 42,33,43,26
2	1030	peamouth chub	12	69,90,110,60, 79,58,62,66,79, 70,114,24
		threespine stickleback	1	12
		starry flounder	4	63,50,55,52
		prickly sculpin	8	86,82,67,52,67, 68,55,58
		staghorn sculpin	4	52,57,41,56
		largescale sucker	3	434,434,390
3	1105	chinook salmon(0+)	4	68,71,62,60
		peamouth chub	3	228,224,272
		starry flounder	4	47,36,40,40
		largescale sucker	2	432,170
4	1130	chinook salmon(0+)	1	66
		peamouth chub	6	78,83,80,83,73, 79
		starry flounder	7	180,94,45,79,50, 51,36
		threespine stickleback	2	55,64
		staghorn sculpin	8	62,54,62,60,57 65,50,57
		larval herring	1	30
5	0900	chinook salmon(0+)	3	78,70,60
		peamouth chub	12	100,94,86,88,85, 87,28,20,20,25, 20,23

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Table 13. continued.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
5 cont'd.	0900	starry flounder	17	245,228,101,116, 102,86,100,134, 48,85,52,44,57, 47,31,55,57
		staghorn sculpin	17	81,85,62,58,62, 67,64,75,62,57, 66,72,51,75,52, 44,47
		prickly sculpin	1	69
		northern squawfish	2	123,120
6	0930	chinook salmon (0+)	4	89,67,69,60
		starry flounder	11	80,55,39,60,42, 67,57,46,48,46, 51
		staghorn sculpin	5	74,52,67,61,64
7	0950	chinook salmon (0+)	1	48
		peamouth chub	17	222,131,103,99,95, 120,88,82,72,65, 62,58,39,22,20, 22,18
		starry flounder	6	77,53,46,19,25, 24
		prickly sculpin	4	95,76,81,65
		staghorn sculpin	1	50
		threespine stickleback	1	26

Table 14. Beach seine results, trip 14D14, 31 July 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm		
1	1015	sockeye salmon (0+)	1	54		
		peamouth chub	34	268,144,126,89, 77,87,78,81,78, 38,41,37,39,32, 38,30,22,21,31, 21		
		starry flounder	28	43,102,98,88,54, 58,44,61,59,99,52, 51,54,42,41,49, 51,50,46,45		
		staghorn sculpin	1	90		
		redside shiner	2	65,60		
		largescale sucker	1	123		
		2	1040	peamouth chub	3	186,32,16
2	1040	starry flounder	4	150,101,108,51		
		staghorn sculpin	1	56		
		prickly sculpin	1	101		
		threespine stickleback	1	18		
		3	1055	peamouth chub	2	28,35
3	1055	starry flounder	10	98,116,56,58,51, 57,50,56,61,59		
		staghorn sculpin	1	68		
		threespine stickleback	1	21		
		largescale sucker	2	308,125		
		4	1115	sockeye salmon (0+)	2	75,60
4	1115	peamouth chub	4	81,72,31,21		
		5	0900	peamouth chub	2	232,195
5	0900	starry flounder	2	198,61		
		staghorn sculpin	8	76,69,69,76,68, 68,59,57		
		prickly sculpin	1	161		
		threespine stickleback	4	24,25,25,26		
		shiner perch	1	64		
					

Table 14. continued

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
5 cont'd.	0900	Pacific herring	1	31
		largescale sucker	1	59
6	0920	peamouth chub	5	240,102,78,97, 98
		starry flounder	1	50
		threespine stickleback	2	19,18
		staghorn sculpin	1	70
		Dolly Varden	1	270
7	0950	chinook salmon (0+)	1	69
		peamouth chub	48	138,78,81,108,86, 38,111,94,101,86, 46,32,43,36,30,42, 39,37,29,31
		starry flounder	8	51,54,48,41,30, 30,37,43
		threespine stickleback	18	23,22,26,23,19, 23,24,21,21,28, 32,14,27,27,23, 20,30,27
		staghorn sculpin	4	102,81,71,77
		eulachon	1	35

Table 15. Beach seine results, trip 15D15, 14 August 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
1	1030	peamouth chub	22	55,50,42,53,50, 48,52,45,45,32, 43,34,44,42,43, 38,38,36,41,34
		starry flounder	2	70,55
		threespine stickleback	1	16
		eulachon	2	35,35
		northern squawfish	1	97
2	1045	peamouth chub	6	220,86,80,46,45, 50
		starry flounder	5	74,114,115,69,66
		staghorn sculpin	6	110,86,95,82,112, 96
		prickly sculpin	1	67
		threespine stickleback	1	25
		shiner perch	23	68,66,65,59,57, 50,59,64,61,68, 68,67,72,74,71, 74,60,67,69,63
		largescale sucker	4	400,280,260,60
		northern squawfish	3	158,69,96
3	1115	Pacific herring	1	42
		peamouth chub	20	285,223,220,226, 188,250,200,194, 204,212,213,214, 242,220,268,57, 41,37,38,19
4	1130	starry flounder	5	67,64,60,71,92
		starry flounder	12	135,215,190,174, 96,111,61,60,52, 47
		staghorn sculpin	5	92,74,77,87,60
		steelhead trout	1	325
				. . .

Table 15. continued

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
5	0925	starry flounder	1	72
		shiner perch	1	78
6	0940	chinook salmon (1+)	1	97
		peamouth chub	11	92,84,144,117,96, 90,87,93,78,88, 88
		starry flounder	5	53,48,48,35,36
		staghorn sculpin	3	64,68,85
		threespine stickleback	18	34,19,23,19,22,24, 22,21,21,25,15,17, 25,21,17,18,16,18
7	1005	chinook salmon (1+)	1	89
		peamouth chub	23	144,143,115,116, 119,96,83,89,82, 84,80,95,77,94, 80,84,92,50,40, 45
		starry flounder	4	75,56,63,61
		staghorn sculpin	4	82,78,77,63

Table 16. Beach seine results, trip 16D16, 29 August 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
1	1005	peamouth chub	15	58,54,56,49,60, 55,62,52,59,46, 60,57,55,49,50
		starry flounder	6	105,62,66,63, 62,59
		threespine stickleback	3	34,37,32
		shiner perch	1	75
2	1025	peamouth chub	47	60,54,50,53,56, 48,66,65,60,61, 272,230,210,184, 99,103,87,58,59, 51
		starry flounder	15	118,74,87,118, 115,122,83,70,72, 75,73,74,75,64, 68
		staghorn sculpin	1	91
		threespine stickleback	2	20,22
		shiner perch	12	80,79,92,73,79 65,69,74,72,76, 75,70
		Pacific herring	10	47,41,38,40,44, 41,40,38,46,42
		largescale sucker	1	457
3	1045	peamouth chub	3	58,56,49.
		starry flounder	1	78
		Pacific herring	4	50,43,41,45
		largescale sucker	3	410,390,385
		northern squawfish	1	192
4	1100	chinook salmon (1+)	2	96,111
		chinook salmon (adult)	1	550
		peamouth chub	8	94,97,83,90,52, 53,50,52

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Table 16. continued

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
4 cont'd.	1100	starry flounder	17	196,127,101,116, 127,152,162,59, 56,61,67,77,64 61,56,66,65
		staghorn sculpin	7	99,87,89,93,88, 85,68
		prickly sculpin	2	75,70
		shiner perch	10	80,71,75,70,72, 75,83,79,63,66
		eulachon	4	36,40,37,37
5	0855	peamouth chub	19	258,225,220,210, 225,225,166,148, 125,117,97,100, 97,84,59,60,96, 82,50
		starry flounder	5	219,75,68,71,72
		staghorn sculpin	11	67,105,98,74,82, 90,66,68,72,85, 75
		shiner perch	17	76,76,72,79,79, 75,73,80,70,75, 74,76,75,76,70, 77,76
		eulachon	1	42
		largescale sucker	1	291
		northern squawfish	2	355,292
6	0920	permouth chub	11	144,98,107,102, 94,101,98,95,60, 45,53
		staghorn sculpin	1	60
		northern squawfish	1	152
7	0940	permouth chub	13	98,103,96,95,110, 93,96,114,98,90, 70,54,57
		starry flounder	1	100
		shiner perch	3	65,80,79
		eulachon	5	37,40,57,38,39

Table 17. Beach seine results, trip 17D17, 14 September 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
1	1310	peamouth chub	4	205,128,117,114
		starry flounder	2	63,65
		redside shiner	1	109
		shiner perch	3	76,80,75
		threespine stickleback	1	30
		largescale sucker	2	388,164
2	1326	peramouth chub	1	61
		starry flounder	1	82
		shiner perch	5	78,82,75,84,79
		Pacific herring	1	60
		eulachon	4	40,41,40,37
		surf smelt	1	45
3	1342	starry flounder	2	80,65
		shiner perch	1	74
		largescale sucker	1	416
4	1400	chinook salmon (adult)	1	All adult salmon
		pink salmon (adult)	6	between 350-400
		peamouth chub	9	74,65,64,69, 55,62,58,62, 80
		starry flounder	17	186,122,85,76, 80,78,62,70,62, 77,60,57,60,65, 60,56,69
		staghorn sculpin	1	119
		river lamprey	1	260
5	1200	peamouth chub	4	132,140,74,95
		starry flounder	18	144,192,76,85,86, 67,74,70,72,64, 63,60,66,46,57, 58,70,58

. . . .

Table 17. continued

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm	
5 cont'd.	1200	staghorn sculpin	1	62	
		shiner perch	2	79,79	
		eulachon	4	42,43,39,42	
		northern squawfish	1	352	
6	1220	chinook salmon (adult)	3	all adult salmon were about 600 mm*	
		pink salmon (adult)	57		
		sockeye or chum salmon (adult)	2		
		peamouth chub	1		10
		largescale sucker	1		380
7	1240	chum salmon (adult)	1	700	
		peamouth chub	3	85,96,105	
		starry flounder	19	83,92,87,73, 56,70,71,56, 60,60,60,65, 66,55,58,69, 63,64,67	
		staghorn sculpin	1	130	
		threespine stickleback	2	31,30	

* An entire school of adult salmon was captured during this haul making it virtually impossible to measure or identify accurately.

Table 18. Beach seine results, trip 18D18, 28 September 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
1	1026	starry flounder	1	69
		shiner perch	1	80
		threespine stickleback	118	37,40,31,37,35, 34,35,29,34,35, 30,28,26,29,27, 31,35,38,33,26
		eulachon	1	50
		largescale sucker	1	396
2	1046	peamouth chub	7	113,128,68,70, 67,71,77
		starry flounder	2	89,75
		staghorn sculpin	2	126,102
		shiner perch	5	72,74,80,79,78
3	1102	shiner perch	2	78,80
		largescale sucker	1	435
4	1122	starry flounder	7	97,68,66,66, 50,55,72
		staghorn sculpin	2	90,82
		Pacific sand lance	2	80,80
5	0920	starry flounder	18	232,205,99,80, 69,80,72,82,69, 91,68,71,66,67, 67,73,64,65
		staghorn sculpin	5	108,113,90,89, 68
		shiner perch	1	68
		Pacific sand lance	36	96,89,86,83,85, 97,106,95,94,92, 81,107,81,94, 104,92,100,93,97, 86
6	0945	starry flounder	2	83,240
		shiner perch	2	87,78
		staghorn sculpin	1	74

Table 18. continued.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
7	1004	starry flounder	12	82,75,61,74,66, 64,85,75,73,66, 67,57
		staghorn sculpin	2	94,82
		threespine stickleback	3	39,29,26

Table 19. Beach seine results, trip 19D19, 26 October 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
1	1010	Dolly Varden	1	355
2	1025	starry flounder	2	170,223
		staghorn sculpin	1	90
3	1040	starry flounder	2	115,74
		shiner perch	3	82,80,80
		Pacific herring	9	82,78,89,80, 84,80,77,75, 75
4	1055	chinook salmon (1+)	3	162,170,155
		eulachon	1	52
5	0905	chinook salmon (adult)	1	460
		peamouth chub	1	33
		starry flounder	3	125,83,172
		threespine stickleback	35	38,29,47,37,36, 40,33,35,37,34, 35,35,39,34,31, 39,36,32,38,29
		eulachon	2	62,34
		Pacific herring	7	89,85,82,80,85, 83,80
		surf smelt	2	145,134
6	0925	starry flounder	1	77
		threespine stickleback	9	36,35,31,40,31, 34,30,29,26
		eulachon	1	52
		Pacific sand lance	1	73
7	0955	starry flounder	1	71
		surf smelt	4	133,132,128,139

Table 20. Beach seine, results, trip 20D20, 16 November 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
1	1500	starry flounder	7	194,235,169, 274,166,193, 135
		threespine stickleback	4	21,35,36,31
2	1522	starry flounder	3	247,237,164
		staghorn sculpin	1	250
3	1536	starry flounder	1	74
4	1550	starry flounder	7	190,117,90,70, 54,63,63
		threespine stickleback	1	22
		Pacific sand lance	1	78
5	1335	chum salmon (adult)	1	560
		starry flounder	7	259,115,73,85, 67,63,80
6	1410	starry flounder	4	257,68,75
		threespine stickleback	1	29
7	1430	Dolly Varden	1	430
		starry flounder	3	60,95,71

Table 21. Beach seine results, trip 21D21, 13 December 1979.

STATION	TIME PST	COMMON NAME	NUMBER	LENGTHS mm
1	1220	starry flounder	1	196
		Pacific sand lance	1	74
		surf smelt	1	53
		threespine stickleback	4	36,33,35,33
2	1200	starry flounder	2	224,197
3	1145	starry flounder	1	204
		Pacific sand lance	1	76
4	1125	starry flounder	3	220,223,150
		staghorn sculpin	2	90,87
		threespine stickleback	3	26,30,24
		surf smelt	3	57,57,58
		eulachon	1	40
5	1100	starry flounder	2	72,69
		staghorn sculpin	7	114,110,98,101, 129,106,95
		Pacific sand lance	2	90,91
		threespine stickleback	2	20,20
		Pacific herring	1	80
6	1300	starry flounder	2	83,214
		staghorn sculpin	2	102,102
		threespine stickleback	1	36
		surf smelt	2	54,49
		eulachon	2	62,42
		Pacific herring	1	94
7	1240	starry flounder	3	214,164,121
		staghorn sculpin	1	116
		threespine stickleback	4	40,33,40,38
		surf smelt	1	59
		eulachon	3	57,46,42.

Stomach Contents of Juvenile Salmon

Trips 3 - 16: February to August 1979

Tables 1 - 7: Underyearling (0+) Chum

Tables 8 - 14: Underyearling (0+) Chinook

Tables 15 - 21: Yearling (1+) Chinook

Notes concerning Tables 1 - 21.

Stomach fullness: From left to right the numbers between colons represent the following fullness categories;

Empty: Moderately Empty: Moderate: Full

Alevins: From left to right, alevins are demarcated by their presence or absence and whether they are feeding or not feeding.

TABLE 1. Stomach contents of underyearling (0+) chum salmon sampled from Station 1, trips 3 to 16.

Trip:	3D3	4D4	5D5	6D6	7D7	8D8	9D9	10D10	11D11	12D12	13D13	14D14	15D15	16D16
Date: DAY/MONTH/79	23/2	09/3	23/3	06/4	23/4	04/5	22/5	04/6	18/6	03/7	16/7	31/7	14/8	29/8
Time sampled: PST	1220	1400	1200	1245	1525	1125	1425	1340	1345	1246	1015	1015	1030	1005
Time of high water:	1340	1400	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000
No. of stomachs:	1	3	19	6	13	3	2	No captures	1	No captures	No captures	No captures	No captures	No captures
Fullness:	0:0:1:0	0:0:1:2	0:0:2:17	0:0:2:4	2:0:6:5	3:0:0:0	0:0:0:2		0:0:0:1					
Alevins:	-	+,F	+,F	+,F	+,F	+,NF	-							
PREY ITEM														
Nematoda														
<i>Paranaïs litoralis</i>							1							
<i>Specaria fraseri</i>														
Cladocera				2	3									
Harpacticoida	3		1	2	74									
Calanoida														
<i>Neomysis</i>														
Mysidacea dam														
<i>Cumella</i>					1									
<i>Lamprops</i>														
<i>Gnoriomphaeroma</i>														
<i>Corophium</i>		1												
<i>Paraphoxus</i>														
<i>Eogammarus</i>														
Gammarid juv														
Acari (a)														
Araneidae (a)							2							
Collembola														
Trichoptera (l)														
Odonata (a,n)														
Ephemeroptera (a,n)														
Plecoptera (a,n)					0 1		2 0							
Coleoptera (a)														
Hymenoptera (a)														
Hemiptera (a,l)														
Cicadellidae (a)														
Cercopidae (a)														
Psyllidae (a)							1							
Aphidae (a)														
Cecidomyiidae (a)					1		1							
Tipulidae (l,a)														
Heleidae (l)														
Chironomidae (a,p,l)	0 0 9	0 27 9	18 57 5	46 25 24	22 16 3		25 11 0		0 2 2					
Cyclorhapha (a)					1		2							
Diptera (l,p)														
Lepidoptera (a)														
Osmeridae														
Cottidae														
Salmonidae														
Peamouth chub				3										
Other unident. fish														
Total Individuals:	12	37	81	102	122	1	44		4					
No. of taxa:	2	2	2	4	7	1	6		1					

TABLE 2. Stomach contents of underyearling (0+) chum salmon sampled from Station 2, trips 3 to 16.

Trip:	303	404	505	606	707	808	909	10010	11011	12012	13013	14014	15015	16016
Date: DAY/MONTH/79	23/2	9/3	23/3	6/4	23/4	4/5	22/5	4/6	18/6	3/7	16/7	31/7	14/8	29/8
Time sampled: PST	1250	1430	1245	1320	1600	1215	1455	1406	1440	1300	1030	1040	1045	1025
Time of high water:	1340	1400	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000
No. of stomachs:	No	20	20	1	11	11	No	No	No	No	No	No	No	No
Fullness:	captures	2:0:2:16	0:0:6:14	0:0:1:0	0:0:3:8	4:0:3:4	captures	captures	captures	captures	captures	captures	captures	captures
Alevins:		+,F	+,F	+,F	+,F	+,F								
PREY ITEM														
Nematoda														
<i>Paranais litoralis</i>			141		318	193								
<i>Specaria fraseri</i>					94									
Cladocera						2								
Harpacticoida			50	1	572	50								
Calanoida														
Neomysis														
Mysidacea dam														
<i>Camella</i>					6									
<i>Lamprops</i>														
<i>Gnolimnospira</i>														
<i>Corophium</i>														
<i>Paraphoxus</i>														
<i>Ecqamirus</i>					2									
Gammarid juv					1									
Acari (a)														
Araneidae (a)						1								
Collembola					1									
Trichoptera (l)														
Odonata (a,n)														
Ephemeroptera (a,n)														
Plecoptera (a,n)		0	1											
Coleoptera (a)														
Hymenoptera (a)														
Hemiptera (a,l)														
Cicadellidae (a)														
Cercopidae (a)														
Psyllidae (a)														
Aphidae (a)														
Cecidomyiidae (a)														
Tipulidae (l,a)														
Heleidae (l)														
Chironomidae (a,p,l)		26 60 8	9 81 3	1 4 0	23 18 5	2 3 3								
Cyclorhapha (a)														
Diptera (l,p)														
Lepidoptera (a)														
Osmeridae														
Cottidae														
Salmonidae														
Peanmouth chub														
Other unident. fish														
Total Individuals:		97	284	6	1040	254								
No. of taxa:		2	3	2	7	5								

TABLE 3. Stomach contents of underyearling (0+) chum salmon samples from Station 3, trip 3 to 16.

Trip:	3D3	4D4	5D5	6D6	7D7	8D8	9D9	10D10	11D11	12D12	13D13	14D14	15D15	15D16
Date: DAY/MONTH/79	23/2	9/3	23/3	6/4	23/4	4/5	22/5	4/5	18/6	3/7	16/7	31/7	14/8	29/8
Time sampled: PST	1325	1500	1320	1345	1630	1255	1520	1437	1510	1325	1105	1055	1115	1045
Time of high water:	1340	1400	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000
No. of stomachs:	No	19	No	6	20	2	2	No	No	No	No	No	No	No
Fullness:	captures	1:0:1:17	captures	0:0:3:3	0:0:11:9	0:0:0:2	0:0:1:1	captures	captures	captures	captures	captures	captures	captures
Alevins:		+,F			+,F	+,F								
PREY ITEM														
Nematoda					100	44								
<i>Paranis litoralis</i>														
<i>Spearia fraseri</i>					1	7								
Cladocera		1												
Harpacticoida		2		46	8521	321								
Calanoida														
<i>Neomysis</i>														
Mysidacea dam				5										
<i>Cumella</i>				1	5									
<i>Lamprops</i>														
<i>Gnathimosphaeroma</i>														
<i>Corophium</i>														
<i>Paraphoxus</i>														
<i>Eogammarus</i>		1			7		2							
Gammarid juv														
Acari (a)														
Araneidae (a)														
Collembola														
Trichoptera (l)														
Odonata (a,n)														
Ephemeroptera (a,n)														
Plecoptera (a,n)														
Coleoptera (a)														
Hymenoptera (a)				1										
Hemiptera (a,l)														
Cicadellidae (a)														
Cercopidae (a)														
Psyllidae (a)														
Aphidae (a)														
Cecidomyiidae (a)														
Tipulidae (l,a)														
Heleidae (l)														
Chironomidae (a,p,l)		9 45 48		72 20 2	24 39 0	0 0 5	9 13 0							
Cyclorhapha (a)														
Diptera (l,p)														
Lepidoptera (a)														
Osmeridae														
Cottidae														
Salmonidae														
Peamouth chub														
Eulachon							13							
Other unident. fish														
Total Individuals:		106		147	8697	377	37							
No. of taxa:		4		5	6	4	3							

TABLE 4. Stomach contents of underyearling (0+) chum sampled from Station 4, trips 3 to 16.

Trip:	303	404	505	606	707	808	909	10010	11011	12012	13013	14014	15015	16016
Date: DAY/MONTH/79	23/2	9/3	23/3	6/4	23/4	4/5	22/5	4/6	18/06	3/7	16/7	31/7	14/8	29/8
Time sampled: PST	1345	1220	1340	1425	1715	1325	1555	1510	1535	1354	1130	1115	1130	1100
Time of high water:	1340	1400	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000
No. of stomachs:	No	No	15	1	15	5	No	No	1	No	No	No	No	No
Fullness:	captures	captures	0:0:6:9	0:0:1:0	3:0:6:6	0:4:1:0	captures	captures	0:0:1:0	captures	captures	captures	captures	captures
Alevins:			+,F	-	+,NF	+,F			+,F					
PREY ITEM														
Nematoda														
<i>Paranis litoralis</i>														
<i>Specaria fruseri</i>														
Cladocera						8								
Harpacticoida			4	2		6								
Calanoida														
<i>Neomysis</i>														
Mysidacea dam									1					
<i>Cumella</i>			13		34									
<i>Lamprops</i>														
<i>Gnolimnospaerona</i>														
<i>Corophium</i>					2									
<i>Paraphoxus</i>														
<i>Eogammarus</i>					9									
Gammarid juv			1											
Acari (a)														
Araneidae (a)														
Collembola														
Trichoptera (l)														
Odonata (a,n)														
Ephemeroptera (a,n)														
Plecoptera (a,n)			0	1										
Coleoptera (a)														
Hymenoptera (a)														
Hemiptera (a,l)														
Cicadellidae (a)														
Cercopidae (a)														
Psyllidae (a)														
Aphidae (a)														
Cecidomyiidae (a)														
Tipulidae (l,a)														
Heleidae (l)														
Chironomidae (a,p,l)			1 0 0	3 18 0		1 2 0			3 0 0					
Cyclorhapha (a)			1											
Diptera (l,p)														
Lepidoptera (a)														
Osmeridae														
Cottidae														
Salmonidae														
Peamouth chub														
Other unident. fish														
Total Individuals:			21	52	45	17			4					
No. of taxa:			6	2	3	3			2					

TABLE 5. Stomach contents of underyearling (0+) chum salmon sampled from Station 5, trips 3 to 16.

Trip:	303	404	505	606	707	808	909	10010	11011	12012	13013	14014	15015	16016
Date: DAY/MONTH/79	23/2	9/3	23/3	6/4	23/4	4/5	22/5	4/6	18/6	3/7	16/7	31/7	14/8	29/8
Time sampled: PST	1355	1235	1400	1443	1346	0925	1240	1156	1230	1130	0900	0900	0925	0855
Time of high water:	1340	1400	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000
No. of stomachs:	No	No	No	1	No	4	2	No	No	No	No	No	No	No
Fullness:	captures	captures	captures	0:0:1:0	captures	1:1:2:0	0:0:0:2	captures	captures	captures	captures	captures	captures	captures
Allevins:				-		+,F	-							
PREY ITEM														
Nematoda														
<i>Larania litoralis</i>														
<i>Specaria fraseri</i>														
Cladocera				4		37								
Harpacticoida						6								
Calanoida														
Neomysis														
Mysidacea dam														
<i>Cumella</i>				7										
<i>Lamprops</i>														
<i>Gnathimosphæroma</i>														
<i>Corophium</i>														
<i>Paraphoxus</i>														
<i>Eoganarus</i>														
Gammarid juv							1							
Acari (a)														
Araneidae (a)														
Collembola														
Trichoptera (l)														
Odonata (a,n)														
Ephemeroptera (a,n)														
Plecoptera (a,n)							0	1						
Coleoptera (a)							1							
Hymenoptera (a)														
Hemiptera (a,l)														
Cicadellidae (a)														
Cercopidae (a)				1										
Psyllidae (a)														
Aphidae (a)														
Cecidomyiidae (a)														
Tipulidae (l,a)														
Heleidae (l)														
Chironomidae (a,p,l)				4	2	0	0	0	1	9	0	1		
Cyclorhapha (a)														
Diptera (l,p)														
Lepidoptera (a)														
Osmeridae														
Cottidae														
Salmonidae														
Peamouth chub				1			2							
Other unident. fish														
Total Individuals:				19		45	14							
No. of taxa:				5		4	4							

TABLE 6. Stomach contents of underyearling (0+) chum salmon sampled from Station 6, trips 3 to 16.

Trip:	303	404	505	606	707	808	909	10010	11011	12012	13013	14014	15015	16016
Date: DAY/MONTH/79	23/2	9/3	23/3	6/4	23/4	4/5	22/5	4/6	18/6	3/7	16/7	31/7	14/8	29/8
Time sampled: PST	1420	1255	1110	1200	1405	1010	1320	1238	1255	1155	0930	0920	0940	0920
Time of high water:	1340	1400	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000
No. of stomachs:	No	No	No	No	12	No	1	No	No	No	No	No	No	No
Fullness:	captures	captures	captures	Captures	7:0:1:4	captures	0:0:0:1	captures	Captures	Captures	captures	Captures	captures	captures
Alevins:					+,NF		-							
PREY ITEM														
Nematoda														
<i>Paranais litoralis</i>														
<i>Specaria fraseri</i>														
Cladocera														
Harpacticoida					9									
Calanoida														
Neomysis														
Mysidacea dam														
<i>Cunella</i>					14									
<i>Lamprops</i>														
<i>Gnoringosphaeroma</i>														
<i>Corophium</i>														
<i>Paraphoxus</i>														
<i>Eopannarus</i>														
Gammarid juv					1									
Acarid (a)														
Araneidae (a)														
Collembola														
Trichoptera (l)														
Odonata (a,n)														
Ephemeroptera (a,n)														
Plecoptera (a,n)					0	1		6	0	0				
Coleoptera (a)														
Hymenoptera (a)														
Hemiptera (a,l)														
Cicadellidae (a)														
Cercopidae (a)									1					
Psyllidae (a)									1					
Aphidae (a)														
Cecidomyiidae (a)														
Tipulidae (l,a)														
Heleidae (l)														
Chironomidae (a,p,l)					10	14	0							
Cyclorhapha (a)														
Diptera (l,p)														
Lepidoptera (a)														
Osmeridae														
Cottidae														
Salmonidae														
Peanmouth chub														
Other unident. fish					1			43						
Total Individuals:					50			51						
No. of taxa:					5			4						

TABLE 7. Stomach contents of underyearling (0+) chum salmon sampled from Station 7, trips 3 to 16.

Trip:	303	404	505	606	707	808	909	10010	11011	12012	13013	14014	15015	16016
Date: DAY/MONTH/79	23/2	9/3	23/3	6/4	23/4	4/5	22/5	4/6	18/6	3/7	16/7	31/7	14/8	29/8
Time sampled: PST	1200	1335	1130	1220	1455	1100	1350	1310	1320	1220	0950	0950	1005	0940
Time of high water:	1340	1400	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000
No. of stomachs:	No	No	No	1	5	2	No	No	No	No	No	No	No	No
Fullness:	Captures	Captures	Captures	0:0:1:0	1:0:2:2	0:2:0:0	Captures	Captures	Captures	Captures	Captures	Captures	Captures	Captures
Alevins:				-	-	+ , F								
PREY ITEM														
Nematoda														
<i>Paranaic litoralis</i>														
<i>Specaria fraseri</i>														
Cladocera														
Harpacticoida					5									
Calanoida					1									
Neomysis														
Mysidacea dam														
<i>Cumella</i>					1									
Lamprops														
<i>Gnoriomphaeroma</i>														
<i>Corophium</i>														
<i>Paraphoxus</i>														
<i>Eogammarus</i>														
Gammarid juv														
Acari (a)														
Araneidae (a)					1									
Collembola														
Trichoptera (l)														
Odonata (a,n)														
Ephemeroptera (a,n)														
Plecoptera (a,n)														
Coleoptera (a)														
Hymenoptera (a)														
Hemiptera (a,l)														
Cicadellidae (a)														
Cercopidae (a)														
Psyllidae (a)														
Aphidae (a)														
Cecidomyiidae (a)														
Tipulidae (l,a)														
Heleidae (l)														
Chironomidae (a,p,l)				1	2	0	8	17	0	0	0	5		
Cyclorhapha (a)														
Diptera (l,p)														
Lepidoptera (a)														
Osmeridae														
Cottidae														
Salmonidae														
Peamouth chub														
Other unident. fish														
Total Individuals:				3	33	5								
No. of taxa:				1	5	1								

TABLE 8. Stomach contents of underyearling (0+) chinook salmon sampled from Station 1, trips 3 to 16.

Trip:	3D3	4D4	5D5	6D6	7D7	8D8	9D9	10D10	11D11	12D12	13D13	14D14	15D15	16D16		
Date: DAY/MONTH/79	23/2	9/3	23/3	6/4	23/4	4/5	22/5	4/6	18/6	3/7	16/7	31/7	14/8	29/8		
Time sampled: PST	1220	1400	1200	1245	1525	1125	1425	1340	1345	1246	1015	1015	1030	1005		
Time of high water:	1340	1400	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000		
No. of stomachs:	No	No	1	2	20	21	22	3	1	No	No	No	No	No		
Fullness:	captures	captures	0:0:1:0	0:0:1:1	4:0:10:6	10:3:3:5	0:0:2:20	0:0:1:2	1:0:0:0	captures	captures	captures	captures	captures		
Alevins:			-	-	-	-	-	-	-							
PREY ITEM																
Nematoda						6										
<i>Paranais litoralis</i>																
<i>Specaria fraseri</i>																
Cladocera					15											
Harpacticoida					44	2										
Calanoida																
<i>Neomysis</i>				1												
Mysidacea dam			1		1			1								
<i>Cumella</i>																
<i>Lamprops</i>																
<i>Gnoriinosphaeroma</i>																
<i>Corophium</i>					8	1										
<i>Paraphoxus</i>																
<i>Eogammarus</i>					6		3	1								
Gammarid juv																
Acari (a)								1								
Araneidae (a)								1								
Collembola																
Trichoptera (l)																
Odonata (a,n)																
Ephemeroptera (a,n)																
Plecoptera (a,n)							0	1								
Coleoptera (a)																
Hymenoptera (a)																
Hemiptera (a,l)																
Cicadellidae (a)																
Cercopidae (a)																
Psyllidae (a)																
Aphidae (a)							1									
Cecidomyiidae (a)																
Tipulidae (l,a)																
Heleidae (l)																
Chironomidae (a,p,l)		1	0	0	4	0	0	6	6	0	38	47	5	13	11	7
Cyclorhapha (a)																
Diptera (l,p)																
Lepidoptera (a)																
Osmeridae																
Cottidae																
Salmonidae																
Peamouth chub																
Other unident. fish																
Total Individuals:			2	5	74	22	95	34								
No. of taxa:			2	2	5	5	4	4								

NO GUT CONTENTS

TABLE 9. Stomach contents of underyearling (0+) chinook salmon sampled from Station 2, trips 3 to 16.

Trip:	3D3	4D4	5D5	6D6	7D7	8D8	9D9	10D10	11D11	12D12	13D13	14D14	15D15	16D16							
Date: DAY/MONTH/79	23/2	09/3	23/3	06/4	23/4	04/5	22/5	04/6	18/6	03/7	16/7	31/7	14/8	29/8							
Time sampled: PST	1250	1430	1245	1320	1600	1215	1455	1406	1440	1300	1030	1040	1045	1025							
Time of high water:	1340	1400	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000							
No. of stomachs:	No	No	No	2	4	20	11	17	No	1	No	No	No	No							
Fullness:	captures	captures	captures	0:0:1:1	0:0:0:4	1:0:4:15	1:0:2:8	0:0:5:11	captures	0:0:1:0	captures	captures	captures	captures							
Alevins:				-	-	+ F	+ F	+ NF		-											
PREY ITEM																					
Nematoda																					
<i>Paranis litoralis</i>					8	893	4	6													
<i>Specaria fraseri</i>							2	30													
Cladocera						1															
Harpacticoida						18															
Calanoida																					
<i>Neomysis</i>					1																
Mysidacea dam					1		1														
<i>Cumella</i>					2																
<i>Lamprops</i>																					
<i>Gnoringosphaeroma</i>																					
<i>Corophium</i>						1															
<i>Paraphoxus</i>																					
<i>Eogammarus</i>					1		3	5													
Gammarid juv						1															
Acari (a)							1														
Araneidae (a)							2														
Collembola																					
Trichoptera (l)																					
Odonata (a,n)																					
Ephemeroptera (a,n)																					
Plecoptera (a,n)				0	3			3	3												
Coleoptera (a)																					
Hymenoptera (a)							1														
Hemiptera (a,l)																					
Cicadellidae (a)																					
Cercopidae (a)										1											
Psyllidae (a)																					
Aphidae (a)								4													
Cecidomyiidae (a)																					
Tipulidae (l,a)				1	0					2											
Heleidae (l)																					
Chironomidae (a,p,l)				6	5	0	19	20	4	0	4	26	24	48	36	47	51	13	3	0	1
Cyclorrhapha (a)																			1		
Diptera (l,p)																					
Lepidoptera (a)																					
Osmeridae																					
Cottidae																					
Salmonidae																					
Peamouth chub																					
Other unident. fish						1															
Total Individuals:				11	61	944	122	802		8											
No. of taxa:				1	9	6	8	7		4											

TABLE 10. Stomach contents of underyearling (0+) chinook salmon sampled from Station 3, trips 3 to 16.

Trip:	3D3	4D4	5D5	6D6	7D7	8D8	9D9	10D10	11D11	12D12	13D13	14D14	15D15	16D16							
Date: DAY/MONTH/79	23/2	9/3	23/3	6/4	23/4	4/5	22/5	4/5	18/6	3/7	16/7	31/7	14/8	29/8							
Time sampled: PST	1325	1500	1320	1345	1630	1255	1520	1437	1510	1325	1105	1055	1115	1045							
Time of high water:	1340	1400	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000							
No. of stomachs:	No	No	No	1	4	21	21	5	6	No	4	No	No	No							
Fullness:	captures	captures	captures	0:0:0:1	0:0:0:4	2:0:11:8	0:0:2:19	0:0:3:2	0:0:5:1	captures	0:0:4:0	captures	captures	captures							
Alevins:				-	-	-	-	-	-		-										
PREY ITEM																					
Nematoda																					
<i>Paranis litoralis</i>					3	399	14														
<i>Specaria fraseri</i>						5	13														
Cladocera				1		18															
Harpacticoida				131	2	1418															
Calanoida							1														
<i>Neomysis</i>											11										
Mysidacea dam																					
<i>Cumella</i>																					
<i>Lamprops</i>																					
<i>Gnoringosphaeroma</i>																					
<i>Corophium</i>							3		1												
<i>Paraphoxus</i>																					
<i>Eogammarus</i>							8	1													
Gammarid juv																					
Acari (a)																					
Araneidae (a)									4												
Collembola																					
Trichoptera (l)																					
Odonata (a,n)																					
Ephemeroptera (a,n)																					
Plecoptera (a,n)									1												
Coleoptera (a)									1												
Hymenoptera (a)																					
Hemiptera (a,l)									0	1											
Cicadellidae (a)										1											
Cercopidae (a)																					
Psyllidae (a)										1											
Aphidae (a)								1		1											
Cecidomyiidae (a)								1													
Tipulidae (l,a)									1	1											
Heleidae (l)																					
Chironomidae (a,p,l)				3	3	0	16	23	4	2	2	0	43	59	5	4	0	3	43	8	2
Cyclorhapha (a)					1			1							1						
Diptera (l,p)															2						
Lepidoptera (a)																					
Osmeridae										188					148						
Cottidae																					
Salmonidae																					
Peamouth chub																					
Other unident. fish																					
Total Individuals:				138	49	1845	147	198	217		11										
No. of taxa:				3	4	6	7	4	13		1										

TABLE 11. Stomach contents of underyearling (0+) chinook salmon sampled from Station 4, trips 3 to 16.

Trip:	303	404	505	606	707	808	909	10010	11011	12012	13013	14014	15015	16016
Date: DAY/MONTH/79	23/2	9/3	33/3	6/4	23/4	4/5	22/5	4/6	18/6	3/7	16/7	31/7	14/8	29/8
Time sampled: PST	1345	1220	1340	1425	1715	1325	1555	1510	1535	1354	1130	1115	1130	1100
Time of high water:	1340	1400	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000
No. of stomachs:	No	No	No	No	No	23	12	5	6	1	1	No	No	No
Fullness:	captures	captures	captures	captures	captures	5:0:17:1	0:0:2:10	0:2:3:0	4:0:2:0	0:0:1:0	0:0:1:0	captures	captures	captures
Alevins:						+,F	-	-	-	-	-			
PREY ITEM														
Nematoda						1	2							
<i>Paranis litoralis</i>														
<i>Speocera fraseri</i>														
Cladocera						43								
Harpacticoida						106								
Calanoida														
<i>Neomysis</i>						2		13						
Mysidacea dam														
<i>Cuneella</i>						1								
<i>Lamprops</i>														
<i>Gnoriomphaeroma</i>						1								
<i>Corophium</i>							1							
<i>Paraphoxus</i>														
<i>Eogammarus</i>														
Gammarid juv														
Acari (a)														
Araneidae (a)								3	1					
Collembola														
Trichoptera (l)														
Odonata (a,n)							0	1						
Ephemeroptera (a,n)							1	0			0	1		
Plecoptera (a,n)							0	2	1	0	1	0		
Coleoptera (a)												1		
Hymenoptera (a)														
Hemiptera (a,l)														
Cicadellidae (a)														
Cercopidae (a)								2						
Psyllidae (a)														
Aphidae (a)						1	3							
Cecidomyiidae (a)														
Tipulidae (l,a)														
Heleidae (l)														
Chironomidae (a,p,l)						0	0	1	10	8	5	2	0	0
Cyclorhapha (a)											1		1	
Diptera (l,p)														
Lepidoptera (a)														
Osmeridae								19						
Cottidae														
Salmonidae						2								
Peamouth chub														
Other unident. fish														
Total Individuals:						158	35	38	10	19	6			
No. of taxa:						9	8	5	4	3	2			

TABLE 12. Stomach contents of underyearling (0+) chinook salmon sampled from Station 5, trips 3 to 16.

Trip:	303	404	5D5	6D6	7D7	8D8	9D9	10D10	11D11	12D12	13D13	14D14	15D15	16D16			
Date: DAY/MONTH/79	23/2	9/3	23/3	6/4	23/4	4/5	22/5	4/6	18/6	3/7	16/7	31/7	14/8	29/8			
Time sampled: PST	1355	1235	1400	1443	1346	0925	1240	1156	1230	1130	0900	0900	0925	0855			
Time of high water:	1340	1400	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000			
No. of stomachs:	No	No	No	No	No	21	28	3	2	11	2	No	No	No			
Fullness:	captures	captures	captures	captures	captures	7:11:3:0	2:3:15:8	0:0:2:1	0:0:1:1	1:0:6:4	0:0:2:0	captures	captures	captures			
Alevins:						+,NF	+,F	-	-	-	-						
PREY ITEM																	
Nematoda						6				1							
<i>Paranis litorclis</i>																	
<i>Specaria fraseri</i>																	
Cladocera						10											
Harpacticoida						22											
Calanoida																	
<i>Neomysis</i>								1		6	15						
Mysidacea dam						1											
<i>Cumella</i>																	
<i>Lamprope</i>																	
<i>Gnoringosphaeroma</i>						1											
<i>Corophium</i>						1	3		1	2							
<i>Paraphoxus</i>																	
<i>Eogammarus</i>						1	4										
Gammarid juv						1											
Acari (a)																	
Araneidae (a)							2		1								
Collembola																	
Trichoptera (l)																	
Odonata (a,n)																	
Ephemeroptera (a,n)									0	1							
Plecoptera (a,n)							3	4									
Coleoptera (a)							3				1						
Hymenoptera (a)										3							
Hemiptera (a,l)																	
Cicadellidae (a)							1			1							
Cercopidae (a)							4	1			1						
Psyllidae (a)																	
Aphidae (a)										1							
Cecidomyiidae (a)							4				1						
Tipulidae (l,a)							1										
Heleidae (l)									1								
Chironomidae (a,p,l)						3	2	1	19	12	14	11	1	0	72	30	0
Cyclorhapha (a)							1						1				
Diptera (l,p)																	
Lepidoptera (a)							1										
Osmeridae																	
Cottidae																	
Salmonidae											1						
Peamouth chub																	
Other unident. fish																	
Total Individuals:						49	76	2	16	116	20						
No. of taxa:						9	12	2	5	7	6						

TABLE 13. Stomach contents of underyearling (0+) chinook salmon sampled from Station 6, trips 3 to 16.

Trip:	303	404	505	606	707	808	909	10010	11011	12012	13013	14014	15015	16016
Date: DAY/MONTH/79	23/2	9/3	23/3	6/4	23/4	4/5	22/5	4/6	18/6	3/7	16/7	31/7	14/8	29/8
Time sampled: PST	1420	1255	1110	1200	1405	1010	1320	1238	1255	1155	0930	0920	0940	0920
Time of high water:	1340	1400	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000
No. of stomachs:	No captures	No captures	No captures	No captures	20	21	24	9	6	2	3	No captures	No captures	No captures
Fullness:					2:0:8:9	3:6:7:5	0:0:4:20	0:1:2:6	0:0:1:5	0:0:2:0	0:1:2:0			
Alevins:					+, NF	+, NF	+, F							
PREY ITEM														
Nematoda						3								
<i>Paranis litoralis</i>														
<i>Spicaria fraseri</i>														
Cladocera					19	2								
Harpacticoida						1								
Calanoida					7									
<i>Neomysis</i>					7						2			
<i>Mysidacea dam</i>								1						
<i>Cumella</i>														
<i>Lamprops</i>					2									
<i>Gnoringosphaeroma</i>														
<i>Corophium</i>					8	2		3						
<i>Paraphoxus</i>					1									
<i>Eogammarus</i>					2	1								
Gammarid juv														
Acari (a)											2			
Araneidae (a)							2	1						
Collembola						1								
Trichoptera (l)												1		
Odonata (a,n)														
Ephemeroptera (a,n)							0 2	1 1			2 3			
Plecoptera (a,n)						0 2	0 3	0 2	0 1	3	1 1			
Coleoptera (a)						2						4		
Hymenoptera (a)												15		
Hemiptera (a,l)														
Cicadellidae (a)							2							
Cercopidae (a)						1								
Psyllidae (a)							1		1					
Aphidae (a)						2				2		3		
Cecidomyiidae (a)														
Tipulidae (l,a)										3				
Heleidae (l)								1	1	1				
Chironomidae (a,p,l)					15 9 0	7 1 3	32 20 15	52 30 30	20 6 4	36 24 1	22 1 1			
Cyclorhapha (a)										1				
Diptera (l,p)								2	1	1				
Lepidoptera (a)									1			1		
Osmeridae								3				3		
Cottidae														
Salmonidae														
Peamouth chub														
Other unident. fish														
Total Individuals:					70	28	77	127	35	72	62			
No. of taxa:					8	11	6	9	6	7	11			

TABLE 14. Stomach contents of underyearling (0+) chinook salmon sampled from Station 7, trips 3 to 16.

Trip:	3D3	4D4	5D5	6D6	7D7	8D8	9D9	10D10	11D11	12D12	13D13	14D14	15D15	16D16
Date: DAY/MONTH/79	23/2	9/3	23/3	6/4	23/4	4/5	22/5	4/6	18/6	3/7	16/7	31/7	14/8	29/8
Time sampled: PST	1200	1335	1130	1220	1455	1100	1350	1310	1320	1220	0950	0950	1005	0940
Time of high water:	1340	1400	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000
No. of stomachs:	No captures	No captures	No captures	2	13	26	20	3	2	2	1	1	No captures	No captures
Fullness:				0:0:1:0	0:0:3:10	2:4:10:10	0:2:8:10	0:0:1:2	0:0:0:2	0:0:2:0	0:0:1:0	0:0:0:1		
Alevins:				+ .NF	-	+ ,F	+ ,F	-	-	-	-	-		
PREY ITEM														
Nematoda						2		1						
<i>Paranis litoralis</i>														
<i>Specaria fraseri</i>														
Cladocera														
Harpacticoida														
Calanoidéa														
<i>Neomysis</i>							1					1		
Mysidacea dam										2				
<i>Cunella</i>														
<i>Lamprops</i>														
<i>Gnoringosphaeroma</i>						1								
<i>Corophium</i>				1	5	2		1						
<i>Paraphoxus</i>					1									
<i>Ecogammarus</i>				1	15	8	3							
Gammarid juv														
Acarid (a)														
Araneidae (a)									3					
Collembola														
Trichoptera (l)													1	
Odonata (a,n)														
Ephemeroptera (a,n)									0	1				
Plecoptera (a,n)					0	1		0	1				1	1
Coleoptera (a)														
Hymenoptera (a)									1	0				2
Hemiptera (a,l)					3									
Cicadellidae (a)														
Cercopidae (a)												3		2
Psyllidae (a)														1
Aphidae (a)														2
Cecidomyiidae (a)														
Tipulidae (l,a)					1									
Heleidae (l)														
Chironomidae (a,p,l)				1	0	0	1	12	13					
Cyclorhapha (a)									28	20	13	15	3	5
Diptera (l,p)									1					
Lepidoptera (a)					1									
Osmeridae														
Cottidae														
Salmonidae														
Peanmouth chub														
Other unident. fish						1								
Total Individuals:				3	53	15	65	26	24	39	19	11		
No. of taxa:				3	8	6	3	4	6	5	3	7		

TABLE 15. Stomach contents of yearlings (1+) chinook salmon sampled from Station 1, trips 3 to 16.

Trip:	303	404	505	606	707	808	909	10010	11011	12012	3013	14014	15015	16016
Date: DAY/MONTH/79	23/2	9/3	23/3	6/4	23/4	4/5	22/5	4/6	18/6	3/7	16/7	31/7	14/8	29/8
Time sampled: PST	1220	1400	1200	1245	1525	1125	1425	1340	1345	1246	1015	1015	1030	1005
Time of high water:	1340	1400	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000
No. of stomachs:	No	No	No	No	No	5	No	No	No	No	No	No	No	No
Fullness:	captures	captures	captures	captures	captures	2:0:3:0	Captures	captures	captures	captures	captures	Captures	captures	captures
Alevins:														
PREY ITEM														
Nematoda														
<i>Paranis litoralis</i>														
<i>Specaria fraseri</i>														
Cladocera														
Harpacticoida														
Calanoida														
<i>Neomysis</i>														
Mysidacea dam														
<i>Cumella</i>														
<i>Lamprops</i>														
<i>Gnornimosphaeroma</i>														
<i>Corophium</i>						1								
<i>Paraphoxus</i>														
<i>Eogammarus</i>						1								
Gammarid juv														
Acari (a)														
Araneidae (a)														
Collembola														
Trichoptera (l)														
Odonata (a,n)														
Ephemeroptera (a,n)														
Plecoptera (a,n)														
Coleoptera (a)						2								
Hymenoptera (a)														
Hemiptera (a,l)														
Cicadellidae (a)														
Cercopidae (a)														
Psyllidae (a)														
Aphidae (a)														
Cecidomyiidae (a)														
Tipulidae (l,a)														
Heleidae (l)														
Chironomidae (a,p,l)														
Cyclorhapha (a)														
Diptera (l,p)														
Lepidoptera (a)														
Osmeridae														
Cottidae														
Salmonidae						1								
Peamouth chub														
Other unident. fish														
Total Individuals:						5								
No. of taxa:						4								

TABLE 16. Stomach contents of yearlings (1+) chinook salmon sampled from Station 2, trips 3 to 16.

Trip:	303	404	505	606	707	808	909	10010	11011	12012	13013	14014	15015	16016
Date: DAY/MONTH/79	23/2	9/8	23/3	6/4	23/4	04/5	22/5	04/6	18/6	3/7	16/7	31/7	14/8	29/8
Time sampled: PST	1250	1430	1245	1320	1600	1215	1455	1406	1440	1300	1030	1040	1045	1025
Time of high water:	1340	1400	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000
No. of stomachs:	No	No	No	No	1	2	No	No	No	No	No	No	No	No
Fullness:	captures	captures	captures	captures	0:0:0:1	0:0:0:2	captures	captures	captures	captures	captures	captures	captures	captures
Alevins:														
PREY ITEM														
<i>Nematoda</i>														
<i>Paranais litoralis</i>					211	324								
<i>Specaria fraseri</i>						4								
<i>Cladocera</i>														
<i>Harpacticoida</i>					1									
<i>Calanoida</i>														
<i>Neomysis</i>					2									
<i>Mysidacea dam</i>														
<i>Cumella</i>														
<i>Lamprops</i>														
<i>Gnominosphaeroma</i>														
<i>Corophium</i>														
<i>Paraphoxus</i>														
<i>Eogammarus</i>					2									
Gammarid juv														
Acari (a)														
Araneidae (a)														
Collembola														
Trichoptera (l)														
Odonata (a,n)														
Ephemeroptera (a,n)														
Plecoptera (a,n)														
Coleoptera (a)														
Hymenoptera (a)														
Hemiptera (a,l)														
Cicadellidae (a)														
Cercopidae (a)														
Psyllidae (a)														
Aphidae (a)														
Cecidomyiidae (a)														
Tipulidae (l,a)														
Heleidae (l)														
Chironomidae (a,p,l)					0 0 4	0 2 11								
Cyclorhapha (a)														
Diptera (l,p)						3 0								
Lepidoptera (a)														
Osmeridae														
Cottidae					5									
Salmonidae														
Peanmouth chub														
Other unident. fish														
Total Individuals:					225	344								
No. of taxa:					6	4								

TABLE 17. Stomach contents of yearlings (1+) chinook salmon sampled from Station 3, trips 3 to 16.

Trip:	3D3	4D4	5D5	6D6	7D7	8D8	9D9	10D10	11D11	12D12	13D13	14D14	15D15	16D16
Date: DAY/MONTH/79	23/2	9/3	23/3	6/4	23/4	4/5	22/5	4/5	18/6	3/7	16/7	31/7	14/8	29/8
Time sampled: PST	1325	1500	1320	1345	1630	1255	1520	1436	1510	1325	1105	1055	1115	1045
Time of high water:	1340	1500	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000
No. of stomachs:	No	No	No	No	No	No	1	No	No	No	No	No	No	No
Fullness:	captures	captures	captures	captures	captures	captures	0:1:0:0	captures	captures	captures	captures	captures	captures	captures
Alevins:							-							
PREY ITEM														
Nematoda														
<i>Paranaeis litoralis</i>														
<i>Spacaria fraseri</i>														
Cladocera														
Harpacticoida														
Calanoida														
<i>Neomysis</i>														
Mysidacea dam														
<i>Cumella</i>														
<i>Lamproa</i>														
<i>Gnortosphaeroma</i>														
<i>Corophium</i>														
<i>Paraphoxus</i>														
<i>Eogammarus</i>														
Gammarid juv														
Acari (a)														
Araneidae (a)														
Collembola							2							
Trichoptera (1)														
Odonata (a,n)														
Ephemeroptera (a,n)														
Plecoptera (a,n)														
Coleoptera (a)														
Hymenoptera (a)														
Hemiptera (a,l)														
Cicadellidae (a)														
Cercopidae (a)														
Psyllidae (a)														
Aphidae (a)														
Cecidomyiidae (a)														
Tipulidae (1,a)														
Heleidae (1)														
Chironomidae (a,p,l)							17	38	2					
Cyclorrhapha (a)														
Diptera (1,p)														
Lepidoptera (a)														
Osmeridae														
Cottidae														
Salmonidae														
Peamouth chub														
Other unident. fish														
Total Individuals:							59							
No. of taxa:							2							

TABLE 18. Stomach contents of yearlings (1+) chinook salmon sampled from Station 4, trips 3 to 16.

Trip:	303	404	505	606	707	808	909	10D10	11011	12012	13013	14014	15015	16D16
Date: DAY/MONTH/79	23/2	9/3	23/3	6/4	23/4	4/5	22/5	4/5	18/6	3/7	16/7	31/7	14/8	29/8
Time sampled: PST	1345	1220	1340	1425	1715	1325	1555	1510	1535	1354	1130	1115	1130	1100
Time of high water:	1340	1400	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000
No. of stomachs:	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Fullness:	captures	captures	captures	captures	0:0:0:1	1:0:3:1	0:1:0:0	captures	captures	captures	captures	captures	captures	captures
Alevins:					-	-	-							2
PREY ITEM														
Nematoda									1					
<i>Paranis litoralis</i>					244									
<i>Specaria fraseri</i>														
Cladocera														
Harpacticoida														
Calanoida														
<i>Neomysis</i>					9		1							2
Mysidacea dam														
Cumella														
Lamprops														
<i>Gnoringosphaerona</i>														
<i>Corophium</i>					1	1								
<i>Paraphoxus</i>							1							
<i>Eogammarus</i>														
Gammarid juv														
Acari (a)														
Araneidae (a)					2									
Collembola									1					
Trichoptera (l)														
Odonata (a,n)														
Ephemeroptera (a,n)							0	1						
Plecoptera (a,n)							1	0						
Coleoptera (a)														
Hymenoptera (a)														
Hemiptera (a,l)														
Cicadellidae (a)														
Cercopidae (a)														
Psyllidae (a)														
Aphidae (a)														
Cecidomyiidae (a)														
Tipulidae (l,a)														
Heleidae (l)					1									
Chironomidae (a,p,l)					16	32	3	0	0	1				
Cyclorhapha (a)														
Diptera (l,p)					1									
Lepidoptera (a)														
Osmeridae					2									
Cottidae					1									
Salmonidae														
Peamouth chub														
Other unident. fish														
Total Individuals:					312	7	1							2
No. of taxa:					9	7	1							1

TABLE 19. Stomach contents of yearlings (1+) chinook salmon sampled from Station 5, trips 3 to 16.

Trip:	303	404	505	606	707	808	909	10010	11011	12012	13013	14014	15015	16016
Date: DAY/MONTH/79	23/2	9/3	23/3	6/4	23/4	4/5	22/5	4/6	18/6	3/7	16/7	31/7	14/8	29/8
Time sampled: PST	1355	1235	1400	1443	1346	0925	1240	1156	1230	1130	0900	0900	0925	0855
Time of high water:	1340	1400	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000
No. of stomachs:	No	No	No	No	No	No	3	No	No	No	No	No	No	No
Fullness:	captures	captures	captures	captures	captures	captures	0:2:1:0	captures	captures	captures	captures	captures	captures	captures
Alevins:							..							
PREY ITEM														
Nematoda														
<i>Paracnais litoralis</i>														
<i>Specaria fraseri</i>														
Cladocera														
Harpacticoida														
Calanoida														
<i>Neomysis</i>														
Myxidacea dam														
<i>Cumella</i>														
<i>Lamprops</i>														
<i>Gnoringosphaeroma</i>														
<i>Corophium</i>														
<i>Paraphoxus</i>														
<i>Eogammarus</i>							1							
Gammarid juv														
Acari (a)														
Araneidae (a)														
Collembola														
Trichoptera (l)														
Odonata (a,n)														
Ephemeroptera (a,n)							0	1						
Plecoptera (a,n)														
Coleoptera (a)								1						
Hymenoptera (a)														
Hemiptera (a,l)														
Cicadellidae (a)														
Cercopidae (a)														
Psyllidae (a)														
Aphidae (a)														
Cecidomyiidae (a)														
Tipulidae (l,a)														
Heleidae (l)								1						
Chironomidae (a,p,l)							0	1	0					
Cyclorrhapha (a)														
Diptera (l,p)														
Lepidoptera (a)														
Osmeridae														
Cottidae														
Salmonidae														
Peamouth chub														
Other unident. fish														
Total Individuals:							5							
No. of taxa:							5							

TABLE 20. Stomach contents of yearlings (1+) chinook salmon sampled from Station 6, trips 3 to 16.

Trip:	3D3	4D4	5D5	6D6	7D7	8D8	9D9	10D10	11D11	12D12	13D13	14D14	15D15	16D16
Date: DAY/MONTH/79	23/2	9/3	23/3	6/4	23/4	4/5	22/5	4/6	18/6	3/7	16/7	31/7	13/8	29/8
Time sampled: PST	1420	1255	1110	1200	1405	1010	1320	1238	1255	1155	0930	0920	0940	0920
Time of high water:	1340	1400	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000
No. of stomachs:	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Fullness:	captures	captures	captures	captures	captures	0:0:1:3	captures	0:0:1:0	captures	0:1:0:0	captures	captures	0:1:0:0	captures
Alevins:						-		-		-			-	
PREY ITEM														
Nematoda														
<i>Paranis litoralis</i>														
<i>Specaria fraseri</i>														
Cladocera														
Harpacticoida														
Calanoida														
<i>Neomysis</i>													1	
Mysidacea dam														
<i>Cumella</i>														
<i>Lamprops</i>														
<i>Gnoringosphaeroma</i>														
<i>Corophium</i>						1		1		1				
<i>Paraphoxus</i>														
<i>Eogammarus</i>						2		1						
Gammarid juv														
Acari (a)														
Araneidae (a)									3					
Collembola														
Trichoptera (l)														
Odonata (a,n)													1	0
Ephemeroptera (a,n)						0	1							
Plecoptera (a,n)						2	0		1	0				
Coleoptera (a)									1					
Hymenoptera (a)						1								
Hemiptera (a,l)														
Cicadellidae (a)														
Cercopidae (a)									1					
Psyllidae (a)														
Aphidae (a)									2					
Cecidomyiidae (a)									1					
Tipulidae (l,a)														
Heleidae (l)														
Chironomidae (a,p,l)						2	0	0		6	0	1		2
Cyclorhapha (a)														
Diptera (l,p)														
Lepidoptera (a)														
Osmeridae														
Cottidae														
Salmonidae						2								
Peanouth chub														
Other unident. fish														
Total Individuals:						11		18		1			6	
No. of taxa:						7		9		1			3	

TABLE 21. Stomach contents of yearlings (1+) chinook salmon sampled from Station 7, trips 3 to 16.

Trip:	303	404	505	606	707	808	909	10010	11011	12012	13013	14014	15015	16016
Date: DAY/MONTH/79	23/2	9/3	23/3	6/4	23/4	4/5	22/5	4/6	18/6	3/7	16/7	31/7	14/8	29/3
Time sampled: PST	1200	1335	1130	1220	1455	1100	1350	1310	1320	1220	0950	0950	1005	0940
Time of high water:	1340	1400	1300	1250	1500	1200	1530	1320	1250	1250	1105	1035	1100	1000
No. of stomachs:	No	No	No	No	No	4 4	3 3	No	No	No	No	No	1	No
Fullness:	captures	captures	captures	captures	captures	0:1:2:1	2:0:0:1	captures	captures	captures	captures	captures	0:0:1:0	captures
Alevins:														
PREY ITEM														
Nematoda						11								
<i>Paranais litoralis</i>														
<i>Specaria fraseri</i>														
Cladocera														
Harpacticoida														
Calanoida														
<i>Neomysis</i>													10	
Mysidacea dam														
<i>Cumella</i>														
<i>Lamprops</i>														
<i>Gnoringosphaeroma</i>														
<i>Corophium</i>														
<i>Paraphoxus</i>														
<i>Eogammarus</i>						3							1	
Gammarid juv														
Acari (a)							1							
Araneidae (a)														
Collembola														
Trichoptera (l)														
Odonata (a,n)						1	0							
Ephemeroptera (a,n)													0	1
Plecoptera (a,n)							0	7					1	0
Coleoptera (a)														1
Hymenoptera (a)								2						
Hemiptera (a,l)														
Cicadellidae (a)														
Cercopidae (a)								3						
Psyllidae (a)														
Aphidae (a)														
Cecidomyiidae (a)														
Tipulidae (l,a)														
Heleidae (l)														
Chironomidae (a,p,l)						0	1	0	1	0	0		3	1
Cyclorhapha (a)								2						
Diptera (l,p)														
Lepidoptera (a)														
Osmeridae														
Cottidae														
Salmonidae						1		1						
Peamouth chub														
Other unident. fish						1								
Total Individuals:						18		17					21	
No. of taxa:						6		7					6	

Ranked Percent Abundance of Food Items
in Salmon Stomach Contents

Trips 3 - 16: February to August 1979

Tables 1 - 7: Underyearling (0+) Chum

Tables 8 - 14: Underyearling (0+) Chinook

Tables 15 - 21: Yearling (1+) Chinook

TABLE 1. Ranked abundance of major food items found in underyearling (0+) chum salmon stomachs at Station 1, from trips 3 to 16.

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	3D3 3.0 39.0 mm	4D4 3.7 39.7 mm	5D5 3.9 41.2 mm			
	PREY ITEM	PERCENT RANK ABUNDANCE	PREY ITEM	PERCENT RANK ABUNDANCE	PREY ITEM	PERCENT RANK ABUNDANCE
	Chironomidae	75 1	Chironomidae	97 1	Chironomidae	99 1
	Harpacticoida	25 2	Corophium	3 2	Harpacticoida	1 2
		3 3		3 3		3 3
		4 4		4 4		4 4
		5 5		5 5		5 5
		6 6		6 6		6 6
		7 7		7 7		7 7
		8 8		8 8		8 8
		9 9		9 9		9 9
		10 10		10 10		10 10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	6D6 3.7 39.7 mm	7D7 3.1 39.3 mm	8D8 1.0 37.7 mm			
	PREY ITEM	PERCENT RANK ABUNDANCE	PREY ITEM	PERCENT RANK ABUNDANCE	PREY ITEM	PERCENT RANK ABUNDANCE
	Chironomidae	93 1	Harpacticoida	60 1	Oligochaeta	100 1
	Other Fish	3 2	Chironomidae	34 2		2 2
	Harpacticoida	2 3	Cladocera	2 3		3 3
	Cladocera	2 4	Other Diptera	2 4		4 4
		5 5	Cumacea	1 5		5 5
		6 6	Plecoptera	1 6		6 6
		7 7		7 7		7 7
		8 8		8 8		8 8
		9 9		9 9		9 9
		10 10		10 10		10 10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	9D9 4.0 40.0 mm	10D10	11D11 3.0 32.0 mm			
	PREY ITEM	PERCENT RANK ABUNDANCE	PREY ITEM	PERCENT RANK ABUNDANCE	PREY ITEM	PERCENT RANK ABUNDANCE
	Chironomidae	82 1			Chironomidae	100 1
	Other Diptera	7 2				2 2
	Chelicerata	4 3				3 3
	Plecoptera	4 4				4 4
	Homoptera	2 5				5 5
		6 6				6 6
		7 7				7 7
		8 8				8 8
		9 9				9 9
		10 10				10 10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	12D12	13D13	14D14			
	PREY ITEM	PERCENT RANK ABUNDANCE	PREY ITEM	PERCENT RANK ABUNDANCE	PREY ITEM	PERCENT RANK ABUNDANCE
		1 1				1 1
		2 2				2 2
		3 3				3 3
		4 4				4 4
		5 5				5 5
		6 6				6 6
		7 7				7 7
		8 8				8 8
		9 9				8 8
		10 10				10 10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	15D15	16D16		
	PREY ITEM	PERCENT RANK ABUNDANCE	PREY ITEM	PERCENT RANK ABUNDANCE
		1 1		1 1
		2 2		2 2
		3 3		3 3
		4 4		4 4
		5 5		5 5
		6 6		6 6
		7 7		7 7
		8 8		8 8
		9 9		9 9
		10 10		10 10

TABLE 2. Ranked percent abundance of major food items found in underyearling (0+) chum salmon stomachs at Station 2, from trips 3 to 16

TRIP:	303	4D4	5D5					
INDEX OF FULLNESS:		3.6	3.7					
MEAN FORKLENGTH: mm		40.0 mm	41.8 mm					
	PREY ITEM	PERCENT RANK	PREY ITEM	PERCENT RANK	PREY ITEM	PERCENT RANK		
	ABUNDANCE	ABUNDANCE	ABUNDANCE	ABUNDANCE	ABUNDANCE	ABUNDANCE		
		1	Chironomidae	99	1	Oligochaeta	50	1
		2	Plecoptera	1	2	Chironomidae	33	2
		3			3	Harpacticoida	17	3
		4			4			4
		5			5			5
		6			6			6
		7			7			7
		8			8			8
		9			9			9
		10			10			10

TRIP:	6D6	7D7	8D8						
INDEX OF FULLNESS:	3.6	3.7	3.0						
MEAN FORKLENGTH: mm	37.0 mm	40.6 mm	40.2 mm						
	PREY ITEM	PERCENT RANK	PREY ITEM	PERCENT RANK	PREY ITEM	PERCENT RANK			
	ABUNDANCE	ABUNDANCE	ABUNDANCE	ABUNDANCE	ABUNDANCE	ABUNDANCE			
	Chironomidae	80	1	Harpacticoida	55	1	Oligochaeta	76	1
	Harpacticoida	20	2	Oligochaeta	40	2	Harpacticoida	20	2
		3	Chironomidae	4	3	Chironomidae	3	3	
		4	Cumacea	<1	4	Cladocera	<1	4	
		5	Eogammarus	<1	5	Chelicerata	<1	5	
		6	Collembola	<1	6			6	
		7			7			7	
		8			8			8	
		9			9			9	
		10			10			10	

TRIP:	9D9	10D10	11D11			
INDEX OF FULLNESS:						
MEAN FORKLENGTH: mm						
	PREY ITEM	PERCENT RANK	PREY ITEM	PERCENT RANK	PREY ITEM	PERCENT RANK
	ABUNDANCE	ABUNDANCE	ABUNDANCE	ABUNDANCE	ABUNDANCE	ABUNDANCE
		1		1		1
		2		2		2
		3		3		3
		4		4		4
		5		5		5
		6		6		6
		7		7		7
		8		8		8
		9		9		9
		10		10		10

TRIP:	12D12	13D13	14D14			
INDEX OF FULLNESS:						
MEAN FORKLENGTH: mm						
	PREY ITEM	PERCENT RANK	PREY ITEM	PERCENT RANK	PREY ITEM	PERCENT RANK
	ABUNDANCE	ABUNDANCE	ABUNDANCE	ABUNDANCE	ABUNDANCE	ABUNDANCE
		1		1		1
		2		2		2
		3		3		3
		4		4		4
		5		5		5
		6		6		6
		7		7		7
		8		8		8
		9		9		8
		10		10		10

TRIP:	15D15	16D16		
INDEX OF FULLNESS:				
MEAN FORKLENGTH: mm				
	PREY ITEM	PERCENT RANK	PREY ITEM	PERCENT RANK
	ABUNDANCE	ABUNDANCE	ABUNDANCE	ABUNDANCE
		1		1
		2		2
		3		3
		4		4
		5		5
		6		6
		7		7
		8		8
		9		9
		10		10

TABLE 3. Ranked percent abundance of major food items found in underyearling (0+) chum slamon stomachs at Station 3, from trips 3 to 16.

TRIP:	3D3			4D4 3.8 40.0 mm			5D5		
INDEX OF FULLNESS:	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
MEAN FORKLENGTH: mm									
			1	Chironomidae	96	1			1
			2	Harpacticoida	2	2			2
			3	Cladocera	1	3			3
			4	Eogammarus	1	4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP:	6D6 3.5 41.7 mm			7D7 2.5 40.5 mm			8D8 4.0 38.0 mm		
INDEX OF FULLNESS:	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
MEAN FORKLENGTH: mm									
	Chironomidae	64	1	Harpacticoida	98	1	Harpacticoida	85	1
	Harpacticoida	31	2	Oligochaeta	1	2	Oligochaeta	12	2
	Mysidacea	3	3	Chironomidae	<1	3	Cladocera	2	3
	Cumacea	1	4	Cumacea	<1	4	Chironomidae	1	4
	Hymenoptera	1	5	Eogammarus	<1	5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP:	9D9 3.5 40.0 mm			10D10			11D11		
INDEX OF FULLNESS:	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
MEAN FORKLENGTH: mm									
	Chironomidae	59	1			1			1
	Fish (eulachon)	35	2			2			2
	Eogammarus	6	3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP:	12D12			13D13			14D14		
INDEX OF FULLNESS:	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
MEAN FORKLENGTH: mm									
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			8
			10			10			10

TRIP:	15D15			16D16		
INDEX OF FULLNESS:	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
MEAN FORKLENGTH: mm						
			1			1
			2			2
			3			3
			4			4
			5			5
			6			6
			7			7
			8			8
			9			9
			10			10

TABLE 4. Ranked percent abundance of major food items found in underyearling (0+) chum salmon stomachs at Station 4, from trips 3 to 16.

TRIP:	3D3			4D4			5D5		
INDEX OF FULLNESS:								3.6	
MEAN FORKLENGTH: mm								41.3	
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1	Cumacea	62	1
			2			2	Harpacticoida	18	2
			3			3	Gammarid juv.	5	3
			4			4	Plecoptera	5	4
			5			5	Chironomidae	5	5
			6			6	Other Diptera	5	6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP:	6D6			7D7			8D8		
INDEX OF FULLNESS:								2.2	
MEAN FORKLENGTH: mm								40.8	
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Chironomidae	96	1	Cumacea	76	1	Cladocera	47	1
	Harpacticoida	4	2	Eogammarus	20	2	Harpacticoida	35	2
			3	Corophium	4	3	Chironomidae	18	3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP:	9D9			10D10			11D11		
INDEX OF FULLNESS:								3.0	
MEAN FORKLENGTH: mm								39.0	
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1	Chironomidae	75	1
			2			2	Mysidacea	25	2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP:	12D12			13D13			14D14		
INDEX OF FULLNESS:									
MEAN FORKLENGTH: mm									
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP:	15D15			16D16		
INDEX OF FULLNESS:						
MEAN FORKLENGTH: mm						
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1
			2			2
			3			3
			4			4
			5			5
			6			6
			7			7
			8			8
			9			9
			10			10

TABLE 5. Ranked percent abundance of major food items found in underyearling (0+) chum salmon stomachs at Station 5, from trips 3 to 16.

TRIP:	3D3	4D4	5D5						
INDEX OF FULLNESS:									
MEAN FORKLENGTH: mm									
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10
TRIP:	6D6	7D7	8D8						
INDEX OF FULLNESS:	3.0		2.3						
MEAN FORKLENGTH: mm	49.0		40.5						
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Cumacea	37	1	Cladocera	82	1			
	Chironomidae	32	2	Harpacticoida	13	2			
	Cladocera	21	3	Gammarid juv.	<3	3			
	Other Diptera	5	4	Chironomidae	<3	4			
	Fish (peamouth chub)	5	5			5			
		5	6			6			
			7			7			
			8			8			
			9			9			
			10			10			
TRIP:	9D9	10D10	11D11						
INDEX OF FULLNESS:	4.0								
MEAN FORKLENGTH: mm	40.5								
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Chironomidae	71	1			1			1
	Fish (peamouth chub)		2			2			2
		14	3			3			3
	Plecoptera	7	4			4			4
	Coleoptera	7	5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10
TRIP:	12D12	13D13	14D14						
INDEX OF FULLNESS:									
MEAN FORKLENGTH: mm									
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			8
			10			10			10
TRIP:	15D15	16D16							
INDEX OF FULLNESS:									
MEAN FORKLENGTH: mm									
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK			
			1			1			
			2			2			
			3			3			
			4			4			
			5			5			
			6			6			
			7			7			
			8			8			
			9			9			
			10			10			

TABLE 6. Ranked percent abundance of major food items found in underyearling (0+) chum salmon stomachs at Station 6, from trips 3 to 16.

TRIP:	3D3			404			505		
INDEX OF FULLNESS:									
MEAN FORKLENGTH: mm									
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP:	606			7D7			8D8		
INDEX OF FULLNESS:				2.2			1.3		
MEAN FORKLENGTH: mm	39.0						41.8		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1	Chironomidae	48	1	Fish	100	1
			2	Cumacea	28	2			2
			3	Harpacticoida	18	3			3
			4	Gammarid juv.	2	4			4
			5	Plectoptera	2	5			5
			6	Fish (unident.)	2	6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP:	9D9			10D10			11D11		
INDEX OF FULLNESS:	4.0								
MEAN FORKLENGTH: mm	39.0								
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Fish (eulachon)	84	1			1			1
	Chironomidae	12	2			2			2
	Homoptera	4	3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP:	12D12			13D13			14D14		
INDEX OF FULLNESS:									
MEAN FORKLENGTH: mm									
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP:	15D15			16D16		
INDEX OF FULLNESS:						
MEAN FORKLENGTH: mm						
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1
			2			2
			3			3
			4			4
			5			5
			6			6
			7			7
			8			8
			9			9
			10			10

TABLE 7. Ranked percent abundance of major food items found in underyearling (0+) chum salmon stomachs at Station 7, from trips 3 to 16.

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	303			404			505		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	606			707			808		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	909			10010			11011		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	12012			13013			14014		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			8
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	15015			16016		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1
			2			2
			3			3
			4			4
			5			5
			6			6
			7			7
			8			8
			9			9
			10			10

TABLE 8. Ranked percent abundance of major food items found in underyearling (0+) chinook salmon stomachs at Station 1, from trips 3 to 16.

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	3D3			4D4			5D5		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1	Chironomidae	50	1
			2			2	Mysidacea	50	2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	6D6			7D7			8D8		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Chironomidae	80	1	Harpacticoida	59	1	Chironomidae	54	1
	Mysidacea	20	2	Cladocera	20	2	Nematoda	27	2
			3	Corophium	11	3	Harpacticoida	9	3
			4	Eogammarus	8	4	Corophium	5	4
			5	Mysidacea	2	5	Homoptera	5	5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	9D9			10D10			11D11		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Chironomidae	95	1	Chironomidae	90	1			1
	Eogammarus	3	2	Mysidacea	3	2			2
	Chelicerata	1	3	Eogammarus	3	3			3
	Plecoptera	1	4	Chelicerata	3	4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	12D12			13D13			14D14		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH:	15D15			16D16		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1
			2			2
			3			3
			4			4
			5			5
			6			6
			7			7
			8			8
			9			9
			10			10

TABLE 9. Ranked percent abundance of major food items found in underyearling (0+) chinook salmon stomachs at Station 2, from trips 3 to 16.

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	3D3			4D4			5D5		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	6D6			7D7			8D8				
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK		
3.5 45.0				4.0 43.0				3.3 43.1			
	Chironomidae	100	1	Chironomidae	70	1	Oligochaeta	94	1		
			2	Oligochaeta	13	2	Chironomidae	3	2		
			3	Plecoptera	5	3	Harpacticoida	2	3		
			4	Cumacea	3	4	Cladocera	<1	4		
			5	Mysidacea	3	5	Corophium	<1	5		
			6	Eogammarus	2	6	Gammarid juv.	<1	6		
			7	Other Diptera	2	7			7		
			8	Other Fishes	2	8			8		
			9			9			9		
			10			10			10		

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	9D9			10D10			11D11		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
3.5 43.0				3.7 46.4					
	Chironomidae	89	1	Osmeridae	80	1			1
	Oligochaeta	5	2	Chironomidae	14	2			2
	Eogammarus	2	3	Oligochaeta	4	3			3
	Chelicerata	2	4	Plecoptera	<1	4			4
	Mysidacea	1	5	Eogammarus	<1	5			5
	Hymenoptera	1	6	Homoptera	<1	6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	12D12			13D13			14D14		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
3.0 54									
	Chironomidae	50	1			1			1
	Other Diptera	38	2			2			2
	Homoptera	12	3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			8
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	15D15			16D16		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1
			2			2
			3			3
			4			4
			5			5
			6			6
			7			7
			8			8
			9			9
			10			10

TABLE 10. Ranked percent abundance of major food items found in underyearling (0+) chinook salmon stomachs at Station 3, from trips 3 to 16.

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	3D3			4D4			5D5		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	6D6			7D7			8D8				
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK		
4.0 44.0				4.0 39.3				3.2 42.4			
	Harpacticoida	95	1	Chironomidae	88	1	Harpacticoida	77	1		
	Chironomidae	4	2	Oligochaeta	6	2	Oligochaeta	22	2		
	Cladocera	1	3	Harpacticoida	4	3	Cladocera	<1	3		
			4	Other Diptera	2	4	Chironomidae	<1	4		
			5			5	Other Diptera	<1	5		
			6			6			6		
			7			7			7		
			8			8			8		
			9			9			9		
			10			10			10		

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	9D9			10D10			11D11				
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK		
3.9 43.0				3.4 47.3				3.2 54.7			
	Chironomidae	73	1	Osmeridae	95	1	Osmeridae	68	1		
	Oligochaeta	18	2	Chironomidae	4	2	Chironomidae	24	2		
	Eozammarus	5	3	Eozammarus	<1	3	Other Diptera	2	3		
	Isopoda	2	4	Homoptera	<1	4	Chelicerata	2	4		
	Calanoidea	1	5	Other Diptera	<1	5	Homoptera	1	5		
	Other Diptera	1	6			6	Corophium	<1	6		
			7			7	Plecoptera	<1	7		
			8			8	Coleoptera	<1	8		
			9			9	Hemiptera	<1	9		
			10			10			10		

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	12D12			13D13			14D14		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1	Mysidacea	100	1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	15D15			16D16		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1
			2			2
			3			3
			4			4
			5			5
			6			6
			7			7
			8			8
			9			9
			10			10

TABLE 11. Ranked percent abundance of major food items found in underyearling (0+) chinook salmon stomachs at Station 4, from trips 3 to 16.

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	3D3			4D4			5D5		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	6D6			7D7			8D8 2.6 44.2		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1	Harpacticoida	67	1
			2			2	Cladocera	27	2
			3			3	Mysidacea	1	3
			4			4	Salmonidae	1	4
			5			5	Cumacea	<1	5
			6			6	Nematoda	<1	6
			7			7	Isopoda	<1	7
			8			8	Homoptera	<1	8
			9			9	Chironomidae	<1	9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	9D9 3.8 41.6			10D10 2.6 50.6			11D11 1.7 48.5		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Chironomidae	66	1	Salmonidae	50	1	Chironomidae	70	1
	Homoptera	14	2	Mysidacea	34	2	Chelicerata	10	2
	Nematoda	6	3	Chelicerata	8	3	Plecoptera	10	3
	Plecoptera	6	4	Chironomidae	5	4	Other Diptera	10	4
	Corophium	3	5	Plecoptera	3	5			5
	Odonata	3	6			6			6
	Ephemeroptera	3	7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	12D12 3.0 58.0			13D13 3.0 66.0			14D14		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Chironomidae	89	1	Chironomidae	67	1			1
	Ephemeroptera	5	2	Coleoptera	17	2			2
	Other Diptera	5	3	Other Diptera	17	3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			8
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH:	15D15			16D16		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1
			2			2
			3			3
			4			4
			5			5
			6			6
			7			7
			8			8
			9			9
			10			10

TABLE 12. Ranked percent abundance of major food items found in underyearling (0+) chinook salmon stomachs at Station 5, from trips 3 to 16.

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	3D3			4D4			5D5		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	6D6			7D7			8D8 1.8 41.8		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1	Harpacticoida	45	1
			2			2	Cladocera	20	2
			3			3	Chironomidae	12	3
			4			4	Nematoda	12	4
			5			5	Eogammarus	4	5
			6			6	Mysidacea	2	6
			7			7	Isopoda	2	7
			8			8	Corophium	2	8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	9D9 3.0 41.7			10D10 3.3 45.7			11D11 3.5 48.5		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Chironomidae	59	1	Mysidacea	50	1	Chironomidae	75	1
	Plecoptera	9	2	Homoptera	50	2	Corophium	6	2
	Other Diptera	8	3			3	Chelicerata	6	3
	Homoptera	7	4			4	Ephemeroptera	6	4
	Eogammarus	5	5			5	Other Diptera	6	5
	Corophium	4	6			6			6
	Coleoptera	4	7			7			7
	Chelicerata	3	8			8			8
	Lepidoptera	1	9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	12D12 3.2 54.4			13D13 3.0 69.3			14D14		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Chironomidae	88	1	Mysidacea	75	1			1
	Mysidacea	5	2	Other Diptera	10	2			2
	Hymenoptera	3	3	Coleoptera	5	3			3
	Corophium	2	4	Homoptera	5	4			4
	Homoptera	2	5	Salmonidae	5	5			5
	Nematoda	<1	6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	15D15			16D16		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1
			2			2
			3			3
			4			4
			5			5
			6			6
			7			7
			8			8
			9			9
			10			10

TABLE 13. Ranked percent abundance of major food items found in underyearling (0+) chinook salmon stomachs at Station 6, from trips 3 to 16.

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	3D3			4D4			5D5		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	6D6			7D7 3.3 42.8			8D8 2.7 42.1		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1	Chironomidae	34	1	Chironomidae	39	1
			2	Cladocera	27	2	Nematoda	11	2
			3	Corophium	11	3	Homoptera	11	3
			4	Calanoida	10	4	Cladocera	7	4
			5	Mysidacea	10	5	Corophium	7	5
			6	Cumacea	3	6	Plecoptera	7	6
			7	Eogammarus	3	7	Coleoptera	7	7
			8	Paraphoxus	1	8	Harpacticoida	4	8
			9				Eogammarus	4	9
			10			10	Collembola	4	10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	9D9 3.8 41.3			10D10 3.6 49.3			11D11 3.8 55.8		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Chironomidae	87	1	Chironomidae	88	1	Chironomidae	86	1
	Plecoptera	4	2	Corophium	2	2	Other Diptera	6	2
	Homoptera	4	3	Other Diptera	2	3	Plecoptera	<3	3
	Chelicerata	<3	4	Osmeridae	2	4	Homoptera	<3	4
	Ephemeroptera	<3	5	Ephemeroptera	2	5	Lepidoptera	<3	5
			6	Plecoptera	2	6			6
			7	Mysidacea	1	7			7
			8	Chelicerata	1	8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	12D12 3.0 58.5			13D13 2.7 65.3			14D14		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Chironomidae	85	1	Chironomidae	39	1			1
	Other Diptera	8	2	Hymenoptera	24	2			2
	Plecoptera	4	3	Ephemeroptera	8	3			3
	Homoptera	3	4	Coleoptera	6	4			4
			5	Osmeridae	5	5			5
			6	Homoptera	5	6			6
			7	Mysidacea	3	7			7
			8	Chelicerata	3	8			8
			9	Plecoptera	3	9			8
			10	Trichoptera	2	10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	15D15			16D16		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1
			2			2
			3			3
			4			4
			5			5
			6			6
			7			7
			8			8
			9			9
			10			10

TABLE 14. Ranked percent abundance of major food items found in underyearling (0+) chinook salmon stomachs at Station 7, from trips 3 to 16.

TRIP:	3D3			4D4			5D5		
INDEX OF FULLNESS:									
MEAN FORKLENGTH: mm									
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP:	6D6			7D7			8D8		
INDEX OF FULLNESS:	3.0			3.8			3.1		
MEAN FORKLENGTH: mm	39.5			42.0			41.2		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Corophium	33	1	Chironomidae	49	1	Eogammarus	53	1
	Eogammarus	33	2	Eogammarus	28	2	Nematoda	13	2
	Chironomidae	33	3	Corophium	9	3	Corophium	13	3
			4	Hemiptera	6	4	Neomysis	7	4
			5	Paraphoxus	2	5	Isopoda	7	5
			6	Plecoptera	2	6	Other Fish	7	6
			7	Other Diptera	2	7			7
			8	Lepidoptera	2	8			8
			9			9			9
			10			10			10

TRIP:	9D9			10D10			11D11		
INDEX OF FULLNESS:	3.4			3.7			4.0		
MEAN FORKLENGTH: mm	42.6			45.7			47.0		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Chironomidae	94	1	Chironomidae	89	1	Chironomidae	71	1
	Eogammarus	5	2	Nematoda	<4	2	Chelicerata	13	2
	Other Diptera	1	3	Corophium	<4	3	Ephemeroptera	4	3
			4	Plecoptera	<4	4	Plecoptera	4	4
			5			5	Hymenoptera	4	5
			6			6	Lepidoptera	4	6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP:	12D12			13D13			14D14		
INDEX OF FULLNESS:	3.0			3.0			4.0		
MEAN FORKLENGTH: mm	62.0			48.0			69.0		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Chironomidae	85	1	Chironomidae	79	1	Homoptera	46	1
	Mysidacea	5	2	Homoptera	16	2	Hymenoptera	18	2
	Other Diptera	5	3	Coleoptera	5	3	Plecoptera	18	3
	Plecoptera	<3	4			4	Mysidacea	9	4
	Hymenoptera	<3	5			5	Tricoptera	9	5
			6			6			6
			7			7			7
			8			8			8
			9			9			8
			10			10			10

TRIP:	15D15			16D16		
INDEX OF FULLNESS:						
MEAN FORKLENGTH: mm						
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1
			2			2
			3			3
			4			4
			5			5
			6			6
			7			7
			8			8
			9			9
			10			10

TABLE 15. Ranked percent abundance of major food items found in yearling (1+) chinook salmon stomachs at Station 1, from trips 3 to 16.

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	3D3			4D4			5D5		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
		1			1			1	
		2			2			2	
		3			3			3	
		4			4			4	
		5			5			5	
		6			6			6	
		7			7			7	
		8			8			8	
		9			9			9	
		10			10			10	

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	6D6			7D7			8D8 2.2 91.4		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
		1			1		Coleoptera	40	1
		2			2		Corophium	20	2
		3			3		Eogammarus	20	3
		4			4		Salmonidae	20	4
		5			5				5
		6			6				6
		7			7				7
		8			8				8
		9			9				9
		10			10				10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	9D9			10D10			11D11		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
		1			1				1
		2			2				2
		3			3				3
		4			4				4
		5			5				5
		6			6				6
		7			7				7
		8			8				8
		9			9				9
		10			10				10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	12D12			13D13			14D14		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
		1			1				1
		2			2				2
		3			3				3
		4			4				4
		5			5				5
		6			6				6
		7			7				7
		8			8				8
		9			9				8
		10			10				10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	15D15			16D16		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
		1			1	
		2			2	
		3			3	
		4			4	
		5			5	
		6			6	
		7			7	
		8			8	
		9			9	
		10			10	

TABLE 16. Ranked percent abundance of major food items found in yearling (1+) chinook salmon stomachs at Station 2, from trips 3 to 16.

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	3D3			4D4			5D5		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10
TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	6D6			7D7 4.0 94			8D8 4.0 85.5		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1	Oligochaeta	94	1	Oligochaeta	95	1
			2	Cottidae	2	2	Chironomidae	4	2
			3	Chironomidae	2	3	Other Diptera	1	3
			4	Mysidacea	<1	4			4
			5	Eogammarus	<1	5			5
			6	Harpacticoida	<1	6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10
TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	9D9			10D10			11D11		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10
TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	12D12			13D13			14D14		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			8
			10			10			10
TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	15D15			16D16					
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK			
			1			1			
			2			2			
			3			3			
			4			4			
			5			5			
			6			6			
			7			7			
			8			8			
			9			9			
			10			10			

TABLE 17. Ranked percent abundance of major food items found in yearling (1+) chinook salmon stomachs at Station 3, from trips 3 to 16.

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	3D3			4D4			5D5		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	6D6			7D7			8D8		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	9D9 2.0 83			10D10			11D11		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Chironomidae	97	1			1			1
	Chelicerata	3	2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	12D12			13D13			14D14		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			8
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	15D15			16D16		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1
			2			2
			3			3
			4			4
			5			5
			6			6
			7			7
			8			8
			9			9
			10			10

TABLE 18. Ranked percent abundance of major food items found in yearling (1+) chinook salmon stomachs at Station 4, from trips 3 to 16.

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	3D3			4D4			5D5		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	6D6			7D7 4.0 98.0			8D8 2.8 74.5		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1	Oligochaeta	78	1	Nematoda	14	1
			2	Chironomidae	16	2	Corophium	14	2
			3	Mysidacea	3	3	Eogammarus	14	3
			4	Chelicerata	<1	4	Collembola	14	4
			5	Other Diptera	<1	5	Ephemeroptera	14	5
			6	Osmaridae	<1	6	Plecoptera	14	6
			7	Corophium	<1	7	Chironomidae	14	7
			8	Cottidae	<1	8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	9D9 2.0 87			10D10			11D11		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Mysidacea	100	1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	12D12			13D13			14D14		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			8
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	15D15			16D16 2.0 103.5		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1	Mysidacea	100	1
			2			2
			3			3
			4			4
			5			5
			6			6
			7			7
			8			8
			9			9
			10			10

TABLE 19. Ranked percent abundance of major food items found in yearling (1+) chinook salmon stomachs at Station 5, from trips 3 to 16.

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	3D3			4D4			5D5		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	6D6			7D7			8D8		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	9D9 2.3 103.3			10D10			11D11		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Eogammarus	20	1			1			1
	Ephemeroptera	20	2			2			2
	Coleoptera	20	3			3			3
	Chironomidae	20	4			4			4
	Other Diptera	20	5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	12D12			13D13			14D14		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	15D15			16D16		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1
			2			2
			3			3
			4			4
			5			5
			6			6
			7			7
			8			8
			9			9
			10			10

TABLE 20. Ranked percent abundance of major food items found in yearling (1+) chinook salmon stomachs at Station 6, from trips 3 to 16.

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	3D3			4D4			5D5		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	6D6			7D7			8D8 3.8 83.3		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1	Chironomidae	18	1
			2			2	Eogammarus	18	2
			3			3	Plecoptera	18	3
			4			4	Salmonidae	18	4
			5			5	Corophium	9	5
			6			6	Ephemeroptera	9	6
			7			7	Hymenoptera	9	7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	9D9			10D10 3.0 109.0			11D11		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1	Chironomidae	39	1			1
			2	Chelicerata	17	2			2
			3	Homoptera	17	3			3
			4	Corophium	6	4			4
			5	Eogammarus	6	5			5
			6	Plecoptera	6	6			6
			7	Coleoptera	6	7			7
			8	Other Diptera	6	8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH: mm	12D12 2.0 87			13D13			14D14		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Corophium	100	1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH:	15D15 2.0 97.0			16D16		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Chironomidae	67	1			1
	Mysidacea	17	2			2
	Plecoptera	17	3			3
			4			4
			5			5
			6			6
			7			7
			8			8
			9			9
			10			10

TABLE 21. Ranked percent abundance of major food items found in yearling (1+) chinook salmon stomachs at Station 7, from trips 3 to 16.

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH mm:	3D3			4D4			5D5		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH mm:	6D6			7D7			8D8 3.0 90.4		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1	Nematoda	61	1
			2			2	Eogammarus	17	2
			3			3	Odonata	<6	3
			4			4	Chironomidae	<6	4
			5			5	Salmonidae	<6	5
			6			6	Other Fish	<6	6
			7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH mm:	9D9 2.0 84.3			10D10			11D11		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Plecoptera	41	1			1			1
	Homoptera	18	2			2			2
	Hymenoptera	12	3			3			3
	Other Diptera	12	4			4			4
	Chelicerata	<6	5			5			5
	Chironomidae	<6	6			6			6
	Salmonidae	<6	7			7			7
			8			8			8
			9			9			9
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH mm:	12D12			13D13			14D14		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
			1			1			1
			2			2			2
			3			3			3
			4			4			4
			5			5			5
			6			6			6
			7			7			7
			8			8			8
			9			9			8
			10			10			10

TRIP: INDEX OF FULLNESS: MEAN FORKLENGTH mm:	15D15 3.0 89.0			16D16		
	PREY ITEM	PERCENT ABUNDANCE	RANK	PREY ITEM	PERCENT ABUNDANCE	RANK
	Mysidacea	48	1			1
	Chironomidae	33	2			2
	Eogammarus	5	3			3
	Ephemeroptera	5	4			4
	Plecoptera	5	5			5
	Coleoptera	5	6			6
			7			7
			8			8
			9			9
			10			10