



**Puget Sound Estuary Program**

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**ELLIOTT BAY ACTION PROGRAM:**  
**Analysis of Toxic Problem Areas**

FINAL REPORT

APPENDICES

July 1988

Prepared for  
U.S. Environmental Protection Agency  
Region X - Office of Puget Sound  
Seattle, Washington

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TC 3338-23  
Final Report  
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ELLIOTT BAY ACTION PROGRAM:  
ANALYSIS OF TOXIC PROBLEM AREAS

APPENDICES

Prepared by:

PTI Environmental Services  
3625 132nd Avenue SE, Suite 301  
Bellevue, WA 98006

and

Tetra Tech, Inc.  
11820 Northup Way N.E.  
Bellevue, WA 98005

For:

U.S. Environmental Protection Agency  
Region X, Office of Puget Sound  
Seattle, WA 98101

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**APPENDIX A**

**CHEMICAL AND PHYSICAL DATA COLLECTED DURING THE  
ELLIOTT BAY ACTION PROGRAM**

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## CHEMICAL AND PHYSICAL DATA COLLECTED DURING THE ELLIOTT BAY ACTION PROGRAM

Chemical and physical data collected in support of the Elliott Bay Action Program during September/October 1985 are presented in the following appendix. Data qualifiers were used to describe, clarify, or explain data values. A complete list of data qualifiers used in the Elliott Bay Action Program is provided below:

- U = The compound or element was not detected at the detection limit shown. Detection limits are generally defined as the lowest measurable concentration reliably detectable by a particular methodology.
- E = The reported concentration is an estimate. The estimated qualifier was assigned for a variety of reasons including exceedance of control limits for calibration, precision, accuracy, and holding times.
- B = Concentration was corrected for blank contribution. Blank contribution was greater than or equal to the sample value, therefore reported value is the detection limit.
- Z = Concentration was corrected for blank contribution, but still exceeded the method detection limit.
- X = This qualifier was assigned if the labeled internal standard recovery reported by the laboratory was less than 10 percent.
- L = Concentration is less than the maximum shown.
- I = This qualifier represents an incomplete sum. Data for one or more component compounds was missing.

## EXPLANATION OF MEAN CALCULATIONS

There are two circumstances under which values for a given variable were averaged in order to express a single mean value for that variable:

- When replicate analyses were performed on a grab sample (referred to as analytical replicates). For the purpose of these calculations, a grab sample may consist of homogenized sediments from two or more separate casts of the grab sampler.
- When replicate samples (unique grab samples) were collected from the same station during the same sampling effort (referred to as field replicates).

Replicate identification numbers assigned to Elliott Bay stations which had both analytical and field replicates are presented in Table A.

The following rules were used to average analytical or field replicates values:

- If a combination of analytical and field replicates exist for a single station, the mean of the analytical replicates was calculated and averaged with the values from the field replicates
- If all replicate values for a given variable were undetected, the lowest detection limit was used to represent the concentration of the variable in the sample (or at the station)
- If one or more values for a given variable were detected in a sample, then all of the detected values and detection limits were averaged, excluding any detection limits greater than the greatest detected value.

Means of replicates were reported to the same number of significant figures as the individual value with the fewest significant figures. Furthermore, when an individual station had a combination of analytical and field replicates, significant figures were retained during intermediate calculations and rounded only once, at the final step of the calculation. Two examples of hypothetical mean calculations are shown below:

TABLE A. REPLICATE IDENTIFICATION NUMBERS ASSIGNED TO SELECTED ELLIOTT BAY STATIONS APPEARING IN THE REPLICATE COLUMN OF TABLES A-1 THROUGH A-21<sup>a</sup>

Sample Collection Date	Time	Station	Sample Description	Organics TIOs/PCBs	Variable Type				Volatile
					Metals	Conven-tionals	Sulfide	Grain Size	
10-14-85	9:50	EW-05	Grab 1	1	1	1,2,3 <sup>b</sup>	1,2,3 <sup>b</sup>	1	
10-14-85	10:25	EW-05	Grab 2	2	2	4	4	2	NA <sup>c</sup>
10-14-85	10:25	EW-05	Grab 2	3	3	5	5	3	NA
10-03-85	12:00	SS-05	Grab 1	1	1	1,2,3 <sup>b</sup>	1,2,3 <sup>b</sup>	1	
10-03-85	12:00	SS-05	Grab 1	2	2	4	4	2	NA
10-03-85	12:40	SS-05	Grab 2	3	3	5	5	3,4 <sup>d</sup>	NA
10-01-85	13:25	WW-06	Grab 1	1	1	1	1	1	NA
10-01-85	13:55	WW-06	Grab 2	2	2	2	2	2	NA
10-01-85	13:55	WW-06	Grab 3	NA	NA	3	3	NA	NA
10-01-85	13:55	WW-06	Grab 4	NA	NA	4	4	NA	NA
10-12-85	10:40	PS-01	Grab 1	1	1	1	1	1	NA
10-12-85	11:55	PS-01	Grab 2	2	2	2	2	2,3 <sup>d</sup>	NA
10-12-85	11:55	PS-01	Grab 2	NA	3	3	3	4	NA

<sup>a</sup> All replicates for stations not appearing on this table should be treated as samples collected from the same grab sample (analytical replicates).

<sup>b</sup> For this variable, the laboratory ran a triplicate analysis on the grab.

<sup>c</sup> NA = Sample not analyzed for the variable.

<sup>d</sup> For this variable, the laboratory ran a duplicate analysis on the grab.

EXAMPLE 1

Replicate 1 is from grab 1 and replicates 2 and 3 are from grab 2.

<u>Station</u>	<u>Rep</u>	<u>Concentration (mg/kg)</u>
YY-01	1	16
YY-01	2	26
YY-01	3	34
YY-01	Mean	23

The mean is calculated as:

$$\text{Mean} = \left[ \left( \frac{\text{rep } 2 + \text{rep } 3}{2} \right) + \text{rep } 1 \right] / 2$$

EXAMPLE 2

Replicates 1, 2, and 3 are from grab 1 and replicates 4 and 5 are from grab 2.

<u>Station</u>	<u>Rep</u>	<u>Concentration (mg/kg)</u>
ZZ-01	1	16
ZZ-01	2	26
ZZ-01	3	34
ZZ-01	4	24
ZZ-01	5	12
ZZ-01	Mean	22

The mean is calculated as follows:

$$\text{Mean} = \left[ \left( \frac{\text{rep } 1 + \text{rep } 2 + \text{rep } 3}{3} \right) + \left( \frac{\text{rep } 4 + \text{rep } 5}{2} \right) \right] / 2$$

TABLE A-1. CONCENTRATIONS (MG/KG DRY WEIGHT) OF METALS IN ELLIOTT BAY SEDIMENTS

Station	Date	Sampling Rep	Antimony	Arsenic	Cadmium	Chromium	Copper	Iron
AB-01	09/26/85		90.5	15.5	0.67	E226	440	41000
AB-02	09/26/85		4.61	8.2	0.29	E153	54	26800
AB-03	09/26/85		1.22	2.37	0.13	E69	11.1	15900
AB-04	09/26/85		U0.29	5.42	0.13	E87	12.7	20300
DR-01	09/30/85		5.62	8.6	0.39	E73	44.6	40200
DR-02	09/30/85		16.7	18.4	1.29	E63	100	51500
DR-03	09/30/85		1.62	11	0.57	E56	44	41800
DR-04	09/30/85		18.8	15	0.5	E211	89	48500
DR-05	09/30/85		13.6	18	0.49	E78	44.3	43400
DR-06	10/09/85	1	1.30	E9.3	0.19	E119	36.5	47300
DR-06	10/09/85	2	3.58	E5.9	0.23	E82	32.7	47700
DR-06	10/09/85	3	1.53	E6.2	0.19	E74	38.1	48300
DR-06	10/09/85	Mean	2.14	E7.1	0.20	E92	35.8	47800
DR-07	09/30/85		5.62	9.9	0.3	E57	33.5	41900
DR-08	09/30/85		33.2	16.1	4.15	E86	126	53200
DR-09	09/30/85		6.35	12.7	0.49	E64	43.4	42000
DR-10	09/30/85		8.74	10.3	0.38	E51	45.6	43300
DR-11	09/30/85		66.6	26.3	0.94	E75	121	47800
DR-12	09/30/85		88.7	449	1.29	E97	386	63500
DR-13	09/30/85		24.7	15.6	0.86	E70	76.3	46400
DR-14	09/30/85		26.6	20.4	0.9	E85	91.1	48100
DR-15	09/30/85		53.8	31.1	0.98	E50	91.9	39600
DR-16	09/30/85		53.3	47.5	1.1	E66	184	53800
DR-17	09/30/85		90.0	38.6	0.91	E61	118	49200
DR-25	10/10/85		12.0	9.8	0.73	E54	79.8	39700
EW-01	10/09/85		22.9	4.7	0.2	E53	42.9	38500
EW-02	10/04/85	1	29.5	20	2.1	E135	113	45900
EW-02	10/04/85	2	30.2		2.12			
EW-02	10/04/85	3	29.8		2.12			
EW-02	10/04/85	Mean	29.8	20	2.1	E135	113	45900
EW-03	10/04/85		25.9	17.6	1.95	E94	170	44100
EW-04	10/14/85		11.7	13.3	1.07	E98	188	44200
EW-05	10/14/85	1	28.3	5.2	9.51	E213	195	29800
EW-05	10/14/85	2	25.0	4.5	26.9	E124	170	28400
EW-05	10/14/85	3	12.1	4.7	3.81	E125	379	29900
EW-05	10/14/85	Mean	23.4	4.9	12.4	E169	235	29475
EW-06	10/04/85		31.0	19.3	6.32	E135	199	46100
EW-07	10/14/85		32.2	23.7	1.11	E84	149	47800
EW-08	10/14/85	1	18.3	15.3	1.63	E125	143	49000
EW-08	10/14/85	2	18.7	16.6	1.70	E128	140	48900
EW-08	10/14/85	3	16.9	17.2	1.69	E77	140	49200
EW-08	10/14/85	Mean	18.0	16.4	1.67	E110	141	49000
EW-09	10/14/85		19.5	13.5	2.84	E84	160	47800
EW-10	10/14/85		14.2	15.2	1.2	E81	118	47700
EW-11	10/14/85		14.3	30.8	2.89	E130	130	48400
EW-12	10/15/85	1	8.75	12	0.48	E84	84.6	42000
EW-12	10/15/85	2	6.84	9.8	0.43	E74	84.9	40500

TABLE A-1. (CONTINUED)

Sampling Station	Date	Rep	Antimony	Arsenic	Cadmium	Chromium	Copper	Iron
EW-12	10/15/85	3	6.32	12	0.43	E117	82.3	40100
EW-12	10/15/85	Mean	7.30	11	0.45	E92	83.9	40900
EW-13	10/15/85	1	15.6	9.6	0.68	E68	93.8	41200
EW-13	10/15/85	2	15.0	9.4	0.64	E97	91.6	41000
EW-13	10/15/85	3	14.8	10.1	0.67	E82	92.8	42400
EW-13	10/15/85	Mean	15.1	9.7	0.66	E82	92.7	41500
EW-14	10/15/85		62.4	20.5	0.86	E123	111	42000
EW-15	10/15/85		150	56.9	1.17	E223	176	50200
EW-16	10/15/85		8.36	9.5	0.39	E43	54.7	40400
KG-01	09/25/85		101	36.2	5.19	E89	169	54600
KG-02	10/09/85		7.80	8.6	0.12	E45	30.3	39000
KG-03	09/25/85		52.0	24.4	0.93	E76	141	50100
KG-04	10/09/85		33.5	4.5	1.55	E103	70.5	31600
KG-05	09/30/85		85.8	5.3	4.1	E185	98.5	28000
KG-06	09/30/85		192	54.2	2.72	E98	140	49300
KG-07	09/30/85		128	28.1	0.82	E141	96	39900
KG-08	10/01/85		26.9	14.1	0.18	E55	42.1	40400
KG-09	10/01/85		53.5	24.4	0.72	E85	124	49800
KG-10	10/08/85		6.52	10.4	0.18	E120	87.1	43900
KG-11	10/01/85		17.7	12.2	0.22	E86	55.4	45200
MG-01	09/26/85		5.18	4.17	0.12	E254	16.3	26900
MG-02	09/26/85		1.67	5.58	0.1	E155	10.8	21800
MG-03	09/26/85		10.5	5.27	0.17	E112	12.6	20300
MG-04	09/26/85		1.57	5.29	0.08	E59	9.3	16310
NH-01	10/15/85		34.2	23.7	0.29	E97	65.5	34200
NH-02	10/15/85		110	22.8	0.52	E98	163	41000
NH-03	10/16/85		249	119	1.83	E50	2050	74200
NH-04	10/15/85		504	174	0.71	E127	1770	86500
NH-05	10/15/85		68.0	22.6	0.93	E212	163	45200
NH-06	10/16/85		26.3	19.2	3.08	E146	150	43700
NH-07	10/09/85		0.67	8.4	0.17	E32	30.4	38800
NH-08	10/16/85		14.0	8.3	2.21	E94	101	45000
NH-09	10/16/85		16.5	3.5	0.26	E154	43.9	30200
NH-10	10/08/85		64.1	13.1	0.19	E97	28.4	23500
NH-11	10/15/85		14.6	10.9	0.2	E126	75.5	34700
NS-01	10/08/85		23.9	4.9	1.14	E104	251	29000
NS-02	09/27/85		6.03	8.1	0.45	E114	63.7	33500
NS-03	10/04/85		5.05	6.2	0.48	E187	37.4	27200
NS-04	10/08/85		5.39	4.3	0.16	E97	36.5	35100
NS-05	10/04/85		6.75	6.3	0.21	E132	37.2	27200
NS-06	09/27/85		2.98	7.7	0.47	E172	32.1	23800
NS-07	10/04/85		45.7	4.5	0.6	E135	89.1	30700
NS-08	09/26/85		3.99	4.4	0.6	E157	38.6	34100
PS-01	10/12/85	1	2.66	11.6	0.14	E236	49.8	48000
PS-01	10/12/85	2	2.52	9.9	0.17	E219	49.8	49100
PS-01	10/12/85	3	3.19	9.6	0.14	E241	48	48500
PS-01	10/12/85	Mean	2.76	11	0.15	E233	49	48400

TABLE A-1. (CONTINUED)

Station	Date	Sampling Rep	Antimony	Arsenic	Cadmium	Chromium	Copper	Iron
PS-02	10/12/85		2.07	8.45	0.13	E132	26.3	30600
PS-03	10/12/85		0.92	6.41	0.11	E255	16.2	30300
PS-04	10/12/85		2.06	7.05	0.07	E147	20.0	29200
PS-05	10/15/85		2.60	4.64	0.15	E886	21.9	43500
SS-01	10/16/85		2.91	3.88	0.15	E204	46.5	36000
SS-03	10/04/85		690	584	7.16	E217	1040	101000
SS-04	10/04/85		46.9	28.5	2.8	E122	226	44800
SS-05	10/03/85	1	21.8	24.2	4.02	E140	186	41300
SS-05	10/03/85	2	13.8	24.5	4.51	E158	190	43400
SS-05	10/03/85	3	55.2	22.8	0.52	E153	179	43800
SS-05	10/03/85	Mean	36.5	23.6	2.39	E151	184	43075
SS-06	10/03/85		126	35.2	3.67	E109	214	47600
SS-07	10/03/85		54.7	37.9	2.16	E133	525	45000
SS-08	09/27/85		30.5	23.4	1.99	E95	138	33600
SS-09	09/27/85		680	81.0	17.2	E304	350	58600
SS-10	09/27/85		27.8	27.7	1.85	E1080	187	39300
SS-11	09/27/85		20.6	34.4	2.6	E163	175	41400
SS-12	09/27/85		25.5	15.9	2.26	E149	112	39200
WW-01	10/01/85		18.1	13.2	0.24	E35	77.8	45400
WW-02	10/09/85		26.1	4.4	0.5	E105	91.4	41800
WW-03	10/01/85		4.73	7.5	0.11	E72	33	41900
WW-04	10/01/85		10.2	7.9	0.45	E66	96	44500
WW-05	10/01/85		43.1	10.4	0.25	E52	59.6	40700
WW-06	10/01/85	1	37.6	21.8	1.24	E110	139	44800
WW-06	10/01/85	2	176	19.5	1.18	E125	138	57100
WW-06	10/01/85	Mean	107	20.6	1.21	E118	138	51000
WW-08	10/01/85		53.8	24	0.84	E64	185	48900
WW-09	10/02/85	1	151	42.2	1.31	E196	344	64100
WW-09	10/02/85	2	123	30.9	1.24	E209	348	64300
WW-09	10/02/85	3	146	36.9	1.23	E184	333	64100
WW-09	10/02/85	Mean	140	36.7	1.26	E196	342	64200
WW-10	10/02/85	1	39.4	16.9	0.7	E80	224	46100
WW-10	10/02/85	2	40.8	18.8	0.73	E100	241	47300
WW-10	10/02/85	3	32.8	24.2	0.7	E94	245	48600
WW-10	10/02/85	Mean	37.7	20.0	0.7	E91	237	47300
WW-11	10/02/85		153	31.6	1.23	E126	291	52700
WW-12	10/02/85		1160	239	1.45	E555	618	81100
WW-13	10/02/85	1	54.6	19.2	0.43	E77	136	42000
WW-13	10/02/85	2		19.4		E75	133	42000
WW-13	10/02/85	3		16.2		E57	128	41900
WW-13	10/02/85	Mean	54.6	18.3	0.43	E70	132	42000
WW-14	10/02/85		1370	23	3.5	E194	276	52100
WW-15	10/08/85		65.7	31.2	0.21	E178	86.2	76400
WW-16	10/02/85	1	149	24.7	0.67	E77	217	46600
WW-16	10/02/85	2	219	23.2	0.55	E87	210	44900
WW-16	10/02/85	Mean	184	24.0	0.61	E82	214	45800
WW-17	10/03/85		114	26.5	0.59	E96	265	47700

TABLE A-1. (CONTINUED)

Station	Date	Rep	Antimony	Arsenic	Cadmium	Chromium	Copper	Iron
WW-18	10/03/85	199	27.9	0.76	E118	174	45500	
WW-19	10/03/85	189	51.7	0.69	E120	1300		112000
WW-20	10/03/85	163	39.6	0.38	E67	167		40900

TABLE A-1. (CONTINUED)

Sampling Station	Date	Rep	Lead	Manganese	Nickel	Selenium	Silver	Zinc
AB-01	09/26/85		273	E867	58.4	0.29	E0.63	E322
AB-02	09/26/85		63.5	E467	45.8	0.13	E0.31	E101
AB-03	09/26/85		12.5	E349	23.4	U0.11	U0.02	E37.4
AB-04	09/26/85		12.8	E406	41.5	U0.12	E0.03	E52.3
DR-01	09/30/85		34.3	E530	25.0	0.21	E0.36	E104
DR-02	09/30/85		86.6	E564	25.2	0.36	E1.26	E266
DR-03	09/30/85		33.5	E557	26.6	0.35	E0.43	E127
DR-04	09/30/85		134	E1220	42	0.16	E1.37	E207
DR-05	09/30/85		41.9	E627	26.8	0.15	E0.43	E185
DR-06	10/09/85	1	22.8	E812	24.6	0.13	E0.24	E108
DR-06	10/09/85	2	29.9	E825	26.5	U0.12	E0.24	E112
DR-06	10/09/85	3	29.3	E877	26.5	U0.12	E0.23	E116
DR-06	10/09/85	Mean	27.3	E838	25.9	L0.12	E0.24	E112
DR-07	09/30/85		19.7	E814	22	U0.11	E0.14	E102
DR-08	09/30/85		257	E569	36.8	0.39	E1.58	E315
DR-09	09/30/85		31.6	E639	25.5	0.2	E0.35	E127
DR-10	09/30/85		50.1	E686	27.3	U0.11	E0.27	E116
DR-11	09/30/85		90.8	E591	25.5	0.2	E1.03	E273
DR-12	09/30/85		307	E683	34.8	0.34	E1.26	E969
DR-13	09/30/85		132	E601	30.3	0.11	E1.34	E178
DR-14	09/30/85		110	E601	31.2	0.19	E0.91	E204
DR-15	09/30/85		91.1	E770	31.3	0.14	E0.27	E240
DR-16	09/30/85		142	E675	32.7	0.38	E1.11	E429
DR-17	09/30/85		120	E586	34.5	0.41	E0.82	E259
DR-25	10/10/85		130	E813	26.7	0.15	E0.78	E359
EW-01	10/09/85		144	E684	28.5	U0.14	E0.056	E99.2
EW-02	10/04/85	1	187	E567	50.4	0.33	E1.98	E233
EW-02	10/04/85	2				0.31	E1.73	
EW-02	10/04/85	3				0.32	E1.68	
EW-02	10/04/85	Mean	187	E567	50.4	0.32	E1.80	E233
EW-03	10/04/85		193	E560	41.2	0.41	E1.89	E250
EW-04	10/14/85		128	E611	36.2	0.27	E1.24	E195
EW-05	10/14/85	1	503	E364	56.3	0.63	E3.65	E596
EW-05	10/14/85	2	389	E463	42.6	0.19	E3	E488
EW-05	10/14/85	3	401	E449	46	0.2	E6.12	E594
EW-05	10/14/85	Mean	449	E410	50	0.41	E4	E568
EW-06	10/04/85		249	E535	45.1	0.76	E2.11	E720
EW-07	10/14/85	*	150	E772	41.9	0.36	E1.17	E281
EW-08	10/14/85	1	166	E615	45	0.51	E2.11	E267
EW-08	10/14/85	2	160	E601	44.6	0.51	E2.06	E252
EW-08	10/14/85	3	162	E596	42.6	0.39	E2.10	E258
EW-08	10/14/85	Mean	163	E604	44	0.47	E2.09	E259
EW-09	10/14/85		137	E648	45.5	0.58	E1.01	E277
EW-10	10/14/85		125	E645	49	0.26	E1.2	E215
EW-11	10/14/85		158	E595	48.3	0.44	E1.29	E292
EW-12	10/15/85	1	88.5	E673	37.3	U0.11	E0.73	E170
EW-12	10/15/85	2	85.3	E671	30.2	0.15	E0.77	E156

TABLE A-1. (CONTINUED)

Station	Date	Rep	Lead	Manganese	Nickel	Selenium	Silver	Zinc
EW-12	10/15/85	3	87.8	E639	33.3	U0.11	E0.76	E152
EW-12	10/15/85	Mean	87.2	E661	33.6	L0.12	E0.75	E159
EW-13	10/15/85	1	99.6	E613	34.7	0.24	E1.05	E159
EW-13	10/15/85	2	99	E572	36.6	0.3	E1.13	E156
EW-13	10/15/85	3	103	E602	41.1	0.26	E1.22	E160
EW-13	10/15/85	Mean	101	E596	37.5	0.27	E1.13	E158
EW-14	10/15/85		160	E590	42.2	0.3	E1.35	E197
EW-15	10/15/85		210	E767	63.8	0.43	E1.18	E412
EW-16	10/15/85		72.3	E722	32.2	0.21	E0.41	E111
KG-01	09/25/85		239	E651	36.3	0.4	E1.54	E956
KG-02	10/09/85		25.2	E708	25.4	U0.11	E1.11	E110
KG-03	09/25/85		174	E626	30.5	0.81	E1.18	E275
KG-04	10/09/85		325	E558	36.7	U0.12	E0.53	E265
KG-05	09/30/85		500	E508	40.4	0.15	E1.08	E354
KG-06	09/30/85		162	E700	35.9	0.40	E1.99	E453
KG-07	09/30/85		154	E613	43.5	0.25	E0.53	E296
KG-08	10/01/85		53.3	E690	22.7	U0.11	E0.13	E121
KG-09	10/01/85		175	E697	31.9	0.2	E0.79	E255
KG-10	10/08/85		16	E703	34.6	0.31	E0.094	E96.1
KG-11	10/01/85		96	E795	22.6	U0.11	E0.17	E148
MG-01	09/26/85		21.8	E700	27.1	U0.12	E0.034	E53.4
MG-02	09/26/85		13.2	E537	27.2	0.13	E0.042	E44.5
MG-03	09/26/85		13.9	E485	23.8	U0.12	E0.063	E41.5
MG-04	09/26/85		10.2	E413	20.7	U0.11	E0.099	E32.7
NH-01	10/15/85		61.3	E534	41.5	U0.12	E0.24	E196
NH-02	10/15/85		113	E639	33.6	0.3	E0.52	E228
NH-03	10/16/85		550	E1040	82.4	0.49	E1.02	E1300
NH-04	10/15/85		349	E1480	46.7	0.55	E0.93	E994
NH-05	10/15/85		137	E654	48.3	0.34	E0.48	E304
NH-06	10/16/85		221	E647	44.4	0.13	E0.82	E605
NH-07	10/09/85		17.5	E639	18.2	U0.14	E0.029	E119
NH-08	10/16/85		176	E589	35.4	0.16	E0.51	E622
NH-09	10/16/85		148	E540	53.6	U0.12	E0.088	E113
NH-10	10/08/85		36.8	E653	30.3	U0.12	E0.022	E103
NH-11	10/15/85		49.9	E573	43.4	U0.14	E0.29	E105
NS-01	10/08/85		217	E525	43.5	U0.11	E8.27	E158
NS-02	09/27/85		79.6	E501	46.6	0.32	E1.43	E103
NS-03	10/04/85		49.5	E514	44.1	0.16	E0.94	E79.6
NS-04	10/08/85		31.3	E3390	37.8	U0.11	U0.019	E75.3
NS-05	10/04/85		44.6	E498	41.3	0.16	E0.6	E80.2
NS-06	09/27/85		36.4	E428	40.1	0.13	E0.38	E80.0
NS-07	10/04/85		226	E494	47.5	0.23	E0.38	E209
NS-08	09/26/85		32.5	E610	58.4	0.16	E0.27	E104
PS-01	10/12/85	1	10.4	E730	139	0.21	E0.1	E100
PS-01	10/12/85	2	11.8	E767	141	0.23	E0.14	E99.7
PS-01	10/12/85	3	13	E755	140	0.24	E0.11	E105
PS-01	10/12/85	Mean	11	E746	140	0.22	E0.1	E101

TABLE A-1. (CONTINUED)

Sampling Station	Date	Rep	Lead	Manganese	Nickel	Selenium	Silver	Zinc
PS-02	10/12/85		8.5	E501	82.1	0.15	E0.056	E63.5
PS-03	10/12/85		9.7	E570	66.1	U0.14	U0.02	E60.8
PS-04	10/12/85		7.2	E519	63.2	U0.14	U0.02	E57.2
PS-05	10/15/85		7.2	E1030	102	U0.14	U0.02	E63.9
SS-01	10/16/85		21.9	E589	58.5	U0.12	E0.1	E65.3
SS-03	10/04/85		646	E1070	45	0.70	E2.67	E4830
SS-04	10/04/85		395	E485	47.6	0.9	E3.02	E371
SS-05	10/03/85	1	310	E474	55.7	0.7	E6.92	E322
SS-05	10/03/85	2	317	E492	54.9	0.98	E5.32	E319
SS-05	10/03/85	3	321	E479	54.7	0.9	E5.58	E321
SS-05	10/03/85	Mean	317	E481	55.0	0.9	E5.85	E321
SS-06	10/03/85		306	E442	57.4	0.93	E4.72	E422
SS-07	10/03/85		445	E446	57.8	0.88	E5.85	E344
SS-08	09/27/85		282	E258	34.4	0.89	E1.99	E244
SS-09	09/27/85		71100	E486	73	0.72	E2.02	E6010
SS-10	09/27/85		293	E477	366	0.71	E2.15	E348
SS-11	09/27/85		299	E496	57.6	0.69	E4.31	E281
SS-12	09/27/85		194	E572	70.2	0.39	E4.98	E201
WW-01	10/01/85		142	E833	25.5	U0.11	E0.18	E171
WW-02	10/09/85		232	E894	41.1	U0.14	E0.35	E266
WW-03	10/01/85		42.2	E764	26	U0.12	E0.061	E108
WW-04	10/01/85		119	E742	24.8	U0.11	E0.59	E159
WW-05	10/01/85		58.4	E692	24.8	U0.11	E0.14	E137
WW-06	10/01/85	1	237	E587	48.2	0.34	E0.63	E296
WW-06	10/01/85	2	424	E623	49.4	0.32	E0.62	E393
WW-06	10/01/85	Mean	330	E605	48.8	0.33	E0.62	E344
WW-08	10/01/85		249	E782	37.3	0.34	E1.19	E253
WW-09	10/02/85	1	700	E758	49.5	0.89	E1.18	E538
WW-09	10/02/85	2	706	E761	47.7	0.63	E1.06	E552
WW-09	10/02/85	3	718	E734	47.1	0.71	E1.23	E526
WW-09	10/02/85	Mean	708	E751	48.1	0.74	E1.16	E539
WW-10	10/02/85	1	459	E630	46.9	0.26	E0.73	E292
WW-10	10/02/85	2	470	E628	32.5	0.34	E0.71	E290
WW-10	10/02/85	3	480	E689	35.1	0.23	E0.73	E301
WW-10	10/02/85	Mean	470	E649	38.2	0.28	E0.72	E294
WW-11	10/02/85		721	E714	42.8	0.55	E0.79	E471
WW-12	10/02/85		1180	E1490	100	0.65	E2.64	E1170
WW-13	10/02/85	1	135	E679	28.8	0.27	E0.48	E191
WW-13	10/02/85	2	112	E655	25.6			E191
WW-13	10/02/85	3	120	E679	29.4			E187
WW-13	10/02/85	Mean	122	E671	27.9	0.27	E0.48	E190
WW-14	10/02/85		8730	E680	45.8	0.5	E0.7	E431
WW-15	10/08/85		136	E1620	49.1	U0.11	E0.083	E253
WW-16	10/02/85	1	222	E663	29.2	0.33	E0.75	E274
WW-16	10/02/85	2	213	E635	30.1	0.24	E0.28	E262
WW-16	10/02/85	Mean	218	E649	29.6	0.28	E0.52	E268
WW-17	10/03/85		223	E729	34.1	0.27	E0.56	E297

TABLE A-1. (CONTINUED)

Sampling Station	Date	Rep	Lead	Manganese	Nickel	Selenium	Silver	Zinc
WW-18	10/03/85	339	E674	27.3	0.26	E0.55	E368	
WW-19	10/03/85	275	E2360	56	0.59	E1.24	E705	
WW-20	10/03/85	101	E680	22.7	0.18	E0.36	E259	

TABLE A-1. (CONTINUED)

Sampling Station	Date	Rep	Mercury
AB-01	09/26/85		E28.8
AB-02	09/26/85		E0.236
AB-03	09/26/85		E0.04
AB-04	09/26/85		E0.03
DR-01	09/30/85		E0.12
DR-02	09/30/85		E0.25
DR-03	09/30/85		E0.11
DR-04	09/30/85		E0.129
DR-05	09/30/85		E0.090
DR-06	10/09/85	1	E0.132
DR-06	10/09/85	2	E0.188
DR-06	10/09/85	3	E0.102
DR-06	10/09/85	Mean	E0.141
DR-07	09/30/85		E0.059
DR-08	09/30/85		E0.605
DR-09	09/30/85		E0.113
DR-10	09/30/85		E0.317
DR-11	09/30/85		E0.255
DR-12	09/30/85		E0.288
DR-13	09/30/85		E0.305
DR-14	09/30/85		E0.318
DR-15	09/30/85		E0.213
DR-16	09/30/85		E0.378
DR-17	09/30/85		E0.325
DR-25	10/10/85		E0.094
EW-01	10/09/85		E0.053
EW-02	10/04/85	1	E0.772
EW-02	10/04/85	2	E0.695
EW-02	10/04/85	3	E0.680
EW-02	10/04/85	Mean	E0.716
EW-03	10/04/85		E0.676
EW-04	10/14/85		E0.486
EW-05	10/14/85	1	E4.62
EW-05	10/14/85	2	E2.14
EW-05	10/14/85	3	E3.91
EW-05	10/14/85	Mean	E3.82
EW-06	10/04/85		E0.793
EW-07	10/14/85		E0.419
EW-08	10/14/85	1	E0.667
EW-08	10/14/85	2	E0.565
EW-08	10/14/85	3	E0.543
EW-08	10/14/85	Mean	E0.592
EW-09	10/14/85		E0.569
EW-10	10/14/85		E0.533
EW-11	10/14/85		E0.782
EW-12	10/15/85	1	E0.303
EW-12	10/15/85	2	E0.300

TABLE A-1. (CONTINUED)

<u>Sampling</u>				
<u>Station</u>	<u>Date</u>	<u>Rep</u>	<u>Mercury</u>	
EW-12	10/15/85	3	E0.289	
EW-12	10/15/85	Mean	E0.297	
EW-13	10/15/85	1	E0.392	
EW-13	10/15/85	2	E0.387	
EW-13	10/15/85	3	E0.371	
EW-13	10/15/85	Mean	E0.383	
EW-14	10/15/85		E0.574	
EW-15	10/15/85		E0.490	
EW-16	10/15/85		E0.219	
KG-01	09/25/85		E0.478	
KG-02	10/09/85		E0.028	
KG-03	09/25/85		E0.402	
KG-04	10/09/85		E0.256	
KG-05	09/30/85		E1.63	
KG-06	09/30/85		E0.462	
KG-07	09/30/85		E0.204	
KG-08	10/01/85		E0.074	
KG-09	10/01/85		E0.369	
KG-10	10/08/85		E0.061	
KG-11	10/01/85		E0.115	
MG-01	09/26/85		E0.222	
MG-02	09/26/85		E0.033	
MG-03	09/26/85		E0.037	
MG-04	09/26/85		E0.185	
NH-01	10/15/85		E0.223	
NH-02	10/15/85		E0.565	
NH-03	10/16/85		E10.5	
NH-04	10/15/85		E0.866	
NH-05	10/15/85		E0.426	
NH-06	10/16/85		E0.675	
NH-07	10/09/85		E0.019	
NH-08	10/16/85		E0.265	
NH-09	10/16/85		E0.094	
NH-10	10/08/85		E0.031	
NH-11	10/15/85		E0.215	
NS-01	10/08/85		E0.405	
NS-02	09/27/85		E0.440	
NS-03	10/04/85		E0.254	
NS-04	10/08/85		E0.038	
NS-05	10/04/85		E0.157	
NS-06	09/27/85		E0.128	
NS-07	10/04/85		E0.662	
NS-08	09/26/85		E0.132	
PS-01	10/12/85	1	E0.087	
PS-01	10/12/85	2	E0.113	
PS-01	10/12/85	3	E0.154	
PS-01	10/12/85	Mean	E0.110	

TABLE A-1. (CONTINUED)

Sampling Station	Date	Rep	Mercury
PS-02	10/12/85		E0.054
PS-03	10/12/85		E0.029
PS-04	10/12/85		E0.015
PS-05	10/15/85		E0.012
SS-01	10/16/85		E0.054
SS-03	10/04/85		E0.905
SS-04	10/04/85		E1.85
SS-05	10/03/85	1	E1.47
SS-05	10/03/85	2	E1.97
SS-05	10/03/85	3	E1.64
SS-05	10/03/85	Mean	E1.68
SS-06	10/03/85		E1.86
SS-07	10/03/85		E2.13
SS-08	09/27/85		E1.72
SS-09	09/27/85		E3.89
SS-10	09/27/85		E1.32
SS-11	09/27/85		E1.31
SS-12	09/27/85		E1.42
WW-01	10/01/85		E0.14
WW-02	10/09/85		E0.081
WW-03	10/01/85		E0.027
WW-04	10/01/85		E0.285
WW-05	10/01/85		E0.382
WW-06	10/01/85	1	E0.531
WW-06	10/01/85	2	E0.452
WW-06	10/01/85	Mean	E0.492
WW-08	10/01/85		E0.566
WW-09	10/02/85	1	E0.825
WW-09	10/02/85	2	E0.816
WW-09	10/02/85	3	E0.755
WW-09	10/02/85	Mean	E0.799
WW-10	10/02/85	1	E0.840
WW-10	10/02/85	2	E0.790
WW-10	10/02/85	3	E0.798
WW-10	10/02/85	Mean	E0.809
WW-11	10/02/85		E0.928
WW-12	10/02/85		E0.621
WW-13	10/02/85	1	E0.587
WW-13	10/02/85	2	
WW-13	10/02/85	3	
WW-13	10/02/85	Mean	E0.587
WW-14	10/02/85		E1.12
WW-15	10/08/85		E0.041
WW-16	10/02/85	1	E1.01
WW-16	10/02/85	2	E0.932
WW-16	10/02/85	Mean	E0.971
WW-17	10/03/85		E0.716

TABLE A-1. (CONTINUED)

<u>Station</u>	<u>Sampling Date</u>	<u>Rep</u>	<u>Mercury</u>
WW-18	10/03/85		E1.63
WW-19	10/03/85		E0.739
WW-20	10/03/85		E0.776

TABLE A-2. CONCENTRATION (UG/KG DRY WEIGHT) OF VOLATILE ORGANIC COMPOUNDS IN ELLIOTT BAY SEDIMENTS: HALOGENATED ALKANES I

Station	Sampling Rep	Date	chloro-methane	bromo-methane	chloro-ethane	1,1-di-chloro-ethane	chloro-form	1,2-di-chloro-ethane
AB-04		09/26/85	U1	U1	U3	U0.7	U0.1	U0.7
DR-02		09/30/85	U2	U2	U5	U1.2	U0.7	U1.2
DR-08		09/30/85	U2	U2	U5	U1.1	U0.5	U1.1
DR-12		09/30/85	U2	U2	U4	U1.0	U0.4	U1.0
DR-13		09/30/85	U2	U2	U4	U0.9	U0.5	U0.9
DR-15		09/30/85	U3	U3	U6	U1.6	U0.3	U1.6
EW-05		10/14/85	U3	U3	U6	U1.5	U0.6	U1.5
EW-06		10/04/85	U3	U3	U5	U1.3	U0.3	U1.3
EW-09		10/14/85	U2	U2	U4	U1.0	U0.4	U1.0
EW-13		10/15/85	U2	U2	U4	U0.9	U0.4	U0.9
KG-01		09/25/85	U2	U2	U5	U1.1	U0.2	U1.1
KG-05		09/30/85	U1	U1	U3	E1.1	U1.7	U0.7
MG-03		09/26/85	U1	U1	U3	U0.7	U0.1	U0.7
NH-01		10/15/85	U1	U1	U3	U0.7	U0.1	U0.7
NH-03		10/16/85	U2	U2	U5	U1.2	U0.2	U1.2
NH-06		10/16/85	U2	U2	U4	U1.1	U0.2	U1.1
NH-08		10/16/85	U2	U2	U3	U0.9	U0.2	U0.9
NS-01		10/08/85	U1	U1	U2	U0.6	U0.2	U0.6
NS-05		10/04/85	U1	U1	U3	U0.7	U0.1	U0.7
NS-06		09/27/85	U1	U1	U3	U0.7	U0.3	U0.7
SS-03		10/04/85	U2.6	U2	U4	U0.9	U0.2	U0.9
SS-05		10/03/85	U3	U3	U5	U1.3	U0.8	U1.3
SS-06		10/03/85	U3	U3	U6	U1.6	U0.3	U1.6
SS-12		09/27/85	U2	U2	U4	U1.0	U0.2	U1.0
WW-01		10/01/85	U1	U1	U3	U0.7	U0.3	U0.7
WW-11		10/02/85	U3	U3	U7	U1.7	U2.0	U1.7
WW-16 1		10/02/85	U3.0	U2	U4	U0.9	U0.4	U0.9
WW-16 2		10/02/85	U2.6	U2	U4	U0.9	U0.2	U0.9
WW-16 Mean		10/02/85	U2.6	U2	U4	U0.9	U0.2	U0.9
WW-18		10/03/85	U2.8	U2	U3	U0.8	U0.2	U0.8

TABLE A-3. CONCENTRATION (UG/KG DRY WEIGHT) OF VOLATILE ORGANIC COMPOUNDS IN ELLIOTT BAY SEDIMENTS: HALOGENATED ALKANES II

Station	Sampling Rep	Date	tetra-chloride	carbon	bromo-di-methane	1,2-di-chloro-methane	di-chloro-propane	bromo-chloro-methane	1,1,2-tri-chloro-ethane	1,1,2,2-tetra-chloro-bromoform	ethane
AB-04		09/26/85	U1.0	U0.7	U3		U1.1	U1.1	U1		U0.6
DR-02		09/30/85	U1.7	U1.2	U5		U1.9	U1.9	U2		U0.9
DR-08		09/30/85	U1.6	U1.1	U5		U1.8	U1.8	U2		U0.9
DR-12		09/30/85	U1.4	U1.0	U4		U1.6	U1.6	U2		U0.8
DR-13		09/30/85	U1.3	U0.9	U4		U1.4	U1.4	U2		U0.7
DR-15		09/30/85	U2.2	U1.6	U6		U2.6	U2.6	U3		U1.3
EW-05		10/14/85	U2.1	U1.5	U6		U2.4	U2.4	U3		U1.2
EW-06		10/04/85	U1.8	U1.3	U5		U2.0	U2.0	U3		U1.0
EW-09		10/14/85	U1.3	U1.0	U4		U1.5	U1.5	U2		U0.8
EW-13		10/15/85	U1.3	U0.9	U4		U1.4	U1.4	U2		U0.7
KG-01		09/25/85	U1.6	U1.1	U5		U1.8	U1.8	U2		U0.9
KG-05		09/30/85	U1.0	U0.7	U3		U1.1	U1.1	U1		U0.6
MG-03		09/26/85	U0.9	U0.7	U3		U1.1	U1.1	U1		U0.5
NH-01		10/15/85	U1.0	U0.7	U3		U1.1	U1.1	U1		U0.6
NH-03		10/16/85	U1.7	U1.2	U5		U1.9	U1.9	U2		U1.0
NH-06		10/16/85	U1.5	U1.1	U4		U1.7	U1.7	U2		U0.8
NH-08		10/16/85	U1.2	U0.9	U3		U1.4	U1.4	U2		U0.7
NS-01		10/08/85	U0.8	U0.6	U2		U1.0	U1.0	U1		U0.5
NS-05		10/04/85	U1.0	U0.7	U3		U1.2	U1.2	U1		U0.6
NS-06		09/27/85	U1.0	U0.7	U3		U1.1	U1.1	U1		U0.6
SS-03		10/04/85	U1.2	U0.9	U4		U1.4	U1.4	U2		U0.7
SS-05		10/03/85	U1.9	U1.3	U5		U2.1	U2.1	U3		U1.1
SS-06		10/03/85	U2.2	U1.6	U6		U2.6	U2.6	U3		U1.3
SS-12		09/27/85	U1.4	U1.0	U4		U1.6	U1.6	U2		U0.8
WW-01		10/01/85	U1.0	U0.7	U3		U1.1	U1.1	U1		U0.6
WW-11		10/02/85	U2.3	U1.7	U7		U2.7	U2.7	U3		U1.3
WW-16 1		10/02/85	U1.3	U0.9	U4		U1.5	U1.5	U2		U0.7
WW-16 2		10/02/85	U1.3	U0.9	U4		U1.5	U1.5	U2		U0.7
WW-16 Mean		10/02/85	U1.3	U0.9	U4		U1.5	U1.5	U2		U0.7
WW-18		10/03/85	U1.1	U0.8	U3		U1.2	U1.2	U2		U0.6

TABLE A-4. CONCENTRATION (UG/KG DRY WEIGHT) OF VOLATILE ORGANIC COMPOUNDS IN ELLIOTT BAY SEDIMENTS: HALOGENATED ALKENES

Station	Sampling Rep	Date	vinyl chloride	1,1-di-chloro-ethene	trans-1,2-di-chloro-ethene	trans-1,3-di-chloro-propene	cis-1,3-di-chloro-propene	tri-chloro-ethene	tetra-chloro-ethene
AB-04		09/26/85	U0.6	U1	U1	U1	U0.4	U1.1	U1.3
DR-02		09/30/85	U0.9	U2	U2	U2	U0.7	U1.9	U2.1
DR-08		09/30/85	U0.9	U2	U2	U2	U0.7	U1.8	U2.1
DR-12		09/30/85	U0.8	U2	U2	U2	U0.6	U1.6	U0.6
DR-13		09/30/85	U0.7	U2	U2	U2	U0.5	E1.3	U1.3
DR-15		09/30/85	U1.3	U3	U3	U3	U1.0	U2.6	U2.9
EW-05		10/14/85	U1.2	U3	U3	U3	U0.9	U2.4	U2.7
EW-06		10/04/85	U1.0	U3	U3	U3	U0.8	U2.0	U2.3
EW-09		10/14/85	U0.8	U2	U2	U2	U0.6	E3.4	U1.1
EW-13		10/15/85	U0.7	U2	U2	U2	U0.5	U1.4	U1.6
KG-01		09/25/85	U0.9	U2	U2	U2	U0.7	U1.8	U2.1
KG-05		09/30/85	U0.6	U1	E8.9	U1	U0.4	E3.3	ZE8.3
MG-03		09/26/85	U0.5	U1	U1	U1	U0.4	U1.1	U1.2
NH-01		10/15/85	U0.6	U1	U1	U1	U0.4	U1.1	U1.3
NH-03		10/16/85	U1.0	U2	U2	U2	U0.7	U1.9	U0.7
NH-06		10/16/85	U0.8	U2	U2	U2	U0.6	U1.7	U1.9
NH-08		10/16/85	U0.7	U2	U2	U2	U0.5	U1.4	U0.5
NS-01		10/08/85	U0.5	U1	U1	U1	U0.4	E0.5	U1.1
NS-05		10/04/85	U0.6	U1	U1	U1	U0.4	U1.2	U1.3
NS-06		09/27/85	U0.6	U1	U1	U1	U0.4	U1.1	U1.3
SS-03		10/04/85	U0.7	U2	U2	U2	U0.5	U1.4	U1.6
SS-05		10/03/85	U1.1	U3	E0.8	U3	U0.8	U2.1	U2.7
SS-06		10/03/85	U1.3	U3	U3	U3	U1.0	E1.0	U2.9
SS-12		09/27/85	U0.8	U2	U2	U2	U0.6	U1.6	U1.8
WW-01		10/01/85	U0.6	U1	U1	U1	U0.4	U1.1	U0.1
WW-11		10/02/85	U1.3	U3	U3	U3	U1.0	U2.7	U1.7
WW-16 1		10/02/85	U0.7	E0.2	U2	U2	U0.6	U1.5	U0.2
WW-16 2		10/02/85	U0.7	U2	U2	U2	U0.6	U1.5	U0.2
WW-16 Mean		10/02/85	U0.7	E0.2	U2	U2	U0.6	U1.5	U0.2
WW-18		10/03/85	U0.6	U2	U2	U2	U0.5	E0.8	U1.4

TABLE A-5. CONCENTRATION (UG/KG DRY WEIGHT) OF VOLATILE ORGANIC COMPOUNDS IN ELLIOTT BAY SEDIMENTS: AROMATIC HYDROCARBONS

Station	Rep	Sampling Date	benzene	toluene	ethyl-benzene	total xylenes
AB-04		09/26/85	U3.3	B4	U0.7	E0.7
DR-02		09/30/85	U3.1	U5.4	U2.6	U5.2
DR-08		09/30/85	U3.0	U4.8	U1.1	E11
DR-12		09/30/85	U2.3	U3.1	B6	E31
DR-13		09/30/85	U3.4	ZE9.8	U3.4	E4.1
DR-15		09/30/85	U6.1	U8.6	U4.2	E6.4
EW-05		10/14/85	U4.3	U4.9	U4.0	U1.5
EW-06		10/04/85	U3.3	U4.0	U3.0	E5.0
EW-09		10/14/85	U2.1	U2.9	U2.5	E2.9
EW-13		10/15/85	U2.0	U1.4	U0.9	E1.4
KG-01		09/25/85	U3.2	U6.9	U2.5	E7.8
KG-05		09/30/85	U4.0	ZE54	U3.4	E14
MG-03		09/26/85	U2.8	B4	U0.7	U0.7
NH-01		10/15/85	U0.3	U2.1	U1.8	E1.1
NH-03		10/16/85	U2.9	U4.6	B7	E63
NH-06		10/16/85	U2.8	U3.6	U1.1	E1.1
NH-08		10/16/85	U1.9	U2.3	ZE10	E14
NS-01		10/08/85	U1.2	U0.6	U1.7	
NS-05		10/04/85	U1.6	U1.8	U1.5	E0.1
NS-06		09/27/85	B4	ZE7	U1.6	E2.0
SS-03		10/04/85	B5	B5	B5	E35
SS-05		10/03/85	U4.8	U6.4	B8.0	E40
SS-06		10/03/85	U3.8	U4.8	U3.2	E4.5
SS-12		09/27/85	U4.9	B6	U2.1	E3.5
WW-01		10/01/85	U1.0	U3	U1.4	E1.0
WW-11		10/02/85	U7.0	B10	U9.7	E64
WW-16 1		10/02/85	U1.7	U3.6	U2.1	E6.0
WW-16 2		10/02/85	U1.5	B6	U2.8	
WW-16 Mean		10/02/85	U1.5	U3.6	U2.1	E6.0
WW-18		10/03/85	U1.7	U2.2	U1.9	E2.6

TABLE A-6. CONCENTRATION (UG/KG DRY WEIGHT) OF VOLATILE ORGANIC COMPOUNDS IN ELLIOTT BAY SEDIMENTS: CHLORINATED AROMATIC HYDROCARBONS

Station	Rep	Sampling Date	chloro-benzene
AB-04		09/26/85	U0.4
DR-02		09/30/85	U0.7
DR-08		09/30/85	U0.7
DR-12		09/30/85	U2.3
DR-13		09/30/85	U1.1
DR-15		09/30/85	U1.0
EW-05		10/14/85	U2.1
EW-06		10/04/85	U0.5
EW-09		10/14/85	U0.6
EW-13		10/15/85	U0.4
KG-01		09/25/85	U0.7
KG-05		09/30/85	ZE26
MG-03		09/26/85	U0.4
NH-01		10/15/85	U0.4
NH-03		10/16/85	ZE9.5
NH-06		10/16/85	U0.2
NH-08		10/16/85	U1.0
NS-01		10/08/85	U0.4
NS-05		10/04/85	U0.4
NS-06		09/27/85	U0.4
SS-03		10/04/85	U0.5
SS-05		10/03/85	U0.8
SS-06		10/03/85	U1.0
SS-12		09/27/85	U0.6
WW-01		10/01/85	U0.4
WW-11		10/02/85	U2.7
WW-16	1	10/02/85	U0.2
WW-16	2	10/02/85	U0.2
WW-16	Mean	10/02/85	U0.2
WW-18		10/03/85	U0.3

TABLE A-7. CONCENTRATION (UG/KG DRY WEIGHT) OF VOLATILE ORGANIC COMPOUNDS IN ELLIOTT BAY SEDIMENTS: UNSATURATED CARBONYL COMPOUNDS

Station	Sampling Rep	Date	acrolein	acrylo-nitrile
AB-04		09/26/85	U14	U7
DR-02		09/30/85	U24	U10
DR-08		09/30/85	U23	U10
DR-12		09/30/85	U20	U10
DR-13		09/30/85	U18	U9
DR-15		09/30/85	U32	U20
EW-05		10/14/85	U30	U20
EW-06		10/04/85	U25	U10
EW-09		10/14/85	U19	U10
EW-13		10/15/85	U18	U9
KG-01		09/25/85	U23	U10
KG-05		09/30/85	U14	U7
MG-03		09/26/85	U13	U7
NH-01		10/15/85	U14	U7
NH-03		10/16/85	U24	U10
NH-06		10/16/85	U21	U10
NH-08		10/16/85	U17	U9
NS-01		10/08/85	U12	U6
NS-05		10/04/85	U15	U7
NS-06		09/27/85	U14	U7
SS-03		10/04/85	U18	U9
SS-05		10/03/85	U27	U10
SS-06		10/03/85	U32	U20
SS-12		09/27/85	U21	U10
WW-01		10/01/85	U14	U7
WW-11		10/02/85	U33	U20
WW-16	1	10/02/85	U19	U9
WW-16	2	10/02/85	U19	U9
WW-16	Mean	10/02/85	U19	U9
WW-18		10/03/85	U16	U8

TABLE A-8. CONCENTRATION (UG/KG DRY WEIGHT) OF VOLATILE ORGANIC COMPOUNDS IN ELLIOTT BAY SEDIMENTS: ETHERS

Station	Sampling Rep	Date	2-chloro-ethyl-vinyl-ether
AB-04		09/26/85	U7
DR-02		09/30/85	U10
DR-08		09/30/85	U10
DR-12		09/30/85	U10
DR-13		09/30/85	U9
DR-15		09/30/85	U20
EW-05		10/14/85	U20
EW-06		10/04/85	U10
EW-09		10/14/85	U10
EW-13		10/15/85	U9
KG-01		09/25/85	U10
KG-05		09/30/85	U7
MG-03		09/26/85	U7
NH-01		10/15/85	U7
NH-03		10/16/85	U10
NH-06		10/16/85	U10
NH-08		10/16/85	U9
NS-01		10/08/85	U6
NS-05		10/04/85	U7
NS-06		09/27/85	U7
SS-03		10/04/85	U9
SS-05		10/03/85	U10
SS-06		10/03/85	U20
SS-12		09/27/85	U10
WW-01		10/01/85	U7
WW-11		10/02/85	U20
WW-16	1	10/02/85	U9
WW-16	2	10/02/85	U9
WW-16	Mean	10/02/85	U9
WW-18		10/03/85	U8

TABLE A-9. CONCENTRATIONS (UG/KG DRY WEIGHT) OF EXTRACTABLE ORGANIC COMPOUNDS IN ELLIOTT BAY SEDIMENTS: PHENOL AND ALKYL- SUBSTITUTED PHENOLS

Station	Rep	Sampling Date	phenol	2-methyl-phenol	4-methyl-phenol	2,4-di-methyl-phenol
AB-01		09/26/85	XE150	U7.4	E41	U8.9
AB-02		09/26/85	XE12	U14	U14	U14
AB-03		09/26/85	E11	U4.9	U4.9	U6.0
AB-04		09/26/85	U25	U26	U27	U10
DR-01		09/30/85	U1.9	U3.7	U3.7	U3.6
DR-02		09/30/85	U3.0	U5.2	U5.2	U5.8
DR-03		09/30/85	U3.5	U4.3	U4.4	U3.8
DR-04		09/30/85	U2.8	U3.8	U3.9	U4.7
DR-05		09/30/85	U7.6	U9.6	U9.7	U6.4
DR-06		10/09/85	B95	U56	U56	U130
DR-07		09/30/85	E21	U3.4	U3.5	U3.9
DR-08		09/30/85	E78	U5.0	E60	U4.6
DR-09		09/30/85	E22	U3.0	E34	U2.6
DR-10		09/30/85	E22	U4.8	E38	U3.0
DR-11		09/30/85	E30	U4.8	E31	U3.4
DR-12		09/30/85	E60	U6.1	E42	U6.2
DR-13		09/30/85	E31	U4.8	E25	U5.1
DR-14		09/30/85	E80	U4.1	E26	U4.0
DR-15		09/30/85	U2.9	U5.8	U5.8	U7.4
DR-16		09/30/85	E67	U5.0	E38	U5.5
DR-17		09/30/85	E31	U4.2	E24	U4.3
DR-25		10/10/85	X1200	E280	1100	U22
EW-01		10/09/85	B56	U39	U39	U320
EW-02		10/04/85	U3.5	U7.1	U7.1	U110
EW-03		10/04/85	U2.1	U6.7	U6.7	U6.0
EW-04		10/14/85	U1200	U1800	U1800	U6900
EW-05	1	10/14/85	U2100	U3300	U3300	U710
EW-05	2	10/14/85	U1200	U630	U630	U7000
EW-05	3	10/14/85	U1200	U1000	U1000	U7500
EW-05	Mean	10/14/85	U1200	U630	U630	U710
EW-06		10/04/85	U5.4	U8.8	U8.8	U6.4
EW-07		10/14/85	U1300	U2000	U2000	U1800
EW-08		10/14/85	U1400	U2300	U2300	U2100
EW-09		10/14/85	U1100	U900	U900	U600
EW-10		10/14/85	U1200	U290	U290	U290
EW-11		10/14/85	U1200	U1000	U1000	U810
EW-12		10/15/85	U44	U70	U70	U37
EW-13		10/15/85	U82	U130	U130	U37
EW-14		10/15/85	U64	U100	U100	U380
EW-15		10/15/85	U70	U110	U110	U420
EW-16		10/15/85	U53	U85	U86	U320
KG-01		09/25/85	U5.3	U8.7	U8.7	U9.8
KG-02		10/09/85	U150	U280	U280	U230
KG-03		09/25/85	U10	U14	U14	U22
KG-04		10/09/85	U280	U700	U700	U730

TABLE A-9. (CONTINUED)

Station	Rep	Sampling Date	phenol	2-methyl-phenol	4-methyl-phenol	2,4-di-methyl-phenol
KG-05		09/30/85	U930	U1500	U1500	U5500
KG-06		09/30/85	U1000	U800	U800	U6000
KG-07		09/30/85	U1200	U1900	U1900	U6900
KG-08		10/01/85	XE30	U5.2	E21	U290
KG-09		10/01/85	U3.5	U7.7	E1500	U370
KG-10		10/08/85	E400	U170	U170	U170
KG-11		10/01/85	XE26	U11	E610	U290
MG-01		09/26/85	U46	U24	U25	U11
MG-02		09/26/85	U15	U18	U18	U9.6
MG-03		09/26/85	U46	U74	U74	U270
MG-04		09/26/85	U46	U25	U25	U12
NH-01		10/15/85	U47	U75	U76	U20
NH-02		10/15/85	U7.1	U18	U19	U13
NH-03		10/16/85	E61	U8.6	U8.6	U6.9
NH-04		10/15/85	E110	E240	E1000	E39
NH-05		10/15/85	U3.8	U8.8	U8.9	U5.8
NH-06		10/16/85	U1.9	U5.7	E170	U3.9
NH-07		10/09/85	B82	U60	U60	U350
NH-08		10/16/85	U1.7	U6.5	U6.5	U5.1
NH-09		10/16/85	U3.8	U6.1	U6.2	U270
NH-10		10/08/85	U6.7	U16	U16	U16
NH-11		10/15/85	E15	U3.2	U3.3	U3.0
NS-01		10/08/85	U6.0	U13	E37	U17
NS-02		09/27/85	U1200	U1900	U1900	U7100
NS-03		10/04/85	U1.8	U3.4	E31	U13
NS-04		10/08/85	XE14	U9.6	E1300	U9.7
NS-05		10/04/85	U2.4	U4.0	E8.6	U5.1
NS-06		09/27/85	U920	U1500	U1500	U5400
NS-07		10/04/85	E110	U9.8	U9.9	U7.6
NS-08		09/26/85	U32	U50	U50	U26
PS-01	1	10/12/85	XE23	U14	E2	U17
PS-01	2	10/12/85	E13	U11	U11	U14
PS-01	Mean	10/12/85	XE18	U11	E2	U14
PS-02		10/12/85	U4.3	U5.6	U5.7	U9.1
PS-03		10/12/85	XE33	U3.3	E5.1	U4.7
PS-04		10/12/85	U3.3	U8.2	U8.3	U9.7
PS-05		10/15/85	E400	U48	U52	U47
SS-01		10/16/85	U1.6	U4.6	U4.6	U4.7
SS-03		10/04/85	E27	U4.4	E160	U3.7
SS-04		10/04/85	U9.5	U25	E310	U15
SS-05	1	10/03/85	U10	U35	U38	U15
SS-05	2	10/03/85	U22	U35	U35	U18
SS-05	3	10/03/85	U1200	U480	U480	U480
SS-05	Mean	10/03/85	U10	U35	U35	U15
SS-06		10/03/85	E0.9	U23	E240	U15
SS-07		10/03/85	XE0.9	U140	E15	E210

TABLE A-9. (CONTINUED)

Station	Sampling Rep	Date	phenol	2-methyl-phenol	4-methyl-phenol	2,4-di-methyl-phenol
SS-08		09/27/85	U970	U2400	U2400	U1600
SS-09		09/27/85	E440	U170	U170	U160
SS-10		09/27/85	U700	U1100	U1200	U1000
SS-11		09/27/85	U1300	U2200	U2200	U2000
SS-12		09/27/85	U1200	U2000	U2000	U7300
WW-01		10/01/85	E16	U3.1	U3.2	U58
WW-02		10/09/85	B43	U35	U35	U61
WW-03		10/01/85	E6	U5.6	U5.8	U270
WW-04		10/01/85	E16	U3.2	E31	U3.2
WW-05		10/01/85	E36	U3.2	E35	U290
WW-06	1	10/01/85	E29	U5.2	E34	U5.3
WW-06	2	10/01/85	U330	U1600	U1600	U970
WW-06	Mean	10/01/85	E29	U5.2	E34	U5.3
WW-08		10/01/85	E25	U4.8	E360	U4.1
WW-09		10/02/85	U140	U190	U190	U1900
WW-10		10/02/85	B86	U66	U66	U52
WW-11		10/02/85	U200	U360	U360	U1300
WW-12		10/02/85	U1200	U1000	U1000	U2500
WW-13		10/02/85	U400	U600	U600	U6800
WW-14		10/02/85	U180	U310	U310	U760
WW-15		10/08/85	E190	U75	E180	U63
WW-16	1	10/02/85	B220	U160	U160	U3200
WW-16	2	10/02/85	B140	U95	U95	U2400
WW-16	Mean	10/02/85	B140	U95	U95	U2400
WW-17		10/03/85	U66	U100	U110	U400
WW-18		10/03/85	U6.8	U17	U18	U8.2
WW-19		10/03/85	U240	U480	2600	U370
WW-20		10/03/85	U11	U29	U29	U320

TABLE A-10. CONCENTRATIONS (UG/KG DRY WEIGHT) OF EXTRACTABLE ORGANIC COMPOUNDS  
IN ELLIOTT BAY SEDIMENTS: CHLORINATED PHENOLS

Station	Sampling Rep	Date	2-chloro-phenol	2,4-di-chloro-phenol	4-chloro-3-methyl-phenol	2,4,6-tri-chloro-phenol	2,4,5-tri-chloro-phenol	penta-chloro-phenol
AB-01		09/26/85	U6.7	U31	U26	U18	U30	U650
AB-02		09/26/85	U12	U47	U34	U56	U51	U900
AB-03		09/26/85	U4.3	U19	U14	U25	U20	U160
AB-04		09/26/85	U23	U47	U13	U44	U38	E110
DR-01		09/30/85	U3.3	U11	U6.7	U17	U16	U3300
DR-02		09/30/85	U4.8	U17	U9	U32	U37	U4400
DR-03		09/30/85	U3.8	U11	U7.1	U26	U15	U3100
DR-04		09/30/85	U3.4	U11	U6.9	U15	U13	U3000
DR-05		09/30/85	U8.6	U24	U14	U22	U20	U350
DR-06		10/09/85	U52	U420	U260	U400	U500	U750
DR-07		09/30/85	U3.0	U14	U9.2	U7.1	U13	U150
DR-08		09/30/85	U4.2	U16	U9	U15	U39	U150
DR-09		09/30/85	U2.7	U8.9	U5.9	U7.9	U8.1	U540
DR-10		09/30/85	U4.3	U11	U6.0	U9.7	U9.2	U3000
DR-11		09/30/85	U4.3	U12	U6.9	U9.4	U14	U3600
DR-12		09/30/85	U5.6	U20	U11	U16	U18	U740
DR-13		09/30/85	U4.2	U16	U10	U17	U16	U460
DR-14		09/30/85	U3.6	U15	U15	U13	U23	U290
DR-15		09/30/85	U5.2	U23	U15	U24	U23	U92
DR-16		09/30/85	U4.6	U18	U24	U16	U35	U360
DR-17		09/30/85	U3.8	U15	U9.8	U19	U18	U3500
DR-25		10/10/85	U23	U68	U32	U51	U43	U180
EW-01		10/09/85	U33	U210	U150	U250	U280	U510
EW-02		10/04/85	U5.9	U15	U10	U28	U40	U3800
EW-03		10/04/85	U6.1	U13	U7	U18	U15	U240
EW-04		10/14/85	U1600	U16000	U3800	U6500	U13000	U61000
EW-05	1	10/14/85	U3000	U10000	U1000	U2000	U1700	U110000
EW-05	2	10/14/85	U570	U2100	U750	U1200	U1400	U4300
EW-05	3	10/14/85	U900	U6000	U1300	U1200	U1900	U5300
EW-05	Mean	10/14/85	U570	U2100	U750	U1200	U1400	U4300
EW-06		10/04/85	U7.5	U17	U10	U18	U22	U140
EW-07		10/14/85	U1800	U18000	U2800	U3800	U3800	U6000
EW-08		10/14/85	U2000	U20000	U3200	U3400	U2800	U75000
EW-09		10/14/85	U800	U8000	U2100	U1400	U1600	U3900
EW-10		10/14/85	U240	U4200	U530	U880	U930	U1600
EW-11		10/14/85	U850	U17000	U2000	U2000	U2000	U7200
EW-12		10/15/85	U60	U240	U41	U110	U110	U770
EW-13		10/15/85	U120	U240	U50	U95	U86	U4300
EW-14		10/15/85	U91	U300	U42	U92	U82	U3300
EW-15		10/15/85	U100	U1000	U130	U270	U200	XE95
EW-16		10/15/85	U76	U380	U64	U210	U160	E690
KG-01		09/25/85	U7.3	U37	U21	U33	U37	U220
KG-02		10/09/85	U240	U1100	U360	U620	U530	U980
KG-03		09/25/85	U12	U100	U61	U59	U91	U330

TABLE A-10. (CONTINUED)

Station Rep	Sampling Date	2-chloro-phenol	2,4-di-chloro-phenol	4-chloro-3-methyl-phenol	2,4,6-tri-chloro-phenol	2,4,5-tri-chloro-phenol	penta-chloro-phenol
KG-04	10/09/85	U600	U6000	U790	U1200	U1200	U3900
KG-05	09/30/85	U1300	U13000	U12000	U11000	U11000	U49000
KG-06	09/30/85	U700	U2300	U560	U1000	U1000	U5100
KG-07	09/30/85	U1700	U17000	U1200	U2800	U2000	U7600
KG-08	10/01/85	U4.6	U21	U58	U52	U81	U2600
KG-09	10/01/85	U6.8	U25	U14	U91	U81	U3300
KG-10	10/08/85	U160	U3700	U180	U350	U290	U770
KG-11	10/01/85	U9.9	U34	U53	U34	U81	U2600
MG-01	09/26/85	U21	U71	U18	U44	U38	U120
MG-02	09/26/85	U16	U49	U17	U38	U33	U140
MG-03	09/26/85	U65	U650	U300	U270	U270	U800
MG-04	09/26/85	U22	U93	U24	U49	U49	U110
NH-01	10/15/85	U67	U110	U26	U61	U55	E101
NH-02	10/15/85	U16	U55	U28	U52	U48	U300
NH-03	10/16/85	U7.9	U27	U9	U18	U40	U500
NH-04	10/15/85	U12	U34	U21	U38	U38	X6000
NH-05	10/15/85	U7.8	U23	U12	U24	U22	U440
NH-06	10/16/85	U4.8	U13	U9.4	U15	U21	U1900
NH-07	10/09/85	U55	U790	U280	U9100	U9100	U41000
NH-08	10/16/85	U5.7	U14	U6.6	U15	U32	U3200
NH-09	10/16/85	U5.3	U15	U12	U33	U35	U2400
NH-10	10/08/85	U14	U62	U23	U51	U51	U2100
NH-11	10/15/85	U2.9	U12	U8.6	U16	U14	U75
NS-01	10/08/85	U12	U33	U16	U31	U35	U2200
NS-02	09/27/85	U1700	U17000	U3200	U7000	U4700	U63000
NS-03	10/04/85	U3.0	U11	U7.5	U15	U18	U2600
NS-04	10/08/85	U8.6	U30	U18	U27	U24	E330
NS-05	10/04/85	U3.5	U14	U8.7	U17	U18	U2700
NS-06	09/27/85	U1300	U13000	U12000	U5500	U11000	U48000
NS-07	10/04/85	U8.7	U25	U13	U23	U32	U2900
NS-08	09/26/85	U44	U440	U24	U66	U56	U3300
PS-01 1	10/12/85	U13	U66	U39	U58	U58	U410
PS-01 2	10/12/85	U9.4	U43	U27	U38	U37	U190
PS-01 Mean	10/12/85	U9.4	U43	U27	U38	U37	U190
PS-02	10/12/85	U5.0	U38	U23	U36	U34	U220
PS-02	10/12/85	U0.8	U7.5	U6.9	U6.1	U6.1	U27
PS-03	10/12/85	U3.0	U16	U12	U18	U16	U38
PS-04	10/12/85	U7.3	U33	U21	U30	U28	U89
PS-05	10/15/85	U44	U220	U100	U200	U190	U5400
SS-01	10/16/85	U4.1	U11	U5.5	U12	U8.6	U56
SS-03	10/04/85	U3.9	U15	U17	U15	U58	U3200
SS-04	10/04/85	U22	U57	U30	U55	U48	U1700
SS-05 1	10/03/85	U32	U68	U32	U55	U55	U380
SS-05 2	10/03/85	U25	U72	U36	U91	U120	E47
SS-05 Mean	10/03/85	U25	U68	U32	U55	U55	E47

TABLE A-10. (CONTINUED)

Station	Rep	Sampling Date	2-chloro-phenol	2,4-di-chloro-phenol	4-chloro-3-methyl-phenol	2,4,6-tri-chloro-phenol	2,4,5-tri-chloro-phenol	penta-chloro-phenol
SS-05	3	10/03/85	U420	U8500	U890	U1400	U1400	E47
SS-06		10/03/85	U22	U72	U34	U56	U100	U4600
SS-07		10/03/85	U130	U190	U41	U100	U100	U1200
SS-08		09/27/85	U2100	U7000	U1700	U3100	U3400	U75000
SS-09		09/27/85	U150	U570	U270	U670	U560	U17000
SS-10		09/27/85	U1000	U5000	U1300	U2300	U2000	U72000
SS-11		09/27/85	U1900	U19000	U4500	U16000	U8000	U69000
SS-12		09/27/85	U1800	U18000	U8000	U14000	U14000	U65000
WW-01		10/01/85	U2.8	U12	U7.7	U32	U30	U2600
WW-02		10/09/85	U33	U220	U130	U310	U300	U1000
WW-03		10/01/85	U5.0	U22	U26	U68	U180	U2400
WW-04		10/01/85	U2.8	U11	U7.3	U12	U21	U2700
WW-05		10/01/85	U2.8	U15	U11	U63	U71	U2600
WW-06	1	10/01/85	U4.5	U18	U12	U24	U25	U3500
WW-06	2	10/01/85	U1400	U2000	U560	U1200	U920	U51000
WW-06	Mean	10/01/85	U4.5	U18	U12	U24	U25	U3500
WW-08		10/01/85	U4.0	U13	U9.1	U19	U19	U1200
WW-09		10/02/85	U160	U2600	U840	U19000	U9500	U1700
WW-10		10/02/85	U59	U400	U280	U500	U540	U63000
WW-11		10/02/85	U330	U1500	U780	U4800	U2700	U84000
WW-12		10/02/85	U900	U18000	U2700	U4700	U7000	U65000
WW-13		10/02/85	U530	U16000	U1200	U13000	U13000	U61000
WW-14		10/02/85	U290	U2200	U610	U16000	U8000	U73000
WW-15		10/08/85	U37	U230	U180	U310	U300	U900
WW-16	Mean	10/02/85	U81	U1000	U550	U1100	U1300	U57000
WW-16	1	10/02/85	U140	U3800	U580	U1400	U1600	U57000
WW-16	2	10/02/85	U81	U1000	U550	U1100	U1300	U63000
WW-17		10/03/85	U94	U188	U62	U96	U96	XE360
WW-18		10/03/85	U15	U59	U14	U35	U42	U1400
WW-19		10/03/85	U420	U2800	U620	U1100	U1200	U7500
WW-20		10/03/85	U26	U48	U22	U52	U52	U280

TABLE A-11. CONCENTRATIONS (UG/KG DRY WEIGHT) OF EXTRACTABLE ORGANIC COMPOUNDS IN ELLIOTT BAY SEDIMENTS: LOW MOLECULAR WEIGHT AROMATIC HYDROCARBONS

Station Rep	Sampling Date	naphtha- lene	ace- naphthy- lene	acenaph- thene	fluorene	phenan- threne	anthra- cene
AB-01	09/26/85	E2000	E88	E1200	E780	E3300	E2700
AB-02	09/26/85	XE810	E190	E160	E190	E1400	E600
AB-03	09/26/85	U17	U4.3	U6.7	U6.8	E7	U12
AB-04	09/26/85	U32	U10	U13	U11	E89	E35
DR-01	09/30/85	E35	U4.2	U6.2	E28	E170	E39
DR-02	09/30/85	E42	E13	E70	E110	E710	E210
DR-03	09/30/85	E19	U3.7	U5.6	E20	E130	E30
DR-04	09/30/85	E140	E21	E90	E130	E690	E170
DR-05	09/30/85	E29	U8.1	U12	U9.7	E71	E27
DR-06	10/09/85	U200	U110	U140	U150	E38	U130
DR-07	09/30/85	E22	E5.3	E17	E18	E110	E32
DR-08	09/30/85	E170	E52	E110	E150	E970	E250
DR-09	09/30/85	E38	E23	E130	E160	E650	E450
DR-10	09/30/85	E56	E15	E160	E170	E200	E370
DR-11	09/30/85	E75	E28	E97	E110	E410	E320
DR-12	09/30/85	E120	E57	E190	E230	E1200	E410
DR-13	09/30/85	E42	E17	E34	E42	E300	E110
DR-14	09/30/85	E47	E25	E62	E74	E400	E230
DR-15	09/30/85	E84	E25	E100	E140	E790	E210
DR-16	09/30/85	E230	E59	E550	E660	E3000	E1500
DR-17	09/30/85	E61	E31	E53	E63	E480	E180
DR-25	10/10/85	U41	U8.6	U12	U12	E110	E20
EW-01	10/09/85	E200	U67	E270	U93	E200	E85
EW-02	10/04/85	XE430	E160	E4400	E9200	E11000	E6800
EW-03	10/04/85	E290	E53	E99	E150	E720	E380
EW-04	10/14/85	U2300	U780	U920	E240	2400	1700
EW-05 1	10/14/85	U1500	U540	U590	U460	E1500	E390
EW-05 2	10/14/85	U780	U310	U350	U290	E430	U240
EW-05 3	10/14/85	U1100	U310	U360	U340	U260	U250
EW-05 Mean	10/14/85	U780	U310	U350	U290	E920	L320
EW-06	10/04/85	E260	E400	E110	E730	E2000	E4200
EW-07	10/14/85	U1800	U640	U670	U570	E830	E520
EW-08	10/14/85	U2100	U660	U760	U510	E400	U360
EW-09	10/14/85	U820	U380	U380	U360	E670	E240
EW-10	10/14/85	U730	U280	U360	U330	E390	E190
EW-11	10/14/85	U810	U420	U420	U460	E1500	E1000
EW-12	10/15/85	U100	E87	E380	E310	1300	E340
EW-13	10/15/85	U240	E74	U23	E48	E430	E250
EW-14	10/15/85	XE410	X1300	E470	E1000	5400	4400
EW-15	10/15/85	U420	XE200	XE64	XE79	E740	E460
EW-16	10/15/85	U320	U70	U47	U33	E140	E64
KG-01	09/25/85	E130	E97	E100	E200	E1200	E710
KG-02	10/09/85	U740	U210	U290	U180	E71	E33
KG-03	09/25/85	E50	E33	E60	E86	E590	E290
KG-04	10/09/85	U1000	U490	U540	U360	E330	U300

TABLE A-11. (CONTINUED)

Station	Rep	Sampling Date	naphtha- lene	ace- naphthy- lene	acenaph- thene	fluorene	phenan- threne	anthra- cene
KG-05		09/30/85	U5500	U3800	U5900	U5900	XE1000	U1700
KG-06		09/30/85	U670	U190	U220	U210	E860	U190
KG-07		09/30/85	U2300	U800	U900	U670	1800	E250
KG-08		10/01/85	U8.3	E10	E15	U3.3	E220	E61
KG-09		10/01/85	E150	E130	E92	E180	E1000	E400
KG-10		10/08/85	XE540	U120	U150	U110	E760	U100
KG-11		10/01/85	E29	E18	E18	E32	E160	E140
MG-01		09/26/85	U39	U11	U12	U10	E41	E13
MG-02		09/26/85	XE110	U9.5	U11	U9.4	E47	E12
MG-03		09/26/85	U270	U38	U36	U29	U16	U16
MG-04		09/26/85	U34	U9.5	U11	U11	E20	U8.1
NH-01		10/15/85	XE110	E110	E74	E100	E880	E460
NH-02		10/15/85	XE200	E160	E150	E260	1200	E660
NH-03		10/16/85	E880	E230	E590	E920	E3700	E1900
NH-04		10/15/85	E500	E560	E670	E920	3400	E1500
NH-05		10/15/85	2600	E300	E870	E970	2000	E1800
NH-06		10/16/85	E15000	E730	E5100	E6000	E20000	E10000
NH-07		10/09/85	U130	U70	U100	U110	E170	E55
NH-08		10/16/85	E6600	E600	E5300	E4700	E13000	E7100
NH-09		10/16/85	E130	E30	E38	E73	E320	E160
NH-10		10/08/85	U27	U10	E16	E13	E210	E41
NH-11		10/15/85	E52	E27	E33	E52	E340	E130
NS-01		10/08/85	U36	E1.7	E29	E15	E230	E50
NS-02		09/27/85	U3600	U1200	U1100	U1300	2400	U460
NS-03		10/04/85	XE100	E35	E17	E38	E140	E110
NS-04		10/08/85	E24	E17	E88	E240	E860	E750
NS-05		10/04/85	E53	E29	E20	E36	E240	E270
NS-06		09/27/85	U5400	U1300	U1200	U1200	E230	E42
NS-07		10/04/85	E300	E190	E290	E460	E2300	E1100
NS-08		09/26/85	XE130	E120	E420	E400	1400	1100
PS-01	1	10/12/85	XE2	U11	U17	U17	E18	U18
PS-01	2	10/12/85	U33	U9.3	U14	U13	E16	U16
PS-01	Mean	10/12/85	E2	U9.3	U14	U13	E17	U16
PS-02		10/12/85	U21	U5.2	U8.0	U8.7	E11	U13
PS-02		10/12/85	U3.1	U2.1	U3.3	U3.3	E11	U4.8
PS-03		10/12/85	E2.7	U4.1	U6.7	U6.7	E5.2	U20
PS-04		10/12/85	U26	U7.5	U11	U11	E7	E2
PS-05		10/15/85	E120	E490	E130	E270	1500	1100
SS-01		10/16/85	E150	E14	E29	E53	E230	E120
SS-03		10/04/85	E410	E190	E420	E590	E2400	E1200
SS-04		10/04/85	E1400	E460	E430	E840	E3000	E2800
SS-05	1	10/03/85	X1100	E400	E360	E600	2700	E1600
SS-05	2	10/03/85	1700	E910	E830	1000	6200	E5700
SS-05	3	10/03/85	U1000	U460	U480	U400	E1100	E420
SS-05	Mean	10/03/85	L1200	L560	L540	L600	E2800	E2000
SS-06		10/03/85	E800	2000	E1000	2700	6000	E11000

TABLE A-11. (CONTINUED)

Station	Rep	Sampling Date	naphtha-lene	ace-naphthy-lene	acenaph-thene	fluorene	phenan-threne	anthra-cene
SS-07		10/03/85	X2700	1200	E730	1000	3300	E4100
SS-08		09/27/85	X5300	X37000	33000	37000	330000	190000
SS-09		09/27/85	E950	2600	E450	E860	4800	5100
SS-10		09/27/85	XE640	XE740	U1100	U680	3300	2400
SS-11		09/27/85	X1500	U2700	U2800	U1400	1900	1200
SS-12		09/27/85	U3600	U5100	U1100	U2600	E480	U920
WW-01		10/01/85	E20	E15	E15	E29	E180	E66
WW-02		10/09/85	U110	U63	U95	U100	E250	E86
WW-03		10/01/85	E25	E10	E61	E89	E560	E140
WW-04		10/01/85	E380	E290	E2000	E3600	E6900	E2000
WW-05		10/01/85	E55	E14	E30	E63	E270	E170
WW-06	1	10/01/85	E170	E48	E89	E130	E700	E320
WW-06	2	10/01/85	U1400	U400	U450	U270	E4200	E590
WW-06	Mean	10/01/85	E170	E48	E89	E130	E2400	E460
WW-08		10/01/85	E130	E56	E90	E140	E730	E330
WW-09		10/02/85	E380	U170	E790	E720	5300	1700
WW-10		10/02/85	U210	U110	U160	U150	1400	E630
WW-11		10/02/85	U940	U340	U420	U310	1600	E800
WW-12		10/02/85	U2500	U1300	U2000	U890	2800	E1400
WW-13		10/02/85	U850	U340	U460	E220	1600	E350
WW-14		10/02/85	U690	U300	U370	U360	1900	E930
WW-15		10/08/85	U160	U59	U89	U100	U99	U93
WW-16	1	10/02/85	U400	U230	U260	U260	1200	E380
WW-16	2	10/02/85	U300	U150	U200	U190	1100	1600
WW-16	Mean	10/02/85	U300	U150	U200	U190	1200	E990
WW-17		10/03/85	XE310	XE210	E230	E250	1700	E750
WW-18		10/03/85	E360	E190	E200	E330	1200	E670
WW-19		10/03/85	U700	E91	U320	U350	E830	E310
WW-20		10/03/85	XE210	E75	E53	E79	E650	E240

TABLE A-12. CONCENTRATIONS (UG/KG DRY WEIGHT) OF EXTRACTABLE ORGANIC COMPOUNDS IN ELLIOTT BAY SEDIMENTS: HIGH MOLECULAR WEIGHT AROMATIC HYDROCARBONS

Station	Sampling Rep	Date	fluor-anthene	pyrene	benzo-(a)-anthracene	chrysene	benzo-(b)-fluor-anthene	benzo-(k)-fluor-anthene
AB-01		09/26/85	E10000	E6500	E2100	E2500	E2800	E2600
AB-02		09/26/85	E1400	E2100	E630	E890	E740	E1300
AB-03		09/26/85	E13	E13	E3.6	E5.2	E5.4	E3.9
AB-04		09/26/85	E120	E120	E48	E86	E37	E52
DR-01		09/30/85	E230	E240	E73	E110	E56	E70
DR-02		09/30/85	E1600	E1300	E440	E650	E420	E510
DR-03		09/30/85	E320	E340	E92	E150	E100	E100
DR-04		09/30/85	E790	E970	E310	E450	E310	E320
DR-05		09/30/85	E220	E210	E64	E93	E70	E42
DR-06		10/09/85	E110	E110	U40	U58	U62	U59
DR-07		09/30/85	E220	E230	E230	E170	E100	E120
DR-08		09/30/85	E1500	E1100	E820	E930	E48	E550
DR-09		09/30/85	E1000	E760	E260	E200	E340	E350
DR-10		09/30/85	E880	E690	E210	E280	E390	E350
DR-11		09/30/85	E1200	E660	E420	E510	E380	E470
DR-12		09/30/85	E2100	E1600	E500	E380	E620	E130
DR-13		09/30/85	E460	E560	E230	E310	E230	E240
DR-14		09/30/85	E770	E630	E370	E480	E270	E320
DR-15		09/30/85	E770	E800	E470	E590	E450	E460
DR-16		09/30/85	E5800	E5500	E720	E710	E750	E550
DR-17		09/30/85	E500	E590	E390	E540	E410	E380
DR-25		10/10/85	E200	E220	E59	E140	E78	E120
EW-01		10/09/85	E430	E400	E110	E170	U39	U42
EW-02		10/04/85	E9600	E6600	E2100	E2500	E1100	E1800
EW-03		10/04/85	E1400	E1300	E600	E910	E1100	E1500
EW-04		10/14/85	4100	5800	2700	7200	4800	3000
EW-05	1	10/14/85	2100	2000	E750	1600	E660	E370
EW-05	2	10/14/85	E1000	E960	E320	E540	E260	E280
EW-05	3	10/14/85	E360	E730	E150	E460	E190	E400
EW-05	Mean	10/14/85	E1400	E1400	E490	E1000	E440	E360
EW-06		10/04/85	E7800	E5000	E4300	E6100	E4000	E2600
EW-07		10/14/85	2800	2800	1400	2900	1900	E950
EW-08		10/14/85	E1000	1200	E580	1200	E890	E620
EW-09		10/14/85	2200	2400	E970	1600	E1000	E480
EW-10		10/14/85	E890	E1000	E610	1200	E830	E400
EW-11		10/14/85	4900	5300	2600	4100	4900	1300
EW-12		10/15/85	1500	1400	E750	1600	E600	E880
EW-13		10/15/85	E700	E940	E370	E800	E460	E510
EW-14		10/15/85	24000	16000	5100	9200	3500	4300
EW-15		10/15/85	1300	1400	E830	1900	E1000	E810
EW-16		10/15/85	E200	E290	E110	E240	E160	E120
KG-01		09/25/85	E3600	E3400	E1400	E1900	E1300	E960
KG-02		10/09/85	E500	E380	E65	E170	U98	U180
KG-03		09/25/85	E1100	E1000	E560	E810	E420	E670

TABLE A-12. (CONTINUED)

Station	Rep	Sampling Date	fluor-anthene	pyrene	benzo-(a)-anthracene	chrysene	benzo-(b)-fluor-anthene	benzo-(k)-fluor-anthene
KG-04		10/09/85	E700	E600	E150	E280	U140	U160
KG-05		09/30/85	XE1000	X1200	B3100	XE350	U660	U590
KG-06		09/30/85	E980	E990	E280	E440	E300	E190
KG-07		09/30/85	2300	2600	E620	1900	E490	E510
KG-08		10/01/85	E300	E310	E130	E170	E120	E130
KG-09		10/01/85	E1500	E1800	E790	E1100	E890	E480
KG-10		10/08/85	E240	E370	U51	U74	U63	U67
KG-11		10/01/85	E340	E320	E130	E210	E230	E110
MG-01		09/26/85	E52	E59	E21	E43	E19	E20
MG-02		09/26/85	E29	E46	E19	E36	E16	E18
MG-03		09/26/85	E21	E25	E6.3	E15	E6	E9
MG-04		09/26/85	E29	E39	E12	E21	E21	E13
NH-01		10/15/85	1800	2300	1300	2400	2600	1900
NH-02		10/15/85	E1700	1900	1100	2200	E940	1300
NH-03		10/16/85	E4400	E9200	E3300	E4300	E7500	E4300
NH-04		10/15/85	E6700	4300	1800	1900	1400	2800
NH-05		10/15/85	E2300	2300	1100	1200	E800	2000
NH-06		10/16/85	E27000	E28000	E9400	E16000	E23000	E2900
NH-07		10/09/85	E430	E220	U33	U51	U54	U59
NH-08		10/16/85	E4400	E19000	E8300	E11000	E15000	E5500
NH-09		10/16/85	E580	E560	E220	E390	E230	E270
NH-10		10/08/85	E270	E260	E98	E120	E75	E110
NH-11		10/15/85	E410	E520	E290	E480	E310	E360
NS-01		10/08/85	E440	E370	U2.1	U2.4	E94	E140
NS-02		09/27/85	E540	E760	E180	E660	U220	U170
NS-03		10/04/85	E250	E300	E150	E210	E230	E120
NS-04		10/08/85	E1300	E720	E390	E580	E220	E180
NS-05		10/04/85	E350	E380	E230	E360	E330	E250
NS-06		09/27/85	E410	E600	E140	E400	U170	U200
NS-07		10/04/85	E12000	E8300	E3500	E3400	E3200	E2500
NS-08		09/26/85	2200	1900	E1000	2000	E870	E980
PS-01	1	10/12/85	E15	E13	E3	E10	E7	E5
PS-01	2	10/12/85	E17	E14	E2.5	E8.1	E7.5	U5.4
PS-01	Mean	10/12/85	E16	E14	E2.8	E9.0	E7.2	E5
PS-02		10/12/85	E19	E19	E5	E13	U5.9	U7.5
PS-02		10/12/85	E19	E19	E5	E13	U3.0	U3.0
PS-03		10/12/85	E9.4	E8.0	E3.7	E5.0	E6.8	E4.8
PS-04		10/12/85	E16	E16	E6.5	E9.8	E8.3	E5.3
PS-05		10/15/85	5000	4500	2500	6000	3000	2200
SS-01		10/16/85	E290	E460	E130	E210	E170	E150
SS-03		10/04/85	E2400	E2600	E1700	E2000	E2300	E1300
SS-04		10/04/85	E4700	E5900	E3000	E4100	E4600	E3100
SS-05	1	10/03/85	E2500	3600	2100	3100	2600	2500
SS-05	2	10/03/85	E14000	8100	4000	5900	3300	4800
SS-05	3	10/03/85	2400	3500	1400	2700	1400	2500

TABLE A-12. (CONTINUED)

Station	Rep	Sampling Date	fluor-anthene	pyrene	benzo-(a)-anthracene	chrysene	benzo-(b)-fluor-anthene	benzo-(k)-fluor-anthene
SS-05	Mean	10/03/85	E5300	4700	2200	3600	2200	3100
SS-06		10/03/85	E15000	17000	4300	5500	2700	18000
SS-07		10/03/85	E7100	7000	4100	4900	4900	5000
SS-08		09/27/85	1300000	740000	300000	350000	150000	150000
SS-09		09/27/85	10000	14000	7900	20000	6900	25000
SS-10		09/27/85	9400	10000	3400	6300	5000	4100
SS-11		09/27/85	3300	5000	1500	3200	2800	3100
SS-12		09/27/85	1400	2800	E630	1300	U340	U390
WW-01		10/01/85	E380	E330	E140	E200	E150	E170
WW-02		10/09/85	E450	E360	E180	E550	U39	U44
WW-03		10/01/85	E820	E680	E200	E250	E160	E150
WW-04		10/01/85	E30000	E10000	E2400	E4100	U290	E2400
WW-05		10/01/85	E450	E540	E160	E260	E230	E150
WW-06	1	10/01/85	E1500	E1400	E650	E930	E830	E590
WW-06	2	10/01/85	E4300	E3300	E660	E1700	E970	E910
WW-06	Mean	10/01/85	E2900	E2400	E660	E1300	E900	E750
WW-08		10/01/85	E1500	E1200	E680	E890	E740	E660
WW-09		10/02/85	10000	8200	3100	6200	3400	3100
WW-10		10/02/85	2500	2300	E1000	2300	E1500	E870
WW-11		10/02/85	5000	3400	1900	4300	2500	2400
WW-12		10/02/85	11000	7100	2900	7900	3000	1700
WW-13		10/02/85	2700	2800	1100	2300	1000	1100
WW-14		10/02/85	4000	7600	1800	4700	3600	4300
WW-15		10/08/85	E11	E13	U32	U37	U38	U50
WW-16	1	10/02/85	1900	2200	E700	1700	1300	E500
WW-16	2	10/02/85	1700	2000	E710	1500	E370	E1000
WW-16	Mean	10/02/85	1800	2100	E700	1600	E840	E750
WW-17		10/03/85	E2700	3100	1600	2300	2200	1800
WW-18		10/03/85	E1800	2500	E890	1300	E600	1600
WW-19		10/03/85	2400	2300	E870	2600	1500	1200
WW-20		10/03/85	E930	1300	E520	E730	E720	E560

TABLE A-12. (CONTINUED)

Station	Sampling Rep	Date	benzo-(a)-pyrene	indeno-(1,2,3-cd)-pyrene	di-benzo-(a,h)-anthracene	benzo-(g,h,i)-perylene
AB-01		09/26/85	E2800	E2400	E940	E2300
AB-02		09/26/85	E760	E380	E120	E430
AB-03		09/26/85	E5.1	E1.0	U7.0	E1.2
AB-04		09/26/85	E81	E23	E4.4	E21
DR-01		09/30/85	E56	E22	U4.2	E17
DR-02		09/30/85	E360	E250	E59	E220
DR-03		09/30/85	E77	E53	U3.3	E43
DR-04		09/30/85	E330	E220	E63	E210
DR-05		09/30/85	E46	E24	U5.1	E25
DR-06		10/09/85	U61	U83	U130	U77
DR-07		09/30/85	E40	E54	E14	E50
DR-08		09/30/85	E760	E1100	E270	E660
DR-09		09/30/85	E310	E200	E60	E170
DR-10		09/30/85	E270	E200	E79	E180
DR-11		09/30/85	E310	E260	E73	E220
DR-12		09/30/85	E410	E630	E200	E570
DR-13		09/30/85	E190	E120	E37	E120
DR-14		09/30/85	E230	E170	E58	E160
DR-15		09/30/85	E390	E230	E69	E220
DR-16		09/30/85	E850	E940	E420	E800
DR-17		09/30/85	E330	E270	E82	E250
DR-25		10/10/85	E63	E56	E6	E48
EW-01		10/09/85	E72	U47	U76	U43
EW-02		10/04/85	E1200	E560	E220	E450
EW-03		10/04/85	E620	E350	E130	E330
EW-04		10/14/85	E3000	E1700	E250	E1400
EW-05	1	10/14/85	E730	U260	U420	U246
EW-05	2	10/14/85	E190	U120	U190	U110
EW-05	3	10/14/85	E480	U52	U81	U48
EW-05	Mean	10/14/85	E530	U52	U81	U48
EW-06		10/04/85	E3300	E2000	E710	E1500
EW-07		10/14/85	E1100	E480	U530	U310
EW-08		10/14/85	E580	U320	U530	U290
EW-09		10/14/85	E900	E250	U350	E180
EW-10		10/14/85	E490	E270	U390	E220
EW-11		10/14/85	E1400	E690	U460	E550
EW-12		10/15/85	E320	E340	E80	E290
EW-13		10/15/85	E340	E250	E61	E230
EW-14		10/15/85	E3000	E1600	E540	E1400
EW-15		10/15/85	E810	E610	E150	E540
EW-16		10/15/85	E130	E82	E17	E80
KG-01		09/25/85	E850	E700	E180	E480
KG-02		10/09/85	U87	U140	U230	U130
KG-03		09/25/85	E430	E290	E74	E220

TABLE A-12. (CONTINUED)

Station	Sampling Rep	Date	benzo-(a)-pyrene	indeno-(1,2,3-cd)-pyrene	di-benzo-(a,h)-anthracene	benzo-(g,h,i)-perylene
KG-04		10/09/85	U140	U200	U330	U190
KG-05		09/30/85	U1400	U1100	U1900	U1100
KG-06		09/30/85	E170	U84	U140	U78
KG-07		09/30/85	U110	U150	U240	U140
KG-08		10/01/85	E100	E51	U1.9	E37
KG-09		10/01/85	E610	E350	E110	E270
KG-10		10/08/85	U53	U54	U89	U50
KG-11		10/01/85	E95	E53	E12	E39
MG-01		09/26/85	E17	E9	U5.3	E8
MG-02		09/26/85	E17	E8.4	U5.2	E9.2
MG-03		09/26/85	U6.8	U12	U19	U11
MG-04		09/26/85	E10	E4.5	U5.9	E4.4
NH-01		10/15/85	E1000	E660	E200	E520
NH-02		10/15/85	E820	E430	E160	E370
NH-03		10/16/85	E3800	E5800	E2900	E4900
NH-04		10/15/85	E1800	E1800	E720	E1500
NH-05		10/15/85	E1000	E610	E220	E500
NH-06		10/16/85	E7400	E6400	E3600	E4300
NH-07		10/09/85	U63	U93	U150	U85
NH-08		10/16/85	E5400	E4200	E2500	E3100
NH-09		10/16/85	E240	E110	E17	E110
NH-10		10/08/85	E73	E36	U15	E31
NH-11		10/15/85	E240	E180	E60	E150
NS-01		10/08/85	U2.6	U2.8	U4.3	U2.5
NS-02		09/27/85	U170	U260	U420	U250
NS-03		10/04/85	E160	E94	E31	E88
NS-04		10/08/85	E160	E53	E16	E40
NS-05		10/04/85	E280	E150	E50	E130
NS-06		09/27/85	U210	U400	U600	U360
NS-07		10/04/85	E2600	E2300	E950	E1700
NS-08		09/26/85	E640	E1100	E310	E890
PS-01	1	10/12/85	E28	U6.5	U10	U6.0
PS-01	2	10/12/85	E2.5	U8.9	U14	E1.2
PS-01	Mean	10/12/85	E15	U6.5	U10	E1.2
PS-02		10/12/85	U7.0	U8.2	U13	U7.6
PS-02		10/12/85	U3.9	U4.5	U7.2	U4.2
PS-03		10/12/85	E3.8	E2.3	E1.0	E3.2
PS-04		10/12/85	E6.4	E2.2	U9.5	E2.8
PS-05		10/15/85	E1900	E1000	E390	E1300
SS-01		10/16/85	E150	E63	E8	E60
SS-03		10/04/85	E1700	E1300	E650	E950
SS-04		10/04/85	E3400	E4400	E1900	E3200
SS-05	1	10/03/85	E1800	E1200	E420	E890
SS-05	2	10/03/85	E3000	E1900	E600	E1400

TABLE A-12. (CONTINUED)

Station	Sampling Rep	Date	benzo-(a)-pyrene	indeno-(1,2,3-cd)-pyrene	di-benzo-(a,h)-anthracene	benzo-(g,h,i)-perylene
SS-05	3	10/03/85	E1400	E480	U320	E450
SS-05	Mean	10/03/85	E1900	E1000	L420	E800
SS-06		10/03/85	E5600	E3900	E1500	E2700
SS-07		10/03/85	E3200	E2600	E970	E1900
SS-08		09/27/85	E100000	E40000	E12000	E32000
SS-09		09/27/85	E8200	E4400	E1300	E3800
SS-10		09/27/85	E3500	E1600	U430	E1200
SS-11		09/27/85	E2800	E1300	U860	E1000
SS-12		09/27/85	U410	U850	U1300	U760
WW-01		10/01/85	E110	E66	E16	E51
WW-02		10/09/85	U37	U49	U77	U45
WW-03		10/01/85	E150	E98	E21	E85
WW-04		10/01/85	E1400	E880	E470	E580
WW-05		10/01/85	E140	E61	E27	E50
WW-06	1	10/01/85	E590	E420	E230	E340
WW-06	2	10/01/85	E640	U170	U260	E250
WW-06	Mean	10/01/85	E620	L300	E230	E300
WW-08		10/01/85	E480	E400	E230	E300
WW-09		10/02/85	E3700	E1300	U190	E980
WW-10		10/02/85	E1000	E380	U130	U71
WW-11		10/02/85	E1200	E590	U260	E490
WW-12		10/02/85	E2000	U390	U610	U350
WW-13		10/02/85	E730	E220	U230	E190
WW-14		10/02/85	E3500	E1100	U190	U110
WW-15		10/08/85	U40	U36	U59	U35
WW-16	1	10/02/85	E1900	U120	U190	U110
WW-16	2	10/02/85	E940	U110	U180	U100
WW-16	Mean	10/02/85	E1500	U110	U180	U100
WW-17		10/03/85	E1500	E1800	E440	XE1200
WW-18		10/03/85	E790	E1000	E310	ZE630
WW-19		10/03/85	E910	E530	U200	XE410
WW-20		10/03/85	E490	E660	U123	E410

TABLE A-13. CONCENTRATIONS (UG/KG DRY WEIGHT) OF EXTRACTABLE ORGANIC COMPOUNDS  
IN ELLIOTT BAY SEDIMENTS: CHLORINATED AROMATIC HYDROCARBONS

Station	Sampling Rep	Date	1,3-dichloro-benzene	1,4-dichloro-benzene	1,2-dichloro-benzene	1,2,4-trichloro-benzene	2-chloronaphthalene	hexachlorobenzene
AB-01		09/26/85	U130	U130	U65	U110	U7.8	U110
AB-02		09/26/85	U130	U130	U130	U260	U18	U160
AB-03		09/26/85	U120	U60	U40	U100	U7.4	U53
AB-04		09/26/85	U120	U120	U60	U170	U16	U64
DR-01		09/30/85	U53	U32	U27	U70	U7.1	U64
DR-02		09/30/85	U100	U100	U42	U78	U9.8	U120
DR-03		09/30/85	U150	U75	U38	E15	U6.4	U52
DR-04		09/30/85	U140	U70	U47	U70	U6.7	U81
DR-05		09/30/85	U140	U140	U140	U160	U14	U47
DR-06		10/09/85	U770	U770	U330	U1600	U150	U870
DR-07		09/30/85	U43	U32	U22	U54	U5.2	U22
DR-08		09/30/85	U100	U100	U67	U95	U7.3	U81
DR-09		09/30/85	U32	U26	U19	U45	U4.5	U18
DR-10		09/30/85	U47	U35	U23	U54	U4.8	U24
DR-11		09/30/85	U90	U60	U45	U75	U6.3	U40
DR-12		09/30/85	U90	U60	U60	U110	U8.9	U88
DR-13		09/30/85	U40	U27	U20	U89	U7.9	U51
DR-14		09/30/85	U57	U42	U34	U81	U7.0	U47
DR-15		09/30/85	U41	E100	U26	U100	U10	U78
DR-16		09/30/85	U67	U50	U33	U100	U8.4	U92
DR-17		09/30/85	U85	U57	U34	U81	U7.3	U51
DR-25		10/10/85	U120	U120	U120	U400	U15	U94
EW-01		10/09/85	U420	U350	U230	U250	U84	U580
EW-02		10/04/85	U180	U90	U90	U75	U7.8	U180
EW-03		10/04/85	U190	U95	U63	U86	U8.7	U100
EW-04		10/14/85	U2900	U2900	U2900	U14000	U1300	U4200
EW-05	1	10/14/85	U5300	U5300	U5300	U8800	U730	U2800
EW-05	2	10/14/85	U2900	U2900	U2900	U4100	U370	U1900
EW-05	3	10/14/85	U3100	U3100	U3100	U6200	U420	U2000
EW-05	Mean	10/14/85	U2900	U2900	U2900	U4100	U370	U1900
EW-06		10/04/85	U210	U210	U210	U100	U9.4	U200
EW-07		10/14/85	U3100	U3100	U3100	U16000	U860	U2800
EW-08		10/14/85	U3600	U3600	U3600	U18000	U780	U2600
EW-09		10/14/85	U2800	U2800	U2800	U5600	U470	U2000
EW-10		10/14/85	U3100	U3100	U3100	U3400	U350	U1800
EW-11		10/14/85	U3100	U3100	U3100	U5200	U490	U2500
EW-12		10/15/85	U220	U220	U220	U550	U34	U150
EW-13		10/15/85	U200	U200	U200	U1000	U37	U160
EW-14		10/15/85	U160	U160	U160	U800	U42	U400
EW-15		10/15/85	U180	U180	U180	U1800	U95	U340
EW-16		10/15/85	U130	U130	U130	U1300	U72	U170
KG-01		09/25/85	U200	U100	U50	U130	U8.4	U93
KG-02		10/09/85	U2200	U2200	U2200	U7300	U370	U1000
KG-03		09/25/85	U180	U180	U180	U260	U17	U130

TABLE A-13. (CONTINUED)

Station	Sampling Rep	Date	1,3-dichloro-benzene	1,4-dichloro-benzene	1,2-dichloro-benzene	1,2,4-tri-chloro-benzene	2-chloro-naphthalene	hexa-chlorobenzene
KG-04		10/09/85	U2100	U2100	U2100	U10000	U660	U2100
KG-05		09/30/85	U2300	U2300	U2300	U23000	U5100	U14000
KG-06		09/30/85	U2500	U2500	U2500	U4200	U270	U1400
KG-07		09/30/85	U2900	U2900	U2900	U29000	U1600	U2800
KG-08		10/01/85	U24	XE39	U13	U50	U4.4	U31
KG-09		10/01/85	U160	U160	U80	U94	U7.4	U52
KG-10		10/08/85	U1900	U1900	U110	U2700	U200	U810
KG-11		10/01/85	U120	U60	U120	U80	U6.1	U34
MG-01		09/26/85	U110	U110	U110	U220	U16	U61
MG-02		09/26/85	U110	U110	U110	U220	U15	U56
MG-03		09/26/85	U120	U120	U120	U1200	U62	U150
MG-04		09/26/85	U120	U120	U120	U150	U14	U65
NH-01		10/15/85	U120	U120	U120	U300	U19	U100
NH-02		10/15/85	U140	U140	U140	U160	U16	U120
NH-03		10/16/85	U190	U190	U190	U86	U7.6	U200
NH-04		10/15/85	U170	U170	U170	U140	U13	U130
NH-05		10/15/85	U150	U150	U150	U88	U8.5	U73
NH-06		10/16/85	U180	U180	U90	U86	U10	U240
NH-07		10/09/85	U500	U290	U220	U1100	U91	U710
NH-08		10/16/85	U150	U150	U150	U94	U7.7	U370
NH-09		10/16/85	U55	U55	U28	U52	U5.7	U38
NH-10		10/08/85	U100	U100	U100	U170	U16	U110
NH-11		10/15/85	U43	U32	U19	U48	U5.6	U52
NS-01		10/08/85	U110	U110	U110	U180	U14	U93
NS-02		09/27/85	U3000	U3000	U3000	U30000	U1600	U4600
NS-03		10/04/85	U40	U30	U17	U39	U4.3	U38
NS-04		10/08/85	U140	U140	U70	U130	U11	U61
NS-05		10/04/85	U65	U32	U26	U59	U6.6	U52
NS-06		09/27/85	U2300	U2300	U2300	U23000	U1700	U4000
NS-07		10/04/85	U140	U140	U140	U140	U9.7	U200
NS-08		09/26/85	U160	U160	U160	U530	U24	U110
PS-01	1	10/12/85	U160	U160	U160	U320	U19	U130
PS-01	2	10/12/85	U170	U85	U57	U190	U16	U100
PS-01	Mean	10/12/85	U160	U85	U57	U190	U16	U100
PS-02		10/12/85	U65	U43	U65	U130	U10	U69
PS-02		10/12/85	U1.3	U1.3	U1.3	U13	U2.8	U33
PS-03		10/12/85	U30	U20	U15	U75	U7.0	U49
PS-04		10/12/85	U120	U120	U60	U150	U12	U76
PS-05		10/15/85	U1000	U1000	U520	U620	U76	U390
SS-01		10/16/85	U120	U60	U40	U71	U6.8	U37
SS-03		10/04/85	U150	XE380	U50	U58	U5.7	U84
SS-04		10/04/85	U240	U240	U240	U240	U21	U970
SS-05	1	10/03/85	U2.2	U2.2	U2.2	U280	U20	U270
SS-05	2	10/03/85	U220	U220	U220	U220	U24	U460
SS-05	3	10/03/85	U3000	U3000	U3000	U7500	U550	U160

TABLE A-13. (CONTINUED)

Station	Sampling Rep	Date	1,3-dichloro-benzene	1,4-dichloro-benzene	1,2-dichloro-benzene	1,2,4-trichloro-benzene	2-chloro-naphthalene	hexachlorobenzene
SS-05	Mean	10/03/85	U2.2	U2.2	U2.2	U220	U20	U160
SS-06		10/03/85	U220	U220	U220	U240	U22	U560
SS-07		10/03/85	U220	U220	U220	U730	U41	U510
SS-08		09/27/85	U7300	U7300	U7300	U73000	U2300	U11000
SS-09		09/27/85	U4200	X31000	U2100	U1800	U200	U990
SS-10		09/27/85	U3500	U3500	U3500	U18000	U1100	U4400
SS-11		09/27/85	U3400	U3400	U3400	U34000	U3400	U8500
SS-12		09/27/85	U3100	U3100	U3100	U31000	U6800	U9500
WW-01		10/01/85	U60	U40	U30	U48	U5.0	U29
WW-02		10/09/85	U220	U270	U170	U800	U87	U630
WW-03		10/01/85	U120	U60	U40	U55	U5.1	U31
WW-04		10/01/85	U43	XE90	U22	U42	U4.8	U160
WW-05		10/01/85	U40	XE59	U17	U41	U5.2	U39
WW-06	1	10/01/85	U42	U42	U24	U65	U8.0	U100
WW-06	2	10/01/85	U2400	U2400	U480	U25000	U540	U1900
WW-06	Mean	10/01/85	U42	U42	U24	U65	U8.0	U100
WW-08		10/01/85	U85	U85	U42	U71	U6.9	U73
WW-09		10/02/85	U2000	U1300	U670	U2500	U270	U99000
WW-10		10/02/85	U500	U330	U210	U1500	U150	U920
WW-11		10/02/85	U4000	U2000	U1300	U6700	U480	U2000
WW-12		10/02/85	U3100	U3100	U3100	U31000	U1700	U6400
WW-13		10/02/85	U2900	U2900	U1400	U14000	U630	U2400
WW-14		10/02/85	U3500	U3500	U1800	U5800	U370	U2200
WW-15		10/08/85	U380	XU460	U210	U880	U88	U820
WW-16	1	10/02/85	U2700	U1400	U900	U3400	U270	U1500
WW-16	2	10/02/85	U750	U1500	U430	U2100	U170	U1100
WW-16	Mean	10/02/85	U750	U1400	U430	U2100	U170	U1100
WW-17		10/03/85	U170	U170	U170	U1700	U36	U350
WW-18		10/03/85	U140	U140	U140	U140	U12	U160
WW-19		10/03/85	U2900	U2900	U2900	U3600	U370	U2500
WW-20		10/03/85	U140	U140	U140	U230	U17	U210

TABLE A-14. CONCENTRATIONS (UG/KG DRY WEIGHT) OF EXTRACTABLE ORGANIC COMPOUNDS IN ELLIOTT BAY SEDIMENTS: CHLORINATED ALIPHATIC HYDROCARBONS

Station	Sampling Rep	Date	hexa-chloro-butadiene
AB-01		09/26/85	U290
AB-02		09/26/85	U680
AB-03		09/26/85	U250
AB-04		09/26/85	U870
DR-01		09/30/85	U370
DR-02		09/30/85	U400
DR-03		09/30/85	U280
DR-04		09/30/85	U600
DR-05		09/30/85	U400
DR-06		10/09/85	U2200
DR-07		09/30/85	U120
DR-08		09/30/85	U260
DR-09		09/30/85	U100
DR-10		09/30/85	U130
DR-11		09/30/85	U180
DR-12		09/30/85	U310
DR-13		09/30/85	U200
DR-14		09/30/85	U220
DR-15		09/30/85	U260
DR-16		09/30/85	U220
DR-17		09/30/85	U220
DR-25		10/10/85	U2500
EW-01		10/09/85	U1900
EW-02		10/04/85	U480
EW-03		10/04/85	U500
EW-04		10/14/85	U61000
EW-05	1	10/14/85	U110000
EW-05	2	10/14/85	U20000
EW-05	3	10/14/85	U64000
EW-05	Mean	10/14/85	U600
EW-06		10/04/85	U900
EW-07		10/14/85	U66000
EW-08		10/14/85	U75000
EW-09		10/14/85	U15000
EW-10		10/14/85	U9100
EW-11		10/14/85	U16000
EW-12		10/15/85	U4600
EW-13		10/15/85	U4300
EW-14		10/15/85	U3300
EW-15		10/15/85	U3600
EW-16		10/15/85	U2700
KG-01		09/25/85	U340
KG-02		10/09/85	U11000
KG-03		09/25/85	U600
KG-04		10/09/85	U44000

TABLE A-14. (CONTINUED)

Station	Sampling Rep	Date	hexa-chloro-butadiene
KG-05		09/30/85	U49000
KG-06		09/30/85	U13000
KG-07		09/30/85	U61000
KG-08		10/01/85	U160
KG-09		10/01/85	U820
KG-10		10/08/85	U5900
KG-11		10/01/85	U430
MG-01		09/26/85	U2400
MG-02		09/26/85	U2400
MG-03		09/26/85	U2400
MG-04		09/26/85	U800
NH-01		10/15/85	U2400
NH-02		10/15/85	U3000
NH-03		10/16/85	U670
NH-04		10/15/85	U500
NH-05		10/15/85	U340
NH-06		10/16/85	U1300
NH-07		10/09/85	U1700
NH-08		10/16/85	U800
NH-09		10/16/85	U400
NH-10		10/08/85	U2100
NH-11		10/15/85	U150
NS-01		10/08/85	U2200
NS-02		09/27/85	U63000
NS-03		10/04/85	U190
NS-04		10/08/85	U560
NS-05		10/04/85	U300
NS-06		09/27/85	U48000
NS-07		10/04/85	U1400
NS-08		09/26/85	U3300
PS-01	1	10/12/85	U820
PS-01	2	10/12/85	U570
PS-01	Mean	10/12/85	U570
PS-02		10/12/85	U34
PS-02		10/12/85	U2.7
PS-03		10/12/85	U150
PS-04		10/12/85	U400
PS-05		10/15/85	U3900
SS-01		10/16/85	U480
SS-03		10/04/85	U360
SS-04		10/04/85	U5000
SS-05	1	10/03/85	U46
SS-05	2	10/03/85	U940
SS-05	3	10/03/85	U63000
SS-05	Mean	10/03/85	U46
SS-06		10/03/85	U4600

TABLE A-14. (CONTINUED)

Station	Sampling Rep	Date	hexa-chloro-butadiene
SS-07		10/03/85	U4600
SS-08		09/27/85	U150000
SS-09		09/27/85	U6600
SS-10		09/27/85	U72000
SS-11		09/27/85	U69000
SS-12		09/27/85	U65000
WW-01		10/01/85	U290
WW-02		10/09/85	U1400
WW-03		10/01/85	U400
WW-04		10/01/85	U190
WW-05		10/01/85	U170
WW-06	1	10/01/85	U320
WW-06	2	10/01/85	U51000
WW-06	Mean	10/01/85	U320
WW-08		10/01/85	U350
WW-09		10/02/85	U6000
WW-10		10/02/85	U2600
WW-11		10/02/85	U10000
WW-12		10/02/85	U65000
WW-13		10/02/85	U61000
WW-14		10/02/85	U36000
WW-15		10/08/85	U1800
WW-15		10/08/85	U24
WW-16	1	10/02/85	U7100
WW-16	2	10/02/85	U6300
WW-16	Mean	10/02/85	U570
WW-17		10/03/85	U3400
WW-18		10/03/85	U2800
WW-19		10/03/85	U15000
WW-20		10/03/85	U2800

TABLE A-15. CONCENTRATIONS (UG/KG DRY WEIGHT) OF EXTRACTABLE ORGANIC COMPOUNDS IN ELLIOTT BAY SEDIMENTS: PHTHALATES

Station	Sampling Rep	Date	di-methyl-phthalate	butyl-benzyl-phthalate	di-n-octyl-phthalate
AB-01		09/26/85	E16	E23	U1.9
AB-02		09/26/85	U13	E16	E11
AB-03		09/26/85	U4.9	E3.4	E3.1
AB-04		09/26/85	U8.4	E48	U1.6
DR-01		09/30/85	U4.6	E20	B2.0
DR-02		09/30/85	E67	E110	B1.5
DR-03		09/30/85	E17	E41	B1.5
DR-04		09/30/85	E21	E57	U41
DR-05		09/30/85	E15	E15	B2.6
DR-06		10/09/85	E24	B3.5	E65
DR-07		09/30/85	E6.2	U1.7	B1.7
DR-08		09/30/85	E50	E290	ZE120
DR-09		09/30/85	E9.5	E21	B1.1
DR-10		09/30/85	E24	E27	B1.3
DR-11		09/30/85	E25	E36	B1.1
DR-12		09/30/85	E38	E44	ZE85
DR-13		09/30/85	E19	E54	ZE81
DR-14		09/30/85	E42	E48	B1.1
DR-15		09/30/85	E18	E40	ZE310
DR-16		09/30/85	E42	E92	B1.0
DR-17		09/30/85	E29	E36	B1.1
DR-25		10/10/85	E190	E78	1300
EW-01		10/09/85	U59	B2.6	U22
EW-02		10/04/85	U5.4	U21	U1.3
EW-03		10/04/85	U4.9	E72	B1.4
EW-04		10/14/85	U610	U190	U150
EW-05	1	10/14/85	U480	1600	U120
EW-05	2	10/14/85	U240	U1300	E500
EW-05	3	10/14/85	U270	E650	U44
EW-05	Mean	10/14/85	U240	E1300	L200
EW-06		10/04/85	E47	E72	B2.1
EW-07		10/14/85	U410	1800	U140
EW-08		10/14/85	U440	1800	U130
EW-09		10/14/85	U280	1800	U100
EW-10		10/14/85	U210	E340	E210
EW-11		10/14/85	U380	E760	E290
EW-12		10/15/85	U20	E47	E27
EW-13		10/15/85	U20	E69	E32
EW-14		10/15/85	U24	E170	ZE120
EW-15		10/15/85	U45	E160	E44
EW-16		10/15/85	U34	E67	U4.2
KG-01		09/25/85	E68	E88	E250
KG-02		10/09/85	U140	B7.9	U47
KG-03		09/25/85	E30	E66	E200
KG-04		10/09/85	U280	B10	B93

TABLE A-15. (CONTINUED)

Station	Sampling Rep	Date	di-methyl-phthalate	butyl-benzyl-phthalate	di-n-octyl-phthalate
KG-05		09/30/85	U4900	B33	B540
KG-06		09/30/85	U140	E690	U56
KG-07		09/30/85	U560	B5.9	U78
KG-08		10/01/85	E27	E37	E20
KG-09		10/01/85	E30	E38	E110
KG-10		10/08/85	U93	B4.9	B41
KG-11		10/01/85	U3.5	U1.0	U0.7
MG-01		09/26/85	U7.7	E22	U1.2
MG-02		09/26/85	U7.3	E23	U1.4
MG-03		09/26/85	U24	E19	U3.3
MG-04		09/26/85	U8.0	E41	U1.4
NH-01		10/15/85	E30	E54	E35
NH-02		10/15/85	U11	B6.1	E52
NH-03		10/16/85	U6.1	E68	B1.8
NH-04		10/15/85	E67	B3.4	E86
NH-05		10/15/85	E19	B3.7	U1.6
NH-06		10/16/85	U5.2	U1.8	B2.6
NH-07		10/09/85	U72	B4.7	U38
NH-08		10/16/85	U5.3	U1.6	B2.6
NH-09		10/16/85	U3.2	E35	B1.5
NH-10		10/08/85	U10	U2.9	E97
NH-11		10/15/85	E9.3	B3.7	E14
NS-01		10/08/85	E17	U2.3	U1.4
NS-02		09/27/85	U790	U120	B130
NS-03		10/04/85	U3.1	ZE75	U1.4
NS-04		10/08/85	U6.8	E7	E6
NS-05		10/04/85	U4.1	E21	U1.2
NS-06		09/27/85	U530	B9.7	Z9900
NS-07		10/04/85	U6.2	E20	U1.8
NS-08		09/26/85	U13	E200	E41
PS-01	1	10/12/85	E0.7	E10	E10
PS-01	2	10/12/85	U8.9	E17	E9.2
PS-01	Mean	10/12/85	E0.7	E14	E9.6
PS-02		10/12/85	U5.9	U3.7	E56
PS-02		10/12/85	U2.7	U1.9	E56
PS-03		10/12/85	U4.4	E6.3	E11
PS-04		10/12/85	U7.5	E4.7	E3.0
PS-05		10/15/85	E29	B1.1	U6
SS-01		10/16/85	U3.6	E11	B1.6
SS-03		10/04/85	E300	E47	U1.1
SS-04		10/04/85	U15	XE970	U5.0
SS-05	1	10/03/85	U14	B4.5	U4.4
SS-05	2	10/03/85	U20	U4.3	E3.1
SS-05	3	10/03/85	U330	E900	2100
SS-05	Mean	10/03/85	U14	L500	E1100
SS-06		10/03/85	U17	U3.3	U5.0

TABLE A-15. (CONTINUED)

Station	Sampling Rep	Date	di-methyl-phthalate	butyl-benzyl-phthalate	di-n-octyl-phthalate
SS-07		10/03/85	U23	U5.0	U4.9
SS-08		09/27/85	U790	B8.0	U240
SS-09		09/27/85	E160	B1.2	U14
SS-10		09/27/85	U600	B10	U110
SS-11		09/27/85	X1400	B19	B240
SS-12		09/27/85	U2200	B16	U280
WW-01		10/01/85	U3.0	E9	E14
WW-02		10/09/85	U71	B2.3	U22
WW-03		10/01/85	U3.1	U0.9	E7
WW-04		10/01/85	U3.4	U1.8	E29
WW-05		10/01/85	E6.8	U1.4	E9.6
WW-06	1	10/01/85	U6.0	E67	E90
WW-06	2	10/01/85	E620	B8.0	U61
WW-06	Mean	10/01/85	L310	L38	L76
WW-08		10/01/85	E21	XE160	U1.2
WW-09		10/02/85	E440	B3.7	U41
WW-10		10/02/85	U100	B3.1	U30
WW-11		10/02/85	U260	B5.0	U54
WW-12		10/02/85	U650	B11	
WW-13		10/02/85	1000	B5.7	U60
WW-14		10/02/85	U240	B3.8	U54
WW-15		10/08/85	U51	U35	U23
WW-16	1	10/02/85	U170	B4.5	U51
WW-16	2	10/02/85	U120	B3.5	U42
WW-16	Mean	10/02/85	U120	B3.5	U42
WW-17		10/03/85	E99	B14	E86
WW-18		10/03/85	E21	U20	U30
WW-19		10/03/85	U220	B4.7	U46
WW-20		10/03/85	E11	B11	E76

TABLE A-16. CONCENTRATIONS (UG/KG DRY WEIGHT) OF EXTRACTABLE ORGANIC COMPOUNDS IN ELLIOTT BAY SEDIMENTS: MISCELLANEOUS OXYGENATED COMPOUNDS

Station	Rep	Sampling Date	iso-phorone	benzyl alcohol	benzoic acid	dibenzo-furan
AB-01		09/26/85	U9.2	U380	U68	E540
AB-02		09/26/85	U20	U390	U160	E150
AB-03		09/26/85	U8.1	U180	U63	E14
AB-04		09/26/85	U19	U36	U780	E5.0
DR-01		09/30/85	U7.7	U92	U43	E25
DR-02		09/30/85	U9.2	U300	U48	E76
DR-03		09/30/85	U5.9	U220	U36	E21
DR-04		09/30/85	U6.4	U210	U45	E49
DR-05		09/30/85	U12	U400	U94	E11
DR-06		10/09/85	U98	U230	U1000	E340
DR-07		09/30/85	U4.9	U95	U33	E18
DR-08		09/30/85	U7.9	U300	U62	E120
DR-09		09/30/85	U4.0	U78	U29	E73
DR-10		09/30/85	U5.7	U110	U35	E92
DR-11		09/30/85	U6.5	U170	U46	E87
DR-12		09/30/85	U10	U180	U69	E110
DR-13		09/30/85	U8.7	U77	U54	E27
DR-14		09/30/85	U7.8	U125	U52	E55
DR-15		09/30/85	U9.6	U110	U64	E96
DR-16		09/30/85	U9.7	U140	U60	E370
DR-17		09/30/85	U7.2	U170	U52	E37
DR-25		10/10/85	U17	U360	U250	U8.6
EW-01		10/09/85	U58	U100	U150	E88
EW-02		10/04/85	U9.1	U260	U50	E3500
EW-03		10/04/85	U7.5	U280	U55	E110
EW-04		10/14/85	U1200	U840	U9000	U680
EW-05	1	10/14/85	U1100	U1500	U5500	U460
EW-05	2	10/14/85	U710	U8700	U2600	U250
EW-05	3	10/14/85	U450	U9300	U4000	U290
EW-05	Mean	10/14/85	U450	U1500	U2600	U250
EW-06		10/04/85	U9.7	U620	U65	E220
EW-07		10/14/85	U1100	U910	U10000	U550
EW-08		10/14/85	U2100	U1000	U11000	U140
EW-09		10/14/85	U440	U820	U3600	U310
EW-10		10/14/85	U330	U900	U2100	U270
EW-11		10/14/85	U490	U900	U3200	U360
EW-12		10/15/85	U63	E870	U350	E150
EW-13		10/15/85	U120	U60	U650	E31
EW-14		10/15/85	U90	U470	U500	E230
EW-15		10/15/85	U150	U520	U1100	X E40
EW-16		10/15/85	U120	U390	U830	U34
KG-01		09/25/85	U11	U300	U80	E79
KG-02		10/09/85	U300	U6500	U4700	E270
KG-03		09/25/85	U21	E5.2	U160	E49
KG-04		10/09/85	U450	U6300	U6500	E170
KG-05		09/30/85	U4000	U680	U15000	U4900

TABLE A-16. (CONTINUED)

Station	Sampling Rep	Date	iso-phorone	benzyl alcohol	benzoic acid	dibenzo-furan
KG-06		09/30/85	U310	U7400	U2700	U170
KG-07		09/30/85	U1300	U850	U18000	U560
KG-08		10/01/85	U4.5	U51	U32	E42
KG-09		10/01/85	U9.3	U460	U59	E78
KG-10		10/08/85	U73	U560	6300	E460
KG-11		10/01/85	U8.1	U180	U51	E25
MG-01		09/26/85	U18	U33	U140	U8.9
MG-02		09/26/85	U17	U33	U140	E12
MG-03		09/26/85	U100	U34	U730	U30
MG-04		09/26/85	U17	U34	U91	E11
NH-01		10/15/85	U200	U350	U182	E44
NH-02		10/15/85	U20	U430	U100	E94
NH-03		10/16/85	U7.7	U560	U55	E480
NH-04		10/15/85	U14	U510	U92	E360
NH-05		10/15/85	U9.6	U450	U56	E570
NH-06		10/16/85	U7.1	U530	U57	E3200
NH-07		10/09/85	U68	U83	U630	E150
NH-08		10/16/85	U6.8	U440	U59	E2600
NH-09		10/16/85	U6.2	U160	U34	E58
NH-10		10/08/85	U14	U290	U100	E10
NH-11		10/15/85	U5.1	U98	U30	E24
NS-01		10/08/85	U22	U310	U110	E18
NS-02		09/27/85	U870	U870	U19000	U1300
NS-03		10/04/85	U5.7	U90	U25	U2.9
NS-04		10/08/85	U14	U400	U77	E58
NS-05		10/04/85	U7.3	U95	U37	E31
NS-06		09/27/85	U1300	U670	U14000	U800
NS-07		10/04/85	U12	U400	U86	E230
NS-08		09/26/85	U45	U46	U330	E220
PS-01	1	10/12/85	U22	U480	U200	E13
PS-01	2	10/12/85	U13	U240	U110	E15
PS-01	Mean	10/12/85	U13	U240	U110	E14
PS-02		10/12/85	U8.1	U130	U82	U6.6
PS-02		10/12/85	U2.2	U3.9	U8.2	U2.7
PS-03		10/12/85	U5.6	U58	U46	E14
PS-04		10/12/85	U12	U340	U90	E13
PS-05		10/15/85	U58	U3100	U380	E130
SS-01		10/16/85	U7.4	U170	U43	E35
SS-03		10/04/85	U4.9	E1300	U36	E410
SS-04		10/04/85	U20	U690	U150	E560
SS-05	1	10/03/85	U27	U670	U180	E310
SS-05	2	10/03/85	U32	U66	U140	E940
SS-05	3	10/03/85	U520	U880	U4800	U370
SS-05	Mean	10/03/85	U27	U66	U140	L500
SS-06		10/03/85	U24	U670	U160	E590
SS-07		10/03/85	U63	U670	U470	E700
SS-08		09/27/85	U2600	U22000	U46000	7100

TABLE A-16. (CONTINUED)

Station	Sampling Rep	Date	iso-phorone	benzyl alcohol	benzoic acid	dibenzo-furan
SS-09		09/27/85	U190	U12000	U1100	E400
SS-10		09/27/85	U1500	U10000	U11000	U720
SS-11		09/27/85	U2900	U10000	U21000	U1700
SS-12		09/27/85	U5400	U900	U19000	U3200
WW-01		10/01/85	U5.4	U120	U31	E20
WW-02		10/09/85	U57	E8800	U500	E360
WW-03		10/01/85	U5.4	U170	U33	E48
WW-04		10/01/85	U5.2	U95	U26	E1700
WW-05		10/01/85	U5.1	U90	U27	E43
WW-06	1	10/01/85	U8.5	U120	U42	E97
WW-06	2	10/01/85	U700	U710	U15000	E190
WW-06	Mean	10/01/85	U8.5	U120	U42	E140
WW-08		10/01/85	U12	E140	U42	E90
WW-09		10/02/85	U170	U400	U1600	E220
WW-10		10/02/85	U96	U99	U950	U130
WW-11		10/02/85	U340	U600	U	U290
WW-12		10/02/85	U1100	U920	U20000	U1100
WW-13		10/02/85	U420	U860	U9000	U440
WW-14		10/02/85	U300	U1000	U3700	U300
WW-15		10/08/85	U65	U1700	U520	E200
WW-16	1	10/02/85	U200	U400	U2100	U210
WW-16	2	10/02/85	U120	U440	U1400	U140
WW-16	Mean	10/02/85	U120	U400	U1400	U140
WW-17		10/03/85	U70	U490	U1000	E120
WW-18		10/03/85	U14	U400	U85	E140
WW-19		10/03/85	U290	U8700	U2200	E190
WW-20		10/03/85	U14	U400	U140	E40

TABLE A-17. CONCENTRATIONS (UG/KG DRY WEIGHT) OF EXTRACTABLE ORGANIC COMPOUNDS IN ELLIOTT BAY SEDIMENTS: MISCELLANEOUS AROMATIC COMPOUNDS

Station	Sampling Rep	Date	2-methyl-naphtha-lene
AB-01		09/26/85	E600
AB-02		09/26/85	E170
AB-03		09/26/85	U13
AB-04		09/26/85	U28
DR-01		09/30/85	E37
DR-02		09/30/85	E24
DR-03		09/30/85	E24
DR-04		09/30/85	E71
DR-05		09/30/85	E9.6
DR-06		10/09/85	U270
DR-07		09/30/85	E8.7
DR-08		09/30/85	E72
DR-09		09/30/85	E43
DR-10		09/30/85	E39
DR-11		09/30/85	E41
DR-12		09/30/85	E55
DR-13		09/30/85	E24
DR-14		09/30/85	E29
DR-15		09/30/85	E42
DR-16		09/30/85	E110
DR-17		09/30/85	E31
DR-25		10/10/85	U27
EW-01		10/09/85	U150
EW-02		10/04/85	E270
EW-03		10/04/85	E95
EW-04		10/14/85	U2200
EW-05	1	10/14/85	U1300
EW-05	2	10/14/85	E270
EW-05	3	10/14/85	U750
EW-05	Mean	10/14/85	E270
EW-06		10/04/85	E120
EW-07		10/14/85	U1500
EW-08		10/14/85	U1400
EW-09		10/14/85	U850
EW-10		10/14/85	U630
EW-11		10/14/85	U860
EW-12		10/15/85	U60
EW-13		10/15/85	U65
EW-14		10/15/85	U78
EW-15		10/15/85	U170
EW-16		10/15/85	U130
KG-01		09/25/85	E56
KG-02		10/09/85	U650
KG-03		09/25/85	E24
KG-04		10/09/85	U1200

TABLE A-17. (CONTINUED)

Station	Rep	Sampling Date	2-methyl-naphtha-lene
KG-05		09/30/85	U8900
KG-06		09/30/85	1900
KG-07		09/30/85	U2800
KG-08		10/01/85	E23
KG-09		10/01/85	E40
KG-10		10/08/85	E880
KG-11		10/01/85	E18
MG-01		09/26/85	U28
MG-02		09/26/85	E130
MG-03		09/26/85	U110
MG-04		09/26/85	U24
NH-01		10/15/85	E30
NH-02		10/15/85	E72
NH-03		10/16/85	E220
NH-04		10/15/85	E200
NH-05		10/15/85	E440
NH-06		10/16/85	E2900
NH-07		10/09/85	U160
NH-08		10/16/85	E2400
NH-09		10/16/85	E41
NH-10		10/08/85	E4
NH-11		10/15/85	E15
NS-01		10/08/85	E7
NS-02		09/27/85	U2800
NS-03		10/04/85	E23
NS-04		10/08/85	E22
NS-05		10/04/85	E26
NS-06		09/27/85	U2900
NS-07		10/04/85	E130
NS-08		09/26/85	E73
PS-01	1	10/12/85	E3
PS-01	2	10/12/85	E3.6
PS-01	Mean	10/12/85	E3.3
PS-02		10/12/85	U18
PS-02		10/12/85	U5.1
PS-03		10/12/85	E0.3
PS-04		10/12/85	U22
PS-05		10/15/85	E75
SS-01		10/16/85	E15
SS-03		10/04/85	E140
SS-04		10/04/85	E260
SS-05	1	10/03/85	E180
SS-05	2	10/03/85	E510
SS-05	3	10/03/85	U1000
SS-05	Mean	10/03/85	E340
SS-06		10/03/85	E390

TABLE A-17. (CONTINUED)

Station	Sampling Rep	Date	2-methyl-naphtha-lene
SS-07		10/03/85	1400
SS-08		09/27/85	3300
SS-09		09/27/85	E220
SS-10		09/27/85	U2000
SS-11		09/27/85	U6500
SS-12		09/27/85	U12000
WW-01		10/01/85	E7
WW-02		10/09/85	U150
WW-03		10/01/85	E10
WW-04		10/01/85	E290
WW-05		10/01/85	E21
WW-06	1	10/01/85	E50
WW-06	2	10/01/85	U940
WW-06	Mean	10/01/85	E50
WW-08		10/01/85	E47
WW-09		10/02/85	U460
WW-10		10/02/85	U270
WW-11		10/02/85	U830
WW-12		10/02/85	U3000
WW-13		10/02/85	U1100
WW-14		10/02/85	U620
WW-15		10/08/85	U200
WW-16	1	10/02/85	U460
WW-16	2	10/02/85	U320
WW-16	Mean	10/02/85	U320
WW-17		10/03/85	E55
WW-18		10/03/85	E97
WW-19		10/03/85	U650
WW-20		10/03/85	E38

TABLE A-18. CONCENTRATIONS (UG/KG DRY WEIGHT) OF TENTATIVELY IDENTIFIED ORGANIC COMPOUNDS IN ELLIOTT BAY SEDIMENTS

Station	Sampling Rep	Date	1,1-biphenyl	carbazole	1-methyl-phenanthrene	2-methyl-phenanthrene	3-methyl-phenanthrene	retene
AB-01		09/26/85	E170	E590	E300	E290	E240	E170
AB-02		09/26/85	E71	E77	E330	E330	E220	E230
AB-03		09/26/85	U	U	U	U	U	U
AB-04		09/26/85	U	U	E13	E11	E8.6	E19
DR-01		09/30/85	U	E8.2	E25	E25	E8.0	E37
DR-02		09/30/85	U	U	E55	E41	E15	E61
DR-03		09/30/85	U	U	E19	E14	E6.4	E120
DR-04		09/30/85	E27	E32	E54	E77	E21	E180
DR-05		09/30/85	U	U	E11	E12	E7.8	E57
DR-06		10/09/85	U	U	U	U	U	U
DR-07		09/30/85	U	E7.3	E18	E15	E11	E50
DR-08		09/30/85	U	E100	E110	E120	E87	E200
DR-09		09/30/85	E18	E33	E180	E180	E82	E170
DR-10		09/30/85	E29	E86	E100	E92	E46	E140
DR-11		09/30/85	E20	E39	E83	E100	E54	E130
DR-12		09/30/85	E29	E97	E140	E130	E55	E83
DR-13		09/30/85	U	E21	E45	E45	E32	E150
DR-14		09/30/85	E17	E20	E43	E41	E37	E96
DR-15		09/30/85	E28	E52	E120	E130	E55	E28
DR-16		09/30/85	E62	E120	E310	E320	E140	E100
DR-17		09/30/85	U	E34	E60	E54	E49	E96
DR-25		10/10/85	U	U	E14	E13	E50	E57
EW-01		10/09/85	U	U	U	U	U	U
EW-02		10/04/85	E430	E390	E410	E350	E160	U
EW-03		10/04/85	E34	E54	E59	E40	E49	E63
EW-04		10/14/85	U	U	E330	E160	E430	E440
EW-05	1	10/14/85	U	U	E830	E1100	E230	E740
EW-05	2	10/14/85	U	U	U	U	U	E2200
EW-05	3	10/14/85	U	U	U	U	U	U
EW-05	Mean	10/14/85	U	U	E830	E1100	E230	E1500
EW-06		10/04/85	E47	E340	E420	E370	E860	U
EW-07		10/14/85	U	U	U	U	U	U
EW-08		10/14/85	U	U	U	U	U	U
EW-09		10/14/85	U	U	U	U	U	E320
EW-10		10/14/85	U	U	U	U	U	E130
EW-11		10/14/85	U	U	E170	E120	E180	E510
EW-12		10/15/85	U	E97	E87	E86	E61	E41
EW-13		10/15/85	U	E28	E47	E39	E45	E73
EW-14		10/15/85	U	E500	E1300	E1500	E1400	U
EW-15		10/15/85	U	E82	E130	E93	E140	E72
EW-16		10/15/85	U	U	E20	E16	E15	E96
KG-01		09/25/85	U	E90	E130	E130	E130	E150
KG-02		10/09/85	U	U	U	U	U	U
KG-03		09/25/85	U	E39	E80	E77	E71	E73

TABLE A-18. (CONTINUED)

Station	Sampling Rep	Date	1,1-biphenyl	carba-zole	1-methyl-phenanthrene	2-methyl-phenanthrene	3-methyl-phenanthrene	retene
KG-04		10/09/85	U	U	U	U	U	U
KG-05		09/30/85	U	U	U	U	U	U
KG-06		09/30/85	U	U	E160	E180	E73	E1700
KG-07		09/30/85	U	U	U	U	U	U
KG-08		10/01/85	U	U	E35	E32	E17	U
KG-09		10/01/85	U	E74	E120	E110	E84	E62
KG-10		10/08/85	U	U	U	U	U	E10000
KG-11		10/01/85	U	U	E17	E12	E15	E20
MG-01		09/26/85	U	U	U	U	U	U
MG-02		09/26/85	U	U	E15	E13	E8.2	E11
MG-03		09/26/85	U	U	U	U	U	U
MG-04		09/26/85	U	U	E2.3	E2.2	E1.3	E44
NH-01		10/15/85	U	E71	E160	E160	E150	U
NH-02		10/15/85	U	U	U	U	U	U
NH-03		10/16/85	E91	E250	E220	E290	E200	U
NH-04		10/15/85	U	U	U	U	U	U
NH-05		10/15/85	U	U	U	U	U	U
NH-06		10/16/85	E1800	E1200	E1400	E1200	E1600	U
NH-07		10/09/85	U	U	U	U	U	U
NH-08		10/16/85	E1600	E370	E900	E870	E1000	U
NH-09		10/16/85	E14	E13	E32	E30	E32	E93
NH-10		10/08/85	U	U	E17	E11	E5	E26
NH-11		10/15/85	U	U	U	U	U	U
NS-01		10/08/85	U	U	U	E15	U	U
NS-02		09/27/85	U	U	U	U	U	U
NS-03		10/04/85	E9.8	E13	E14	E14	E13	E13
NS-04		10/08/85	U	E130	E120	E110	E110	E47
NS-05		10/04/85	U	E25	E23	E20	E26	E32
NS-06		09/27/85	U	U	U	U	U	U
NS-07		10/04/85	E69	E160	E300	E550	E390	U
NS-08		09/26/85	U	E120	E390	E400	E340	U
PS-01	1	10/12/85	U	U	E8.1	E6.3	U	E17
PS-01	2	10/12/85	U	U	E6.1	E5.2	U	E13
PS-01	Mean	10/12/85	U	U	E7.1	E5.8	U	E15
PS-02		10/12/85	U	U	U	U	U	U
PS-03		10/12/85	U	U	U	U	U	U
PS-04		10/12/85	U	U	U	U	U	U
PS-05		10/15/85	U	U	E260	E200	E390	U
SS-01		10/16/85	E7.5	E24	E14	E11	E8.9	E16
SS-03		10/04/85	E67	E150	E110	E160	E190	E170
SS-04		10/04/85	E180	E320	E280	E210	E430	E340
SS-05	1	10/03/85	U	U	U	U	U	U
SS-05	2	10/03/85	E300	E650	E1100	E1200	E1100	E820
SS-05	Mean	10/03/85	E300	E650	E1100	E1200	E1100	E820
SS-06		10/03/85	U	U	U	U	U	U

TABLE A-18. (CONTINUED)

Station	Rep	Sampling Date	1,1-biphenyl	carba-zole	1-methyl-phenanthrene	2-methyl-phenanthrene	3-methyl-phenanthrene	retene
SS-07		10/03/85	U	U	U	U	U	U
SS-08		09/27/85	U	U	E100000	E110000	E97000	U
SS-09		09/27/85	U	E690	E970	E780	E1400	E1400
SS-10		09/27/85	U	U	E380	E370	E390	U
SS-11		09/27/85	U	U	U	U	U	U
SS-12		09/27/85	U	U	U	U	U	U
WW-01		10/01/85	U	U	E18	E14	E14	E17
WW-02		10/09/85	U	U	U	U	U	U
WW-03		10/01/85	U	E43	E29	E24	E11	E27
WW-04		10/01/85	E310	E350	E480	E790	E46	U
WW-05		10/01/85	E10	E27	E22	E23	E19	E63
WW-06	1	10/01/85	E21	E66	E27	E39	E6.0	E28
WW-06	2	10/01/85	U	U	E990	E990	E300	U
WW-06	Mean	10/01/85	E21	E66	E508	E514	E150	E28
WW-08		10/01/85	E30	E66	E57	E58	E53	E34
WW-09		10/02/85	U	U	E440	E430	E400	U
WW-10		10/02/85	U	U	E210	E190	E180	E170
WW-11		10/02/85	U	U	E30	E30	E30	U
WW-12		10/02/85	U	U	E610	E550	E530	U
WW-13		10/02/85	U	U	U	U	U	U
WW-14		10/02/85	U	U	E220	E220	E140	U
WW-15		10/08/85	U	U	E4.3	E4.2	E2.1	E2.0
WW-16	1	10/02/85	U	U	U	U	U	E230
WW-16	2	10/02/85	U	U	U	U	U	U
WW-16	Mean	10/02/85	U	U	U	U	U	E230
WW-17		10/03/85	U	U	U	U	U	U
WW-18		10/03/85	U	U	U	U	U	U
WW-19		10/03/85	U	U	U	U	U	U
WW-20		10/03/85	U	U	U	U	U	U

TABLE A-18. (CONTINUED)

Station	Rep	Sampling Date	dibenzo-thiophene
AB-01		09/26/85	E360
AB-02		09/26/85	E180
AB-03		09/26/85	U
AB-04		09/26/85	U
DR-01		09/30/85	U
DR-02		09/30/85	U
DR-03		09/30/85	U
DR-04		09/30/85	U
DR-05		09/30/85	U
DR-06		10/09/85	U
DR-07		09/30/85	E8.5
DR-08		09/30/85	E61
DR-09		09/30/85	E73
DR-10		09/30/85	E88
DR-11		09/30/85	E57
DR-12		09/30/85	E76
DR-13		09/30/85	U
DR-14		09/30/85	E29
DR-15		09/30/85	E120
DR-16		09/30/85	E160
DR-17		09/30/85	U
DR-25		10/10/85	U
EW-01		10/09/85	U
EW-02		10/04/85	E560
EW-03		10/04/85	U
EW-04		10/14/85	U
EW-05	1	10/14/85	U
EW-05	2	10/14/85	U
EW-05	3	10/14/85	U
EW-05	Mean	10/14/85	U
EW-06		10/04/85	U
EW-07		10/14/85	U
EW-08		10/14/85	U
EW-09		10/14/85	U
EW-10		10/14/85	U
EW-11		10/14/85	U
EW-12		10/15/85	E71
EW-13		10/15/85	U
EW-14		10/15/85	E340
EW-15		10/15/85	U
EW-16		10/15/85	U
KG-01		09/25/85	E78
KG-02		10/09/85	U
KG-03		09/25/85	E37
KG-04		10/09/85	U
KG-05		09/30/85	U

TABLE A-18. (CONTINUED)

Station	Sampling Rep	Date	dibenzo-thio-phene
KG-06		09/30/85	U
KG-07		09/30/85	U
KG-08		10/01/85	U
KG-09		10/01/85	U
KG-10		10/08/85	U
KG-11		10/01/85	U
MG-01		09/26/85	U
MG-02		09/26/85	U
MG-03		09/26/85	U
MG-04		09/26/85	U
NH-01		10/15/85	E76
NH-02		10/15/85	U
NH-03		10/16/85	E150
NH-04		10/15/85	U
NH-05		10/15/85	U
NH-06		10/16/85	E610
NH-07		10/09/85	U
NH-08		10/16/85	E760
NH-09		10/16/85	U
NH-10		10/08/85	U
NH-11		10/15/85	U
NS-01		10/08/85	U
NS-02		09/27/85	U
NS-03		10/04/85	U
NS-04		10/08/85	E52
NS-05		10/04/85	U
NS-06		09/27/85	U
NS-07		10/04/85	E110
NS-08		09/26/85	E210
PS-01	1	10/12/85	U
PS-01	2	10/12/85	U
PS-01	Mean	10/12/85	U
PS-02		10/12/85	U
PS-03		10/12/85	U
PS-04		10/12/85	U
PS-05		10/15/85	U
SS-01		10/16/85	U
SS-03		10/04/85	E65
SS-04		10/04/85	U
SS-05	1	10/03/85	U
SS-05	2	10/03/85	E570
SS-05	3	10/03/85	U
SS-05	Mean	10/03/85	E570
SS-06		10/03/85	U
SS-07		10/03/85	U
SS-08		09/27/85	E2900

TABLE A-18. (CONTINUED)

<u>Station</u>	<u>Sampling Rep</u>	<u>Date</u>	dibenzo-thio-phene
SS-09		09/27/85	U
SS-10		09/27/85	U
SS-11		09/27/85	U
SS-12		09/27/85	U
WW-01		10/01/85	U
WW-02		10/09/85	U
WW-03		10/01/85	U
WW-04		10/01/85	E950
WW-05		10/01/85	E15
WW-06	1	10/01/85	U
WW-06	2	10/01/85	E570
WW-06	Mean	10/01/85	E570
WW-08		10/01/85	U
WW-09		10/02/85	U
WW-10		10/02/85	U
WW-11		10/02/85	U
WW-12		10/02/85	U
WW-13		10/02/85	U
WW-14		10/02/85	U
WW-15		10/08/85	U
WW-16	1	10/02/85	U
WW-16	2	10/02/85	U
WW-16	Mean	10/02/85	U
WW-17		10/03/85	U
WW-18		10/03/85	U
WW-19		10/03/85	U
WW-20		10/03/85	U

TABLE A-19. CONCENTRATIONS (MG/KG DRY WEIGHT) OF PESTICIDES AND TOTAL POLYCHLORINATED BIPHENYLS IN ELLIOTT BAY SEDIMENTS

Station	Sampling Rep	Date	p,p'-DDE	p,p'-DDD	p,p'-DDT	aldrin	dieldrin	alpha-HCH	beta-HCH
AB-01		09/26/85	U4.6	U5.5	U4.9	U4.1	U3.9	U2.6	U5.6
AB-02		09/26/85	U3.8	U4.6	U2.3	U3.4	U3.2	U2.1	U4.7
AB-03		09/26/85	U2.1	U2.5	U2.3	U1.9	U1.8	U1.2	U2.6
AB-04		09/26/85	U1.9	U2.8	U2.4	U1.7	U2.4	U1.0	U2.5
DR-01		09/30/85	U6.5	U7.8	U7.0	U5.9	U5.5	U3.6	U8.0
DR-02		09/30/85	U8.6	U10	U9.3	U7.8	U7.3	U4.8	U11
DR-03		09/30/85	U5.3	U6.4	U5.7	U4.8	U4.5	U2.9	U6.5
DR-04		09/30/85	U5.6	U6.8	U6.1	U19	U4.8	U3.1	U6.9
DR-05		09/30/85	U4.6	U5.6	33	U4.2	U3.9	U2.6	U5.7
DR-06		10/09/85	U6.0	U8.6	U6.6	U4.7	U6.2	U2.5	U6.2
DR-07		09/30/85	U4.5	U5.5	U4.9	U4.1	U3.9	U2.5	U5.6
DR-08		09/30/85	52	38	U15	U13	U12	U7.9	U17
DR-09		09/30/85	U4.9	U5.9	U5.3	U4.4	U4.2	U2.7	U6.1
DR-10		09/30/85	62	34	65	U7.9	U7.5	U4.7	U11
DR-11		09/30/85	U8.6	U10	U9.3	U7.8	U7.3	U4.8	U11
DR-12		09/30/85	U9.0	U11	U9.7	U8.1	U7.6	U5.0	U11
DR-13		09/30/85	U8.2	U9.9	U8.8	U7.4	U6.9	U4.6	U10
DR-14		09/30/85	U8.0	U9.7	U8.7	U7.2	U6.8	U4.5	U10
DR-15		09/30/85	U13	U16	U14	U12	U11	U7.4	U16
DR-16		09/30/85	U10	U12	U11	U9.3	U8.7	U5.7	U13
DR-17		09/30/85	U8.1	U10	U8.8	U7.3	U6.9	U4.5	U10
DR-25		10/10/85	U3.1	U3.7	U3.4	U2.8	U2.6	U1.7	U3.8
EW-01		10/09/85	U6.2	U8.8	U6.8	U4.8	U6.4	U2.6	U6.3
EW-02		10/04/85	U12	U15	U69	U11	U10	U6.9	U15
EW-03		10/04/85	U12	U14	U74	U11	U10	U6.6	U14
EW-04		10/14/85	U8.2	U12	U10	U7.3	U10	U4.3	U11
EW-05	1	10/14/85	E79	U42	U36	U26	U36	U15	U38
EW-05	2	10/14/85	U14	U21	E250	U13	U18	U7.5	U19
EW-05	3	10/14/85	E19	U15	U13	U9.4	U13	U5	U14
EW-05	Mean	10/14/85	E48	U15	L84	U9.4	U13	U5	U14
EW-06		10/04/85	U16	U19	U17	U14	U13	U8.8	U20
EW-07		10/14/85	U10	U15	U12	U9.1	U13	U5.3	U13
EW-08		10/14/85	U9.4	U14	U12	U8.4	U12	U4.9	U12
EW-09		10/14/85	U9.1	U13	U11	U8.1	U11	U4.7	U12
EW-10		10/14/85	U9.1	U13	U11	U8.1	U11	U4.7	U12
EW-11		10/14/85	U12	U18	U15	U11	U15	U6.3	U16
EW-12		10/15/85	U3.7	U5.3	U4.5	U3.3	U4.6	U1.9	U4.8
EW-13		10/15/85	U5.3	U7.7	34	U4.7	U6.6	U2.8	U6.8
EW-14		10/15/85	U5.2	U7.5	U6.3	U4.6	U6.4	U2.7	U6.6
EW-15		10/15/85	U3.8	U5.5	U4.6	U3.4	U4.7	U2.0	U4.9
EW-16		10/15/85	U3.3	U4.8	U4.6	U2.9	U4.1	U1.7	U4.2
KG-01		09/25/85	U7.3	U8.8	U7.9	U6.6	U6.2	U4.1	U9.0
KG-02		10/09/85	U6.5	U9.3	U7.2	U5.1	U6.7	U2.7	U6.6
KG-03		09/25/85	U4.4	U5.3	U4.7	U4.0	U3.7	U2.4	U5.4
KG-04		10/09/85	U5.9	U8.4	U6.5	U4.6	U6.1	U2.5	U6.0
KG-05		09/30/85	U6.8	U9.7	U7.5	U5.3	U7.0	U2.9	U7.0

TABLE A-19. (CONTINUED)

Station	Rep	Sampling Date	Sampling						alpha-HCH	beta-HCH
			p,p'-DDE	p,p'-DDD	p,p'-DDT	aldrin	dieldrin			
KG-06		09/30/85	U13	U19	E270	U12	U17	U7.0	U17	
KG-07		09/30/85	U7.9	U11	U8.7	U6.2	U8.2	U3.3	U8.1	
KG-08		10/01/85	U5.8	U7.0	U6.2	U5.2	U4.9	U3.2	U7.1	
KG-09		10/01/85	U8	U10	U9	U7	U7	U5	U10	
KG-10		10/08/85	U11	U16	U12	U8.7	U11	U4.7	U11	
KG-11		10/01/85	U6	U7	U6	U5	U5	U3	U7	
MG-01		09/26/85	U1.1	U1.7	U1.4	U1.0	U1.4	U0.59	U1.5	
MG-02		09/26/85	U1.8	U2.6	U2.2	U1.6	U2.2	U0.93	U2.3	
MG-03		09/26/85	U1.6	U2.3	U2.0	U1.4	U2.0	U0.84	U2.1	
MG-04		09/26/85	U2.2	U3.1	U2.6	U1.9	U2.7	U1.1	U2.8	
NH-01		10/15/85	U3.9	U5.6	U4.7	U3.4	U4.8	U2.0	U5.0	
NH-02		10/15/85	U4.0	U5.9	U4.9	U3.6	U5.0	U2.1	U5.2	
NH-03		10/16/85	U20	120	U22	U18	U17	U11	U24	
NH-04		10/15/85	U7.8	U11	U9.4	U6.9	U9.6	U4.0	U10	
NH-05		10/15/85	U5.3	U7.7	U6.4	U4.7	U6.6	U2.8	U6.8	
NH-06		10/16/85	U14	U17	U15	U26	U12	U7.8	U17	
NH-07		10/09/85	U5.2	U7.4	U5.8	U4.1	U5.4	U2.2	U5.3	
NH-08		10/16/85	U9.2	U11	U10	U17	U7.8	U5.1	U11	
NH-09		10/16/85	U4.0	U4.8	U4.3	U3.6	U3.4	U7.2	U4.9	
NH-10		10/08/85	U7	U8	U12	E90	E51	U4	U8	
NH-11		10/15/85	U2.8	U5.6	U4.7	U3.4	U4.8	U2.0	U4.9	
NS-01		10/08/85	U4.8	U5.9	U5.3	U4.4	U4.1	U2.7	U6.0	
NS-02		09/27/85	U8.2	U12	U9.0	U6.4	U8.5	U3.5	U8.4	
NS-03		10/04/85	U7	U8	U7	U6	U6	U4	U8	
NS-04		10/08/85	U3.2	U3.8	U3.4	U2.9	U2.7	U1.8	U3.9	
NS-05		10/04/85	U6	U7	U7	U6	U5	U3	U8	
NS-06		09/27/85	U6.1	U8	U6.8	U4.8	U6.4	U2.6	U6.3	
NS-07		10/04/85	U8	U10	U9	U7	U7	U5	U10	
NS-08		09/26/85	U3.1	U4.4	U3.7	U2.7	U3.8	U1.6	U3.9	
PS-01	1	10/12/85	U2.7	U33	U3.0	U2.5	U2.3	U1.5	U3.4	
PS-01	2	10/12/85	U2.1	U2.6	U2.3	U1.9	U1.8	U1.2	U2.6	
PS-01	Mean	10/12/85	U2.1	U2.6	U2.3	U1.9	U1.8	U1.2	U2.6	
PS-02		10/12/85	U1.9	U2.3	U2.1	U1.7	U1.6	U1.1	U2.4	
PS-03		10/12/85	U1.8	U2.1	U1.9	U1.6	U1.5	U0.99	U2.2	
PS-04		10/12/85	U1.6	U1.9	U1.7	U1.4	U1.3	U0.87	U1.9	
PS-05		10/15/85	U5.2	U7.5	U5.8	U4.1	U5.4	U2.2	U5.4	
SS-01		10/16/85	U4.8	U5.8	U5.2	U4.3	U4.1	U2.7	U5.9	
SS-03		10/04/85	U14	29	U15	U12	U12	U8	U17	
SS-04		10/04/85	U27	63	180	U24	U23	U15	U33	
SS-05	1	10/03/85	U7.5	U11	U9.1	U6.7	U9.3	U3.9	U9.7	
SS-05	2	10/03/85	U8.9	16	U11	U7.9	U11	U4.6	U11	
SS-05	3	10/03/85	U11	U16	U13	U9.8	U14	U5.7	U14	
SS-05	Mean	10/03/85	U7.5	L15	U9.1	U6.7	U9.3	U3.9	U9.7	
SS-06		10/03/85	U13	U19	U16	U11	U16	U6.7	U17	
SS-07		10/03/85	U8.7	U13	U11	U7.7	U11	U4.5	U11	
SS-08		09/27/85	U39	U55	U43	U30	U40	U16	U40	

TABLE A-19. (CONTINUED)

Station	Rep	Sampling Date	Sampling				alpha-HCH	beta-HCH
			p,p'-DDE	p,p'-DDD	p,p'-DDT	aldrin		
SS-09		09/27/85	36	E140	U24	75	U22	U9.1
SS-10		09/27/85	U13	U18	U14	U9.9	U13	U5.3
SS-11		09/27/85	U9.8	U14	U11	U7.7	U10	U4.1
SS-12		09/27/85	U9.4	U13	U10	U7.4	U9.7	U4.0
WW-01		10/01/85	U7	U8	U7	U6	U6	U4
WW-02		10/09/85	U8.5	U12	U9.4	U6.7	U8.8	U3.6
WW-03		10/01/85	U6	U7	U6	U5	U5	U3
WW-04		10/01/85	U13	U16	U14	U12	U11	U7
WW-05		10/01/85	U8	U10	U9	U7	U7	U5
WW-06	1	10/01/85	U14	U17	U16	U13	U12	U8
WW-06	2	10/01/85	U11	U16	U12	U8.9	U12	U4.8
WW-06	Mean	10/01/85	U11	U16	U12	U8.9	U12	U4.8
WW-08		10/01/85	U13	U15	U14	U11	U11	U7
WW-09		10/02/85	U13	E80	U15	U11	U14	U5.7
WW-10		10/02/85	U10	U15	U11	U8.1	U11	U4.3
WW-11		10/02/85	U13	U18	U14	U9.9	U13	U5.4
WW-12		10/02/85	U9.9	U14	U11	U7.7	U10	U4.2
WW-13		10/02/85	U8.1	U12	U8.9	U6.3	U8.4	U3.4
WW-14		10/02/85	U9.6	U14	U11	U7.5	U10	U4.1
WW-15		10/08/85	U6.7	U9.5	U7.4	U5.2		U2.8
WW-16	1	10/02/85	U11	U15	U12	U8.3	U11	U4.5
WW-16	2	10/02/85	U13	U19	U14	U10	U13	U5.5
WW-16	Mean	10/02/85	U11	U15	U12	U8.3	U11	U4.5
WW-17		10/03/85	U4.7	U6.7	U5.7	U4.1	U5.8	U2.4
WW-18		10/03/85	U4.5	11	U5.5	U4.0	U5.6	U2.4
WW-19		10/03/85	U11	U16	U13	U9.0	U12	U4.9
WW-20		10/03/85	U4.0	U5.8	U4.9	U3.6	U5.0	U2.1
								U5.2

TABLE A-19. (CONTINUED)

Station	Sampling Rep	Date	delta-HCH	gamma-HCH (lindane)	chlordanne	endrin	endrin-aldehyde	hepta-chlor	total PCBs
AB-01		09/26/85	U3.1	U2.9	U67	U5.2	U6.8	U3.8	E130
AB-02		09/26/85	U2.6	U2.4	U31	U4.3	U3.1	U3.2	E97
AB-03		09/26/85	U1.4	U1.4	U31	U2.4	U3.1	U1.8	U160
AB-04		09/26/85	U1.3	U1.1	U31	U2.4	U3.3	U1.6	U180
DR-01		09/30/85	U4.4	U4.2	U95	U7.4	9.6	U5.4	E520
DR-02		09/30/85	U5.8	U5.5	U130	U9.8	U13	U7.2	E290
DR-03		09/30/85	U3.4	U3.4	U78	U6.0	U7.8	U4.4	E640
DR-04		09/30/85	U3.8	U3.6	U82	U6.4	U8.3	U4.7	E570
DR-05		09/30/85	U3.1	U3.0	U68	U5.3	U6.9	U3.9	E570
DR-06		10/09/85	U3.4	U3.0	U95	U7.4	U7.0	U4.3	E350
DR-07		09/30/85	U3.1	U2.9	U67	U5.1	U6.7	U3.8	E490
DR-08		09/30/85	U9.5	U9.1	U210	U16	68	U12	E5800
DR-09		09/30/85	U3.3	U3.2	U72	U5.6	U7.3	U4.1	E170
DR-10		09/30/85	U6.0	U5.7	U130	U10	U13.0	U7.4	E2100
DR-11		09/30/85	U5.8	U5.5	U130	U9.8	U13	U7.2	E830
DR-12		09/30/85	U6.1	U5.8	U130	U10	U13	U7.5	E830
DR-13		09/30/85	U5.5	U5.3	U120	U9.3	U12	U6.8	E950
DR-14		09/30/85	U5.4	U5.2	U120	U9.1	U12	U6.7	E810
DR-15		09/30/85	U9	U8.5	U190	U15	U20	U11	E230
DR-16		09/30/85	U7.0	U6.6	U150	U12	U15	U8.6	E680
DR-17		09/30/85	U5.5	U5.2	U120	U9.2	U12	U6.8	E640
DR-25		10/10/85	U2.1	U2.0	U46	U3.5	U4.6	U2.6	U240
EW-01		10/09/85	U3.5	U3.1	U97	U7.6	U7.1	U4.4	E560
EW-02		10/04/85	U8.3	U7.9	U180	U14	U18	U11	E980
EW-03		10/04/85	U8.0	U7.6	U170	U13	U17	U10	E1000
EW-04		10/14/85	U5.6	U4.9	U130	U10	U14	U6.8	E430
EW-05	1	10/14/85	U20	U17	U460	U36	U49	U24	E2200
EW-05	2	10/14/85	U9.8	U8.5	230	U18	U24	U12	E3400
EW-05	3	10/14/85	U7.2	U6.3	U170	U13	U18	U8.7	E2300
EW-05	Mean	10/14/85	U7.2	U6.3	L200	U13	U18	U8.7	E2500
EW-06		10/04/85	U11	U10	U230	U18	U23	U13	E1500
EW-07		10/14/85	U7.0	U6.0	U160	U13	U17	U8.4	E370
EW-08		10/14/85	U6.4	U5.6	U150	U12	U16	U7.8	E540
EW-09		10/14/85	U6.2	U5.4	U140	U11	U15	U7.5	E530
EW-10		10/14/85	U6.2	U5.4	U140	U11	U15	U7.5	E500
EW-11		10/14/85	U8.3	U7.2	U190	U15	U20	U10	E950
EW-12		10/15/85	U2.5	U2.2	U58	U4.6	U6.2	U3.0	E140
EW-13		10/15/85	U3.6	U3.1	U83	U6.6	U8.9	U4.4	E450
EW-14		10/15/85	U3.5	U3.0	U81	U6.4	U8.7	U4.2	E340
EW-15		10/15/85	U2.6	U2.2	U60	U4.7	U6.4	U3.1	E130
EW-16		10/15/85	U2.2	U1.9	U52	U4.1	U5.5	U2.7	E59
KG-01		09/25/85	U4.9	U4.7	U110	U8.3	U11	U6.1	E490
KG-02		10/09/85	U3.7	U3.2	U100	U8.0	U7.5	U4.7	U405
KG-03		09/25/85	U3.0	U2.8	U64	U5.0	U6.5	U3.7	E300
KG-04		10/09/85	U3.3	U2.9	U93	U7.2	U6.8	U4.2	U370
KG-05		09/30/85	U3.8	U3.4	U110	U8.4	U7.9	U4.9	E180

TABLE A-19. (CONTINUED)

Station	Sampling Rep	Date	delta-HCH	gamma-HCH (lindane)	chlordanne	endrin	endrin-aldehyde	hepta-chlor	total PCBs
KG-06		09/30/85	U9.2	U7.9	U210	U17	U23	U11	E3100
KG-07		09/30/85	U4.5	U4.0	U130	U9.8	U9.2	U5.7	U500
KG-08		10/01/85	U3.9	U3.7	U85	U6.5	U8.4	U4.8	E190
KG-09		10/01/85	U6	U5	U120	U9	U12	U7	E280
KG-10		10/08/85	U6.3	U5.5	U180	U14	U13	U8.0	U690
KG-11		10/01/85	U4	U4	U84	U6	U8	U5	E180
MG-01		09/26/85	U0.78	U0.68	U18	U1.4	U1.9	U0.94	U100
MG-02		09/26/85	U1.2	U1.1	U28	U2.2	U3.0	U1.5	U160
MG-03		09/26/85	U1.1	U1.0	U26	U2.0	U2.7	U1.3	U150
MG-04		09/26/85	U1.5	U1.3	U34	U2.7	U3.6	U1.8	U200
NH-01		10/15/85	U2.6	U2.3	U61	U4.8	U6.5	U3.2	E160
NH-02		10/15/85	U2.8	U2.4	U6.4	U5.1	U6.8	U3.3	E190
NH-03		10/16/85	U13	U13	U290	U23	U29	U17	E3300
NH-04		10/15/85	U5.3	U4.6	U122	U9.7	U13	U6.4	E160
NH-05		10/15/85	U3.6	U3.1	U83	U6.6	U8.9	U4.4	E500
NH-06		10/16/85	U9.4	U9.0	U210	U16	U21	U12	E600
NH-07		10/09/85	U3.0	U2.6	U82	U6.4	U6.0	U38	U330
NH-08		10/16/85	U6.2	U5.9	U140	U10	U14	U7.7	E1300
NH-09		10/16/85	U2.7	U2.6	U58	U4.5	U5.9	U3.3	E280
NH-10		10/08/85	U4	U4	U160	E8	U10	E6	E160
NH-11		10/15/85	U2.6	U2.3	U60	U4.8	U6.5	U3.2	E300
NS-01		10/08/85	U3.3	U3.1	U72	U5.5	U7.2	U4.1	U390
NS-02		09/27/85	U4.6	U4.1	U130	U10	U9.5	U5.9	U510
NS-03		10/04/85	U5	U4	U100	U8	U10	U6	E310
NS-04		10/08/85	U2.2	U2.0	U47	U3.6	U4.7	U2.7	U250
NS-05		10/04/85	U4	U4	U91	U7	U9	U5	E200
NS-06		09/27/85	U3.5	U3.1	U97	U7.6	U7.1	U4.4	U380
NS-07		10/04/85	U5	U5	U120	U9	U12	U7	E330
NS-08		09/26/85	U2.1	U1.8	U48	U3.8	U5.1	U2.5	U280
PS-01	1	10/12/85	U1.8	U1.8	U40	U3.1	U4.0	U2.3	U220
PS-01	2	10/12/85	U1.4	U1.4	U31	U2.4	U3.2	U1.8	U170
PS-01	Mean	10/12/85	U1.4	U1.4	U31	U2.4	U3.2	U1.8	U170
PS-02		10/12/85	U1.3	U1.2	U28	U2.2	U2.8	U1.6	U150
PS-03		10/12/85	U1.1	U1.2	U26	U2.0	U2.6	U1.5	U140
PS-04		10/12/85	U1.0	U1.0	U23	U1.8	U2.3	U1.3	U120
PS-05		10/15/85	U3.0	U2.6	U8.3	U6.4	U6.0	U3.8	U330
SS-01		10/16/85	U3.2	U3.1	U70	U5.4	U7.1	U4.0	U380
SS-03		10/04/85	U9	U9	U200	U16	U20	U12	E570
SS-04		10/04/85	U18	U17	U400	U31	U40	U23	E1600
SS-05	1	10/03/85	U5.1	U4.4	U120	U9.4	U13	U6.2	E560
SS-05	2	10/03/85	U6.1	U5.3	U140	U11	U15	U7.3	E600
SS-05	3	10/03/85	U7.5	U6.5	U170	U14	U19	U9.1	E610
SS-05	Mean	10/03/85	U5.1	U4.4	U120	U9.4	U13	U6.2	E600
SS-06		10/03/85	U8.8	U7.6	U200	U16	U22	U11	E570
SS-07		10/03/85	U5.9	U5.1	U140	U11	U15	U7.1	E460
SS-08		09/27/85	U22	U19	U610	U48	U45	U28	U2400

TABLE A-19. (CONTINUED)

Station	Sampling Rep	Date	delta-HCH	gamma-HCH (lindane)	chlordanne	endrin	endrin-aldehyde	hepta-chlor	total PCBs
SS-09		09/27/85	U12	U11	U340	U27	U25	U15	E3300
SS-10		09/27/85	U7.2	U6.3	U200	U16	U15	U9.1	U790
SS-11		09/27/85	U5.5	U4.9	U160	U12	U11	U7.0	E260
SS-12		09/27/85	U5.3	U4.7	U150	U12	U11	U6.8	E220
WW-01		10/01/85	U4	U4	U97	U7	U10	U6	E160
WW-02		10/09/85	U4.8	U4.3	U140	U11	U9.9	U6.1	E510
WW-03		10/01/85	U4	U4	U86	U7	U9	U5	U460
WW-04		10/01/85	U9	U8	U190	U15	U20	U11	E500
WW-05		10/01/85	U6	U5	U120	U9	U12	U7	E1200
WW-06	1	10/01/85	U10	U9	U210	U16	U21	U12	E610
WW-06	2	10/01/85	24	U5.7	U180	U14	U13	U8.1	U710
WW-06	Mean	10/01/85	L17	U5.7	U180	U14	U13	U8.1	E610
WW-08		10/01/85	U9	U8	U190	U14	U19	U11	E620
WW-09		10/02/85	U7.6	U6.7	U210	U17	U16	U9.7	E1500
WW-10		10/02/85	U5.8	U5.2	U160	U13	U12	U7.4	E300
WW-11		10/02/85	U7.2	U6.4	U200	U16	U15	U9.1	E470
WW-12		10/02/85	U5.6	U5.0	U160	U12	U11	U7.1	E410
WW-13		10/02/85	U4.6	U4.1	U130	U10	U9.4	U5.8	U500
WW-14		10/02/85	U5.4	U4.8	U150	U12	U11	U6.9	E380
WW-15		10/08/85	U3.8	U3.3		U8.9	U7.7	U4.8	
WW-16	1	10/02/85	U6.0	U5.3	U170	U13	U12	U7.6	E570
WW-16	2	10/02/85	U7.4	U6.5	U100	U16	U15	U9.4	E720
WW-16	Mean	10/02/85	U6.0	U5.3	U100	U13	U12	U7.6	E640
WW-17		10/03/85	U32	U2.7	U73	U5.8	U7.8	U3.8	E360
WW-18		10/03/85	U3.1	U2.7	U71	U5.7	U7.6	U3.7	E270
WW-19		10/03/85	U6.5	U5.8	U180	U14	U13	U8.3	E320
WW-20		10/03/85	U2.7	U2.4	U63	U5.0	U6.7	U3.3	E160

TABLE A-20. CONVENTIONAL VARIABLES IN ELLIOTT BAY SEDIMENTS: TOTAL SOLIDS, TOTAL VOLATILE SOLIDS, TOTAL ORGANIC CARBON, NITROGEN, OIL AND GREASE, AND SULFIDES

Station	Sampling Rep	Date	percent total solids	percent total volatile solids	percent total organic carbon	percent nitrogen	oil and grease (ppm)	sulfide (ppm)
AB-01		09/26/85	65.48	5.32	E1.49	0.093	1899	29
AB-02		09/26/85	65.57	4.28	E1.27	0.069	483	9
AB-03		09/26/85	72.76	1.45	E0.29	0.038	194	8
AB-04		09/26/85	70.72	2.38	E0.45	0.044	86	10
DR-01		09/30/85	55.98	7.74	E2.02	0.12	369	48
DR-02		09/30/85	42.27	13.57	E3.75	0.24	1654	345
DR-03		09/30/85	58.07	7.51	E1.85	0.098	379	130
DR-04		09/30/85	59.46	6.27	E2.03	0.096	389	20
DR-05		09/30/85	66.07	4.31	E1.20	0.066	398	77
DR-06	1	10/09/85	70.70	2.61	E0.68	0.047	211	33
DR-06	2	10/09/85	68.88	2.33	E0.69	0.048		
DR-06	3	10/09/85	69.48	2.65	E0.69	0.046		
DR-06	Mean	10/09/85	69.69	2.53	E0.69	0.047	211	33
DR-07		09/30/85	72.24	2.62	E0.60	0.039	147	110
DR-08		09/30/85	43.78	11.95	E3.35	0.18	2827	244
DR-09		09/30/85	65.23	5.92	E2.10	0.083	258	100
DR-10		09/30/85	67.15	4.87	E1.09	0.056	7598	90
DR-11		09/30/85	53.21	10.43	E2.64	0.15	1011	170
DR-12		09/30/85	48.82	8.79	E2.18	0.14	1015	190
DR-13		09/30/85	55.86	7.28	E1.90	0.11	640	180
DR-14	1	09/30/85	50.68	9.14	E2.58	0.15	1005	160
DR-14	2	09/30/85	51.06				876	
DR-14	3	09/30/85	51.58				940	
DR-14	Mean	09/30/85	51.10	9.14	E2.58	0.15	940	160
DR-15		09/30/85	31.30	14.06	E1.60	0.099	860	240
DR-16		09/30/85	43.92	11.22	E3.10	0.19	1193	150
DR-17		09/30/85	50.68	8.21	E2.21	0.13	756	215
DR-25	1	10/10/85	74.32	4.25	E1.36	0.084	528	110
DR-25	2	10/10/85					525	
DR-25	3	10/10/85					539	
DR-25	Mean	10/10/85	74.32	4.25	E1.36	0.084	531	110
EW-01		10/09/85	73.02	3.34	E1.15	0.039	249	51
EW-02		10/04/85	46.61	8.20	E2.40	0.12	1693	367
EW-03		10/04/85	45.71	7.68	E2.66	0.17	1961	234
EW-04	1	10/14/85	53.80	7.55	E1.96	0.12	1454	193
EW-04	2	10/14/85	59.41	6.90			1326	
EW-04	3	10/14/85	54.41				1322	
EW-04	Mean	10/14/85	55.87	7.23	E1.96	0.12	1367	193
EW-05	1	10/14/85	32.79	8.76	E9.10	0.64	11813	1730
EW-05	2	10/14/85		7.05				
EW-05	3	10/14/85		8.78				
EW-05	4	10/14/85	53.34	11.97	E5.65	0.32	3453	611
EW-05	5	10/14/85	54.16	12.26	E5.71	0.32	4120	511

TABLE A-20. (CONTINUED)

Station	Rep	Sampling Date	percent total solids	percent volatile solids	percent total organic carbon	percent nitrogen	oil and grease (ppm)	sulfide (ppm)
EW-05	Mean	10/14/85	43.27	10.16	E7.39	0.48	7800	1100
EW-06		10/04/85	39.92	10.96	E4.09	0.23	3299	744
EW-07		10/14/85	50.50	7.71	E2.10	0.14	1546	219
EW-08	1	10/14/85	46.37	10.25	E2.44	0.14	2029	298
EW-08	2	10/14/85			E2.46	0.15		
EW-08	3	10/14/85			E2.40	0.15		
EW-08	Mean	10/14/85	46.37	10.25	E2.43	0.15	2029	298
EW-09		10/14/85	52.24	7.27	E2.27	0.14	2406	327
EW-10		10/14/85	51.10	6.90	E2.52	0.14	1501	251
EW-11		10/14/85	47.23	8.96	E3.43	0.17	2712	453
EW-12	1	10/15/85	58.98	5.73	E1.40	0.1	840	176
EW-12	2	10/15/85		5.95	E0.75	0.1		
EW-12	3	10/15/85		5.81	E1.34	0.099		
EW-12	Mean	10/15/85	58.98	5.83	E1.16	0.1	840	176
EW-13	1	10/15/85	55.24	6.02	E1.63	0.093	806	100
EW-13	2	10/15/85		5.33	E1.68	0.097		
EW-13	3	10/15/85		6.28	E1.64	0.095		
EW-13	Mean	10/15/85	55.24	5.88	E1.65	0.095	806	100
EW-14		10/15/85	53.31	6.80	E1.98	0.11	984	170
EW-15		10/15/85	48.52	9.26	E2.73	0.15	1199	276
EW-16		10/15/85	66.32	3.54	E1.04	0.059	299	31
KG-01		09/25/85	43.58	9.20	E3.13	0.18	1954	96
KG-02		10/09/85	70.28	2.95	E0.86	0.06	604	10
KG-03		09/25/85	49.23	9.64	E2.47	0.16	1238	170
KG-04		10/09/85	73.41	3.00	E1.07	0.052	1092	110
KG-05		09/30/85	70.04	10.80	E3.74	0.11	2780	168
KG-06		09/30/85	58.21	6.61	E1.64	0.096	1306	242
KG-07		09/30/85	53.48	8.46	E2.62	0.12	997	160
KG-08		10/01/85	72.63	4.32	E1.70	0.061	153	68
KG-09		10/01/85	54.58	7.07	E1.76	0.11	875	209
KG-10		10/08/85	85.36	17.19	E10.00	0.28	164	U6
KG-11		10/01/85	72.78	2.66	E0.45	0.047	240	59
MG-01		09/26/85	76.22	1.01	E0.20	0.028	47	U7
MG-02		09/26/85	75.44	1.09	E0.21	0.028	40	7
MG-03		09/26/85	74.65	1.27	E0.18	0.024	43	U7
MG-04		09/26/85	74.83	1.17	E0.16	0.022	38	U7
NH-01		10/15/85	71.99	2.93	E0.99	0.057	248	100
NH-02		10/15/85	60.40	5.82	E1.78	0.09	567	177
NH-03		10/16/85	41.18	7.25	E3.01	0.15	4089	872
NH-04		10/15/85	49.01	5.93	E2.04	0.13	1488	382
NH-05		10/15/85	57.69	8.40	E2.55	0.11	658	206
NH-06		10/16/85	47.12	10.20	E4.14	0.15	1923	505
NH-07		10/09/85	76.22	1.69	E0.11	0.016	37	25
NH-08		10/16/85	57.63	5.25	E1.96	0.092	2041	219
NH-09	1	10/16/85	70.91	3.84	E1.11	0.061	360	55

TABLE A-20. (CONTINUED)

Station	Sampling Rep	Date	percent total solids	percent volatile solids	percent total organic carbon	percent nitrogen	oil and grease (ppm)	sulfide (ppm)
NH-09	2	10/16/85					222	
NH-09	3	10/16/85					228	
NH-09	Mean	10/16/85	70.91	3.84	E1.11	0.061	270	55
NH-10		10/08/85	89.17	2.21	E0.47	0.024	1051	8
NH-11		10/15/85	66.94	2.77	E0.63	0.045	252	24
NS-01		10/08/85	83.03	2.18	E0.43	0.034	790	80
NS-02		09/27/85	51.48	6.20	E1.66	0.105	948	150
NS-03		10/04/85	70.57	2.24	E0.72	0.048	661	48
NS-04		10/08/85	81.32	3.61	E0.46	0.051	469	68
NS-05	1	10/04/85	66.53	2.82	E0.83	0.055	326	30
NS-05	2	10/04/85	66.95				351	
NS-05	3	10/04/85	66.61				394	
NS-05	Mean	10/04/85	66.70	2.82	E0.83	0.055	357	30
NS-06		09/27/85	70.95	3.89	E0.96	0.053	595	100
NS-07		10/04/85	62.55	6.15	E2.28	0.084	792	37
NS-08		09/26/85	55.59	4.69	E1.26	0.12	586	300
PS-01	1	10/12/85	51.67	5.49	E1.49	0.096	139	31
PS-01	2	10/12/85	52.60	4.52	E1.40	0.095	94	30
PS-01	3	10/12/85	52.53	6.40	E1.54	0.097	102	32
PS-01	Mean	10/12/85	52.12	5.48	E1.48	0.096	118	31
PS-02		10/12/85	64.80	3.29	E0.84	0.059	154	29
PS-03		10/12/85	73.64	2.23	E0.39	0.033	41	10
PS-04		10/12/85	74.97	2.44	E0.40	0.033	20	21
PS-05		10/15/85	81.87	2.04	E0.35	0.044	51	27
SS-01		10/16/85	74.40	1.65	E0.40	0.027	188	7
SS-03		10/04/85	56.95	5.55	E2.14	0.13	2142	337
SS-04		10/04/85	35.04	14.14	E6.83	0.26	3492	579
SS-05	1	10/03/85	37.80	11.87	E5.40	0.28	5203	571
SS-05	2	10/03/85					4965	
SS-05	3	10/03/85					3993	
SS-05	4	10/03/85	37.22	11.48	E4.77	0.25	3928	508
SS-05	5	10/03/85	37.36	10.07	E4.79	0.24	3885	466
SS-05	Mean	10/03/85	37.44	10.87	E4.94	0.25	4204	503
SS-06		10/03/85	31.17	17.44	E8.52	0.34	4311	1450
SS-07		10/03/85	37.59	13.42	E8.00	0.28	4636	628
SS-08		09/27/85	24.80	41.14	E26.60	0.47	5473	972
SS-09		09/27/85	38.67	15.41	E10.27	0.28	5209	566
SS-10		09/27/85	47.68	9.31	E3.99	0.19	632	342
SS-11	1	09/27/85	41.09	11.06	E5.10	0.23	3652	363
SS-11	2	09/27/85					4620	
SS-11	3	09/27/85					4202	
SS-11	Mean	09/27/85	41.09	11.06	E5.10	0.23	4158	363
SS-12		09/27/85	48.65	7.55	E3.00	0.16	2976	232
WW-01		10/01/85	72.55	2.39	E0.48	0.036	263	19
WW-02		10/09/85	67.85	4.44	E1.05	0.11	1691	10

TABLE A-20. (CONTINUED)

Station	Sampling Rep	Date	percent total solids	percent total volatile solids	percent total organic carbon	percent nitrogen	oil and grease (ppm)	sulfide (ppm)
WW-03		10/01/85	76.74	2.38	E0.72	0.024	3926	44
WW-04		10/01/85	65.90	3.48	E1.00	0.051	541	232
WW-05		10/01/85	72.62	3.27	E1.23	0.034	172	54
WW-06	1	10/01/85	52.62	10.05	E3.14	0.14	1884	401
WW-06	2	10/01/85	54.51	7.68	E2.44	0.12	1981	360
WW-06	3	10/01/85	53.56					345
WW-06	4	10/01/85	53.56					342
WW-06	Mean	10/01/85	53.56	8.86	E2.79	0.13	1933	362
WW-08		10/01/85	52.46	8.36	E2.03	0.13	1002	280
WW-09	1	10/02/85	42.25	9.73	E2.81	0.19	1551	648
WW-09	2	10/02/85	42.18	11.24	E2.80	0.19		
WW-09	3	10/02/85	41.42	11.28	E2.77	0.19		
WW-09	Mean	10/02/85	41.95	10.75	E2.79	0.19	1551	648
WW-10	1	10/02/85	50.56	7.02	E2.12	0.11	1059	277
WW-10	2	10/02/85	50.89	6.50	E2.02	0.11		
WW-10	3	10/02/85	51.38	7.12	E2.04	0.11		
WW-10	Mean	10/02/85	50.94	6.88	E2.06	0.11	1059	277
WW-11		10/02/85	39.90	14.95	E5.19	0.21	1623	450
WW-12		10/02/85	48.07	9.70	E2.45	0.15	1296	420
WW-13	1	10/02/85	56.39	4.69	E1.88	0.086	559	140
WW-13	2	10/02/85	55.56		E1.86	0.087		
WW-13	3	10/02/85	56.60		E1.96	0.085		
WW-13	Mean	10/02/85	56.18	4.69	E1.90	0.086	559	140
WW-14		10/02/85	45.51	8.48	E2.52	0.16	3176	299
WW-15		10/08/85	76.93	0.79	E0.12	0.017	98	16
WW-16	1	10/02/85	53.32	6.28	E1.63	0.089	827	303
WW-16	2	10/02/85	53.51	5.30	E1.58	0.083	696	
WW-16	Mean	10/02/85	53.42	5.79	E1.60	0.086	762	303
WW-17		10/03/85	51.21	5.78	E2.04	0.106	1055	281
WW-18		10/03/85	64.24	4.90	E1.35	0.069	1362	163
WW-19		10/03/85	58.34	3.83	E1.27	0.082	797	170
WW-20		10/03/85	63.77	3.93	E1.07	0.073	286	55

TABLE A-21. GRAIN SIZE DETERMINATIONS (PERCENT) IN ELLIOTT BAY SEDIMENTS

Station	Sampling Rep	Date	percent Rocks	percent Sand	percent Silt	percent Clay
AB-01		09/26/85	17.90	52.70	18.30	11.10
AB-02		09/26/85	1.00	58.84	36.66	3.50
AB-03		09/26/85	0.00	95.30	0.10	4.60
AB-04	1	09/26/85	0.40	53.35	41.34	4.90
AB-04	2	09/26/85	0.00	94.80	0.20	5.00
AB-04	Mean	09/26/85	0.20	74.08	20.77	4.95
DR-01		09/30/85	0.20	70.00	10.10	19.70
DR-02		09/30/85	0.10	8.60	80.50	10.80
DR-03		09/30/85	0.20	57.36	38.84	3.60
DR-04		09/30/85	1.00	66.13	0.00	32.87
DR-05		09/30/85	0.50	65.43	28.87	5.19
DR-06		10/09/85	0.20	80.08	11.91	7.81
DR-07		09/30/85	1.90	15.87	69.16	13.07
DR-08		09/30/85	0.10	11.01	81.88	7.01
DR-09		09/30/85	0.00	21.20	73.90	4.90
DR-10		09/30/85	0.00	6.30	82.30	11.40
DR-11		09/30/85	0.70	89.09	0.00	10.21
DR-12		09/30/85	0.50	26.25	66.63	6.61
DR-13		09/30/85	0.20	38.90	59.10	1.80
DR-14		09/30/85	0.20	19.22	71.57	9.01
DR-15	1	09/30/85	0.70	19.08	69.23	10.99
DR-15	2	09/30/85	1.00	16.62	75.18	7.21
DR-15	Mean	09/30/85	0.85	17.85	72.20	9.10
DR-16		09/30/85	0.20	32.93	61.26	5.61
DR-17	1	09/30/85	0.00	74.47	23.52	2.00
DR-17	2	09/30/85	0.30	18.98	48.75	31.97
DR-17	Mean	09/30/85	0.15	46.73	36.14	16.99
DR-25		10/10/85	10.42	77.25	6.11	6.21
EW-01		10/09/85	3.30	81.18	0.00	15.52
EW-02		10/04/85	0.00	28.84	33.23	37.92
EW-03		10/04/85	0.40	17.20	43.50	38.90
EW-04		10/14/85	0.10	35.50	61.40	3.00
EW-05	1	10/14/85	7.09	37.56	55.34	0.00
EW-05	2	10/14/85	4.11	69.64	21.34	4.91
EW-05	3	10/14/85	4.20	71.27	17.02	7.51
EW-05	Mean	10/14/85	5.62	54.01	37.26	3.10
EW-06		10/04/85	0.00	95.50	1.60	2.90
EW-07		10/14/85	1.20	30.00	66.70	2.10
EW-08		10/14/85	0.10	13.11	85.19	1.60
EW-09		10/14/85	0.10	21.10	71.40	7.40
EW-10		10/14/85	0.70	19.02	74.57	5.71
EW-11		10/14/85	0.20	25.57	64.64	9.59
EW-12		10/15/85	9.40	84.20	2.20	4.20
EW-13		10/15/85	1.90	94.41	0.70	3.00
EW-14		10/15/85	0.00	49.30	25.00	25.70
EW-15		10/15/85	0.00	37.46	27.37	35.16
EW-16		10/15/85	0.00	62.20	21.30	16.50

TABLE A-21. (CONTINUED)

Station	Sampling Rep	Date	percent Rocks	percent Sand	percent Silt	percent Clay
KG-01		09/25/85	0.00	5.00	49.40	45.60
KG-02		10/09/85	11.18	82.63	1.80	4.39
KG-03		09/25/85	7.60	43.10	23.80	25.50
KG-04		10/09/85	1.20	92.11	1.60	5.09
KG-05		09/30/85	3.10	86.50	4.90	5.50
KG-06		09/30/85	6.20	40.10	49.60	4.10
KG-07		09/30/85	2.10	81.18	16.72	0.00
KG-08		10/01/85	0.40	90.42	2.69	6.49
KG-09		10/01/85	13.79	35.66	29.17	21.38
KG-10		10/08/85	32.33	50.55	6.41	10.71
KG-11		10/01/85	2.30	90.21	3.30	4.20
MG-01		09/26/85	0.30	25.13	70.27	4.30
MG-02		09/26/85	0.00	95.50	0.30	4.20
MG-03		09/26/85	1.50	76.00	20.30	2.20
MG-04		09/26/85	0.60	13.70	83.40	2.30
NH-01		10/15/85	7.91	73.17	10.81	8.11
NH-02		10/15/85	0.20	68.90	11.60	19.30
NH-03		10/16/85	0.10	26.40	51.80	21.70
NH-04		10/15/85	1.90	51.65	24.32	22.12
NH-05		10/15/85	0.90	10.51	0.00	88.59
NH-06		10/16/85	0.80	45.55	28.33	25.33
NH-07		10/09/85	0.70	90.62	0.40	8.28
NH-08		10/16/85	5.20	41.60	37.40	15.80
NH-09		10/16/85	20.60	68.30	5.10	6.00
NH-10	1	10/08/85	5.60	91.40	0.10	2.90
NH-10	2	10/08/85	20.88	75.02	0.10	4.00
NH-10	Mean	10/08/85	13.24	83.21	0.10	3.45
NH-11		10/15/85	0.00	71.30	15.60	13.10
NS-01		10/08/85	20.30	75.80	1.10	2.80
NS-02		09/27/85	3.20	45.70	24.30	26.80
NS-03		10/04/85	1.00	74.57	9.11	15.32
NS-04		10/08/85	60.34	35.96	0.00	3.70
NS-05		10/04/85	0.00	75.20	13.90	10.90
NS-06		09/27/85	3.40	79.18	9.81	7.61
NS-07	1	10/04/85	0.10	60.94	23.08	15.88
NS-07	2	10/04/85	0.00	62.14	19.78	18.08
NS-07	Mean	10/04/85	0.05	61.54	21.43	16.98
NS-08		09/26/85	0.30	15.78	79.42	4.50
PS-01	1	10/12/85	0.00	11.89	56.84	31.27
PS-01	2	10/12/85	0.10	11.90	56.50	31.50
PS-01	3	10/12/85	0.00	11.19	58.24	30.57
PS-01	4	10/12/85	0.00	11.82	55.91	32.26
PS-01	Mean	10/12/85	0.02	11.76	56.86	31.36
PS-02		10/12/85	0.00	76.40	10.10	13.50
PS-03		10/12/85	0.00	87.81	4.70	7.49
PS-04		10/12/85	0.60	88.40	3.70	7.30
PS-05		10/15/85	23.50	67.40	1.50	7.60

TABLE A-21. (CONTINUED)

Station	Sampling Rep	Date	percent Rocks	percent Sand	percent Silt	percent Clay
SS-01		10/16/85	4.30	73.67	14.21	7.81
SS-03		10/04/85	0.60	56.24	21.58	21.58
SS-04		10/04/85	2.60	13.20	38.60	45.60
SS-05	1	10/03/85	0.60	27.90	41.50	30.00
SS-05	2	10/03/85	0.60	25.17	58.84	15.38
SS-05	3	10/03/85	0.30	26.93	54.35	18.42
SS-05	4	10/03/85	0.00	17.62	33.23	49.15
SS-05	Mean	10/03/85	0.38	24.40	46.98	28.24
SS-06		10/03/85	1.20	6.99	89.81	2.00
SS-07		10/03/85	2.80	81.90	11.70	3.60
SS-08		09/27/85	2.70	10.60	36.40	50.30
SS-09		09/27/85	10.71	26.13	47.35	15.82
SS-10		09/27/85	6.00	41.70	37.00	15.30
SS-11		09/27/85	9.00	23.20	44.20	23.60
SS-12		09/27/85	0.30	11.10	57.50	31.10
WW-01		10/01/85	1.20	58.30	18.00	22.50
WW-02		10/09/85	34.80	54.90	8.20	2.10
WW-03		10/01/85	5.59	87.81	2.10	4.50
WW-04		10/01/85	6.20	78.90	4.10	10.80
WW-05		10/01/85	0.40	93.80	0.70	5.10
WW-06	1	10/01/85	0.20	46.60	26.80	26.40
WW-06	2	10/01/85	0.20	54.45	23.32	22.02
WW-06	Mean	10/01/85	0.20	50.52	25.06	24.21
WW-08		10/01/85	0.00	41.50	31.90	26.60
WW-09		10/02/85	3.00	20.90	39.20	36.90
WW-10	1	10/02/85	0.70	49.35	26.97	22.98
WW-10	2	10/02/85	0.40	46.10	31.50	22.00
WW-10	Mean	10/02/85	0.55	47.72	29.24	22.49
WW-11		10/02/85	7.31	20.82	36.64	35.24
WW-12		10/02/85	0.30	15.62	53.25	30.83
WW-13	1	10/02/85	0.10	77.02	6.79	16.08
WW-13	2	10/02/85	0.10	68.80	17.40	13.70
WW-13	Mean	10/02/85	0.10	72.91	12.10	14.89
WW-14		10/02/85	0.10	37.50	28.60	33.80
WW-15		10/08/85	0.70	42.80	0.00	56.50
WW-16	1	10/02/85	0.30	43.60	26.80	29.30
WW-16	2	10/02/85	1.30	46.90	24.80	27.00
WW-16	Mean	10/02/85	0.80	45.25	25.80	28.15
WW-17		10/03/85	1.90	92.79	2.90	2.40
WW-18		10/03/85	0.70	80.70	18.60	0.00
WW-19		10/03/85	0.30	79.40	7.10	13.20
WW-20		10/03/85	0.30	77.70	22.00	0.00

TABLE A-22. CONCENTRATIONS (MG/KG WET WEIGHT) OF MERCURY IN ELLIOTT BAY FISH TISSUE

Station	Sample	Rep	Sampling Date	Mercury
AB-91	487	-M	09/19/85	E0.125
AB-91	494	-M	09/19/85	E0.013
AB-91	513	-M	09/19/85	E0.055
AB-91	527	-M	09/19/85	E0.054
AB-91	539	-M	09/19/85	E0.074
DR-91	126	-M	09/17/85	E0.071
DR-91	128	-M	09/17/85	E0.053
DR-91	142	-M	09/17/85	E0.099
DR-91	161	-M	09/19/85	E0.067
DR-91	178	-M	09/19/85	E0.066
EW-91	306	-M	09/18/85	E0.021
EW-91	317	-M	09/18/85	E0.018
EW-91	330	-M	09/18/85	E0.039
EW-91	354	-M	09/18/85	E0.048
EW-91	358	-M	09/18/85	E0.055
KG-91	4	-M 1	09/16/85	E0.081
KG-91	4	-M 2	09/16/85	E0.067
KG-91	4	-M 3	09/16/85	E0.063
KG-91	4	-M Mean	09/16/85	E0.070
KG-91	5	-M	09/16/85	E0.060
KG-91	17	-M	09/16/85	E0.066
KG-91	35	-M	09/16/85	E0.097
KG-91	53	-M	09/16/85	E0.048
MG-91	252	-M	09/17/85	E0.075
MG-91	266	-M	09/17/85	E0.100
MG-91	274	-M	09/17/85	E0.114
MG-91	283	-M	09/17/85	E0.070
MG-91	293	-M 1	09/17/85	E0.059
MG-91	293	-M 2	09/17/85	E0.059
MG-91	293	-M 3	09/17/85	E0.065
MG-91	293	-M Mean	09/17/85	E0.061
NH-91	542	-M	09/20/85	E0.102
NH-91	564	-M	09/23/85	E0.043
NH-91	577	-M	09/23/85	E0.078
NH-91	580	-M	09/23/85	E0.052
NH-91	590	-M	09/24/85	E0.022
NH-92	200	-M	09/24/85	E0.101
NH-92	203	-M	09/24/85	E0.045
NH-92	209	-M	09/24/85	E0.053
NH-92	215	-M	09/24/85	E0.069
NH-92	240	-M	09/24/85	E0.118
NS-91	391	-M	09/23/85	E0.058
NS-91	405	-M	09/23/85	E0.099
NS-91	411	-M	09/23/85	E0.085
NS-91	414	-M	09/24/85	E0.068
NS-91	419	-M	09/24/85	E0.061
PP-91	427	-M 1	09/19/85	E0.061

TABLE A-22. (CONTINUED)

<u>Station</u>	<u>Sample</u>	<u>Rep</u>	<u>Sampling Date</u>	<u>Mercury</u>
PP-91	427	-M 2	09/19/85	E0.055
PP-91	427	-M 3	09/19/85	E0.053
PP-91	427	-M Mean	09/19/85	E0.056
PP-91	439	-M	09/19/85	E0.095
PP-91	448	-M	09/19/85	E0.086
PP-91	460	-M	09/19/85	E0.091
PP-91	480	-M	09/19/85	E0.118
SS-91	616	-M	09/23/85	E0.034
SS-91	622	-M	09/25/85	E0.028
SS-91	643	-M	10/17/85	E0.011
SS-91	645	-M	10/17/85	E0.071
SS-91	652	-M	10/17/85	E0.039
SS-92	667	-M	09/20/85	E0.023
SS-92	683	-M	09/20/85	E0.078
SS-92	706	-M	09/20/85	E0.033
SS-92	713	-M	09/20/85	E0.099
SS-92	715	-M	09/20/85	E0.065
WW-91	61	-M	09/16/85	E0.067
WW-91	65	-M	09/16/85	E0.134
WW-91	80	-M	09/16/85	E0.046
WW-91	100	-M	09/16/85	E0.149
WW-91	110	-M	09/16/85	E0.029

TABLE A-23. CONCENTRATIONS (UG/KG WET WEIGHT) OF PESTICIDES AND PCBs IN ELLIOTT BAY FISH TISSUE

Station	Sample	Rep	Sampling Date						alpha-HCH	beta-HCH	
				p,p'-DDE	p,p'-DDD	p,p'-DDT	aldrin	dieldrin			
AB-91	487	-M	09/19/85	U2	U5	U5	U1	U2	U1	U3	
AB-91	494	-M	09/19/85	U2	U5	U5	U1	U2	U1	U3	
AB-91	513	-M	09/19/85	U2	U5	U5	U1	U2	U1	U3	
AB-91	527	-M	09/19/85	U2	U5	U5	U1	U2	U1	U3	
AB-91	539	-M	09/19/85	U2	U5	U5	U1	U2	U1	U3	
DR-91	126	-M	09/17/85	U2	U5	U5	U1	U2	U1	U3	
DR-91	128	-M	09/17/85	U2	U5	U5	U1	U2	U1	U3	
DR-91	142	-M	09/17/85	U2	U5	U5	U1	U2	U1	U3	
DR-91	161	-M	09/19/85	U2	U5	U5	U1	U2	U1	U3	
DR-91	178	-M	09/19/85	U2	U5	U5	U1	U2	U1	U3	
EW-91	306	-M	09/18/85	U2	U5	U5	U1	U2	U1	U3	
EW-91	317	-M	09/18/85	U2	U5	U5	U1	U2	U1	U3	
EW-91	330	-M	09/18/85	U20	U50	U50	U10	U20	U10	U30	
EW-91	354	-M	09/18/85	U20	U50	U50	U10	U20	U10	U30	
EW-91	358	-M	09/18/85	U2	U5	U5	U1	U2	U1	U3	
KG-91	4	-M	1	09/16/85	U2	U5	U5	U1	U2	U1	U3
KG-91	4	-M	2	09/16/85	U2	U5	U5	U1	U2	U1	U3
KG-91	4	-M	3	09/16/85	U2	U5	U5	U1	U2	U1	U3
KG-91	4	-M	Mean	09/16/85	U2	U5	U5	U1	U2	U1	U3
KG-91	5	-M		09/16/85	U2	U5	U5	U1	U2	U1	U3
KG-91	17	-M		09/16/85	U2	U5	U5	U1	U2	U1	U3
KG-91	35	-M		09/16/85	U2	U5	U5	U1	U2	U1	U3
KG-91	53	-M		09/16/85	U2	U5	U5	U1	U2	U1	U3
MG-91	252	-M		09/17/85	U2	U5	U5	U1	U2	U1	U3
MG-91	266	-M		09/17/85	U2	U5	U5	U1	U2	U1	U3
MG-91	274	-M		09/17/85	U2	U5	U5	U1	U2	U1	U3
MG-91	283	-M		09/17/85	U2	U5	U5	U1	U2	U1	U3
MG-91	293	-M	1	09/17/85	U2	U5	U5	U1	U2	U1	U3
MG-91	293	-M	2	09/17/85	U2	U5	U5	U1	U2	U1	U3
MG-91	293	-M	3	09/17/85	U2	U5	U5	U1	U2	U1	U3
MG-91	293	-M	Mean	09/17/85	U2	U5	U5	U1	U2	U1	U3
NH-91	542	-M		09/20/85	U8	U20	U20	U4	U8	U4	U12
NH-91	564	-M		09/23/85	U2	U5	U5	U1	U2	U1	U3
NH-91	577	-M		09/23/85	U8	U20	U20	U4	U8	U4	U12
NH-91	580	-M		09/23/85	U2	U5	U5	U1	U2	U1	U3
NH-91	590	-M		09/24/85	U8	U20	U20	U4	U8	U4	U12
NH-92	200	-M		09/24/85	U20	U50	U50	U10	U20	U10	U30
NH-92	203	-M		09/24/85	U2	U5	U5	U1	U2	U1	U3
NH-92	209	-M		09/24/85	U2	U5	U5	U1	U2	U1	U3
NH-92	215	-M		09/24/85	U2	U5	U5	U1	U2	U1	U3
NH-92	240	-M		09/24/85	U2	U5	U5	U1	U2	U1	U3
NS-91	391	-M		09/23/85	U2	U5	U5	U1	U2	U1	U3
NS-91	405	-M		09/23/85	U2	U5	U5	U1	U2	U1	U3
NS-91	411	-M		09/23/85	U2	U5	U5	U1	U2	U1	U3
NS-91	414	-M		09/24/85	U2	U5	U5	U1	U2	U1	U3
NS-91	419	-M		09/24/85	U2	U5	U5	U1	U2	U1	U3

TABLE A-23. (CONTINUED)

Station	Sample	Rep	Date	Sampling				alpha-HCH	beta-HCH
				p,p'-DDE	p,p'-DDD	p,p'-DDT	aldrin		
PP-91	427	-M	1	09/19/85	U2	U5	U5	U1	U2
PP-91	427	-M	2	09/19/85	U2	U5	U5	U1	U2
PP-91	427	-M	3	09/19/85	U2	U5	U5	U1	U2
PP-91	427	-M	Mean	09/19/85	U2	U5	U5	U1	U2
PP-91	439	-M		09/19/85	U2	U5	U5	U1	U2
PP-91	448	-M		09/19/85	U2	U5	U5	U1	U2
PP-91	460	-M		09/19/85	U2	U5	U5	U1	U2
PP-91	480	-M		09/19/85	U2	U5	U5	U1	U2
SS-91	616	-M		09/23/85	U2	U5	U5	U1	U2
SS-91	622	-M		09/25/85	U2	U5	U5	U1	U2
SS-91	643	-M		10/17/85	410	U5	U5	U1	U2
SS-91	645	-M		10/17/85	U2	U5	U5	U1	U2
SS-91	652	-M		10/17/85	U2	U5	U5	U1	U2
SS-92	667	-M		09/20/85	U2	U5	U5	U1	U2
SS-92	683	-M		09/20/85	U2	U5	U5	U1	U2
SS-92	706	-M		09/20/85	U2	U5	U5	U1	U2
SS-92	713	-M		09/20/85	U2	U5	U5	U1	U2
SS-92	715	-M		09/20/85	U2	U5	U5	U1	U2
WW-91	61	-M		09/16/85	U2	U5	U5	U1	U2
WW-91	65	-M		09/16/85	U20	U50	U50	U10	U20
WW-91	80	-M		09/16/85	U20	U50	U50	U10	U20
WW-91	100	-M		09/16/85	U2	U5	U5	U1	U2
WW-91	110	-M		09/16/85	U2	U5	U5	U1	U2

TABLE A-23. (CONTINUED)

Station	Sample	Rep	Sampling Date	delta-HCH	gamma-HCH (lindane)	chlordan	endrin	endrin-aldehyde	total PCBs
AB-91	487	-M	09/19/85	U3	U1	U15	U3	U1	E1
AB-91	494	-M	09/19/85	U3	U1	U15	U3	U1	E4
AB-91	513	-M	09/19/85	U3	U1	U15	U3	U1	E2
AB-91	527	-M	09/19/85	U3	U1	U15	U3	U1	E1
AB-91	539	-M	09/19/85	U3	U1	U15	U3	U1	E10
DR-91	126	-M	09/17/85	U3	U1	U15	U3	U1	E280
DR-91	128	-M	09/17/85	U3	U1	U15	U3	U1	E430
DR-91	142	-M	09/17/85	U3	U1	U15	U3	U1	E280
DR-91	161	-M	09/19/85	U3	U1	U15	U3	U1	E450
DR-91	178	-M	09/19/85	U3	U1	U15	U3	U1	E630
EW-91	306	-M	09/18/85	U3	U1	U15	U3	U1	250
EW-91	317	-M	09/18/85	U3	U1	U15	U3	U1	230
EW-91	330	-M	09/18/85	U30	U10	U150	U30	U10	2060
EW-91	354	-M	09/18/85	U30	U10	U150	U30	U10	650
EW-91	358	-M	09/18/85	U3	U1	U15	U3	U1	310
KG-91	4	-M	1	09/16/85	U3	U1	U15	U3	330
KG-91	4	-M	2	09/16/85	U3	U1	U15	U3	E710
KG-91	4	-M	3	09/16/85	U3	U1	U15	U3	E630
KG-91	4	-M	Mean	09/16/85	U3	U1	U15	U3	E560
KG-91	5	-M		09/16/85	U3	U1	U15	U3	E190
KG-91	17	-M		09/16/85	U3	U1	U15	U3	E730
KG-91	35	-M		09/16/85	U3	U1	U15	U3	E410
KG-91	53	-M		09/16/85	U3	U1	U15	U3	E330
MG-91	252	-M		09/17/85	U3	U1	U15	U3	E13
MG-91	266	-M		09/17/85	U3	U1	U15	U3	30
MG-91	274	-M		09/17/85	U3	U1	U15	U3	1490
MG-91	283	-M		09/17/85	U3	U1	U15	U3	E37
MG-91	293	-M	1	09/17/85	U3	U1	U15	U3	31
MG-91	293	-M	2	09/17/85	U3	U1	U15	U3	E32
MG-91	293	-M	3	09/17/85	U3	U1	U15	U3	71
MG-91	293	-M	Mean	09/17/85	U3	U1	U15	U3	E45
NH-91	542	-M		09/20/85	U12	U4	U60	U12	E640
NH-91	564	-M		09/23/85	U3	U1	U15	U3	E200
NH-91	577	-M		09/23/85	U12	U4	U60	U12	690
NH-91	580	-M		09/23/85	U3	U1	U15	U3	E150
NH-91	590	-M		09/24/85	U12	U4	U60	U12	390
NH-92	200	-M		09/24/85	U30	U10	U150	U30	480
NH-92	203	-M		09/24/85	U3	U1	U15	U3	E53
NH-92	209	-M		09/24/85	U3	U1	U15	U3	29
NH-92	215	-M		09/24/85	U3	U1	U15	U3	47
NH-92	240	-M		09/24/85	U3	U1	U15	U3	E12
NS-91	391	-M		09/23/85	U3	U1	U15	U3	E420
NS-91	405	-M		09/23/85	U3	U1	U15	U3	E280
NS-91	411	-M		09/23/85	U3	U1	U15	U3	E150
NS-91	414	-M		09/24/85	U3	U1	U15	U3	79
NS-91	419	-M		09/24/85	U3	U1	U15	U3	E160

TABLE A-23. (CONTINUED)

Station	Sample	Rep	Sampling Date	delta-HCH	gamma-HCH (lindane)	chlordan	endrin	endrin-aldehyde	total PCBs
PP-91	427 -M	1	09/19/85	U3	U1	U15	U3	U1	E5
PP-91	427 -M	2	09/19/85	U3	U1	U15	U3	U1	E15
PP-91	427 -M	3	09/19/85	U3	U1	U15	U3	U1	E3
PP-91	427 -M	Mean	09/19/85	U3	U1	U15	U3	U1	E8
PP-91	439 -M		09/19/85	U3	U1	U15	U3	U1	E5
PP-91	448 -M		09/19/85	U3	U1	U15	U3	U1	E3
PP-91	460 -M		09/19/85	U3	U1	U15	U3	U1	E19
PP-91	480 -M		09/19/85	U3	U1	U15	U3	U1	E2
SS-91	616 -M		09/23/85	U3	U1	U15	U3	U1	E42
SS-91	622 -M		09/25/85	U3	U1	U15	U3	U1	330
SS-91	643 -M		10/17/85	U3	U1	U15	U3	U1	670
SS-91	645 -M		10/17/85	U3	U1	U15	U3	2	E490
SS-91	652 -M		10/17/85	U3	U1	U15	U3	U1	E53
SS-92	667 -M		09/20/85	U3	U1	U15	U3	U1	200
SS-92	683 -M		09/20/85	U3	U1	U15	U3	U1	E440
SS-92	706 -M		09/20/85	U3	U1	U15	U3	U1	530
SS-92	713 -M		09/20/85	U3	U1	U15	U3	U1	430
SS-92	715 -M		09/20/85	U3	U1	U15	U3	U1	E53
WW-91	61 -M		09/16/85	U3	U1	U15	U3	U1	680
WW-91	65 -M		09/16/85	U30	U10	U150	U30	U10	1030
WW-91	80 -M		09/16/85	U30	U10	U150	U30	U10	830
WW-91	100 -M		09/16/85	U3	U1	U15	U3	U1	100
WW-91	110 -M		09/16/85	U3	U1	U15	U3	U1	E350

**APPENDIX B**  
**ELLIOTT BAY STATION LOCATIONS**

## TABLES

<u>Number</u>		<u>Page</u>
B-1	Elliott Bay sediment chemistry station locations, depths, and descriptions	B-1
B-2	Elliott Bay fish trawl locations	B-4

TABLE B-1. ELLIOTT BAY SEDIMENT CHEMISTRY STATION LOCATIONS, DEPTHS, AND DESCRIPTIONS

Station	East Coord.	North Coord.	Depth		Description
			MLLW	(m)	
AB-01	1619183	218425	11.7		Elliott Bay, off east side of West Seattle escarpment
AB-02	1618417	219333	10.5		Elliott Bay, east of Duwamish Head
AB-03	1615125	220458	9.0		Elliott Bay, 0.3 miles from viewing platform on Duwamish Head
AB-04	1612750	217117	8.7		Elliott Bay, Alki Beach Park, directly off 56th Ave
DR-01	1636785	191428	0.9		Duwamish River, slightly north of turning basin No. 3.
DR-02	1637345	193050	4.2		Duwamish River, Ships in slip
DR-03	1635745	195065	5.0		Duwamish River, directly off Director street
DR-04	1635840	195320	4.0		Duwamish River, directly off Henderson Street
DR-05	1634310	196830	3.5		Duwamish River, directly off Monroe Street, east side of River
DR-06	1633080	197600			Duwamish River, small cove at corner of 10th S & S Kenyon
DR-07	1632695	198485	4.2		Duwamish River, just across from Slip No. 4
DR-08	1633390	199360	4.0		Duwamish River, in Slip No. 4
DR-09	1631535	199330	6.4		Duwamish River, just off Othello Street
DR-10	1630240	200465	2.1		Duwamish River, across river from slip No.3, off Riverside Dr.
DR-11	1630120	201140	5.8		Duwamish River, off of Brighton Street
DR-12	1630390	201615	4.1		Duwamish River, in Slip No. 3
DR-13	1629305	201780	6.0		Duwamish River, Norht shore by the 1st Ave S bridge
DR-14	1628860	202050	5.9		Duwamish River, south of the mouth of Slip No. 2
DR-15	1629365	203255	3.7		Duwamish River, in Slip No. 2
DR-16	1628220	203700	11.2		Duwamish River, just off of S. Fidalgo St, north of Slip No.2
DR-17	1627930	205280	10.3		Duwamish River, just off of S. Lucile St, South of Slip No. 1
DR-25	1635880	192800			Duwamish R. directly below Gate D south end of Duwamish Yacht Club
EW-01	1627280	212290			Duwamish East Waterway, just N of Spokane Street, E side of waterway
EW-02	1627565	213020	14.4		Duwamish East Waterway, just off of Terminal 25
EW-03	1627350	213750	14.1		Duwamish East Waterway, center channel across from Terminal 20
EW-04	1627015	214385	14.0		Duwamish East Waterway, across from Terminal 20, just S of Pier 27
EW-05	1627380	214775	12.8		Duwamish East Waterway, just off of Pier 27
EW-06	1628225	214680	9.2		Duwamish East Waterway, between Pier 27 and Pier 28
EW-07	1626990	215340	13.1		Duwamish East Waterway, 0.13nm to NW corner of Pier 28
EW-08	1627345	215460	14.2		Duwamish East Waterway, 0.17nm to notch of Pier 26
EW-09	1627710	215900	11.2		Duwamish East Waterway, just north of Pier 29
EW-10	1627410	217095	16.8		Duwamish East Waterway, just off of Pier 30
EW-11	1627705	216710	11.3		Duwamish East Waterway, off of Pier 31
EW-12	1627010	217020	14.2		Duwamish East Waterway, across from Piers 32 and 33, west shore
EW-13	1627425	217805	15.9		Duwamish East Waterway, just off of Piers 33 and 34
EW-14	1627765	218875	10.4		Duwamish East Waterway, SW corner of pier 36
EW-15	1628580	219015	10.9		Duwamish East Waterway, pier 36 - Coast Guard dock, center slip
EW-16	1627440	219220	16.7		Duwamish East Waterway, in center of mouth of East Waterway
KG-01	1628180	206765	7.6		Duwamish River, near head of slip 1
KG-02	1627505	207185			Duwamish River, intertidal between dolphins 3 & 4 N. of Slip 1
KG-03	1626920	207515	7.7		Duwamish River, west side of channel, mid-Kellogg Island
KG-04	1627015	209165			Duwamish River, just north of Diagonal Way
KG-05	1626950	209095	2.9		Duwamish River, 70 feet from Diagonal Way CSO (offshore, west)
KG-06	1626450	209230	10.0		Duwamish River, off corner of 1st pier north of Kellogg Island
KG-07	1626160	209930	8.9		Duwamish River, on west shore between SW Idaho St & SW Dakota St
KG-08	1626585	210445	13.8		Duwamish River, center channel in triangle south of Harbor Is.

TABLE B-1. (CONTINUED)

Station	East Coord.	North Coord.	Depth MLLW (m)	Description
KG-09	1625945	210690	3.6	Duquamish River, end of SW Dakota Street
KG-10	1626385	211360		Duquamish River, S. end of Harbor Island at Harbor Is. Marina
KG-11	1625415	211810	10.3	Duquamish River, S. of Spokane St. Bridge
MG-01	1614150	233850	7.0	Elliott Bay, off of Magnolia Park around 32 Ave West
MG-02	1612525	234542	9.8	Elliott Bay, off of Magnolia Park around 34 Ave West
MG-03	1611550	235342	8.9	Elliott Bay, off of Magnolia Park around 36 Ave West
MG-04	1608975	237267	11.4	Elliott Bay, west of Fourmile Rock
NH-01	1625910	218580	8.8	Elliott Bay, off of 11 Ave SW on the northern end of Harbor Island
NH-02	1625305	218055	9.2	Elliott Bay, off of pier 16 on north end of Harbor Island
NH-03	1624175	218035	12.2	Elliott Bay, betw ship & Todd drydock on N. end of Harbor Island
NH-04	1622905	217355	11.9	Elliott Bay, off of pier H west of mouth of Duquamish West Waterway
NH-05	1622180	217365	7.7	Elliott Bay, just off Pier G west of mouth of Duquamish West WW
NH-06	1621500	217335	8.8	Elliott Bay, off of Wyckoff Pier west of mouth of Duquamish West WW
NH-07	1621275	216795		Elliott Bay, west of Wyckoff Pier and east of Longfellow creek
NH-08	1620958	216775	9.4	Elliott Bay, just west of Longfellow creek
NH-09	1619808	217683	9.1	Elliott Bay, just SE of storm drain off West Seattle Beach
NH-10	1619225	218125		EBay, in cove just N of parking lot & pier off of Fairmount Ave S
NH-11	1626325	219030	19.2	Elliott Bay, west of mouth of Duquamish East Waterway
NS-01	1623658	229392		Elliott Bay, 25 ft south of Denny Way CSO interceptor
NS-02	1622142	230717	10.0	Elliott Bay, between pier 86 and Denny Way CSO
NS-03	1621458	231317	12.3	Elliott Bay, east of grain terminal pier W off of W Republican St
NS-04	1619825	232433		Elliott Bay, south of pier 86 and north of fishing pier
NS-05	1620333	232058	18.4	Elliott Bay, close to pier 86
NS-06	1619200	234492	9.2	Elliott Bay, in upper end of slip east of pier 90
NS-07	1618783	232341	12.3	Elliott Bay, about 50 ft east of west corner of pier 90
NS-08	1618058	234617	8.0	Elliott Bay, about .200 m from end of slip west of pier 91
PS-01	1601400	432100	9.6	Northwest corner of Port Susan
PS-02	1608400	418700	9.2	Off Mountain View Beach, west side of Port Susan
PS-03	1613900	411600	8.9	Port Susan
PS-04	1618600	406300	8.6	Port Susan
PS-05	1602250	426650		East side of Camano Island at Camano Country Club beach
SS-01	1628000	220117	15.9	Elliott Bay, between piers 36 and 37
SS-03	1629142	222317	10.9	Elliott Bay, about 100 ft from south face of pier 42
SS-04	1629158	222908	9.4	EBay, ~100m West of and in line with the Washington St. public dock
SS-05	1628600	223867	11.7	EBay, in line w/Fire Boat pier, betw Ferry Term & SE corner of Ivar's
SS-06	1628350	224658	9.2	Elliott Bay, center of slip between piers 56 and 57
SS-07	1628092	224975	9.1	EBay, in slip betw piers 57 & 59, just W of Waterfront park walk area
SS-08	1627242	225908	8.9	Elliott Bay, centered between piers 63 and 64
SS-09	1626842	226292	8.9	Elliott Bay, 3/4 way inside slip between piers 65 and 66
SS-10	1625900	227008	9.9	Elliott Bay, just inside slip between piers 66 and 67
SS-11	1625442	227400	9.4	Elliott Bay, centered between piers 67 and 69
SS-12	1624367	228317	11.7	Elliott Bay, halfway between piers 70 and 71
WW-01	1624935	212415	9.3	Duquamish West Hwy, north of east abutment of old Spokane St Bridge
WW-02	1624615	212370		Duquamish West Hwy, north of old Spokane St Bridge, west side
WW-03	1624525	212740	9.6	Duquamish West Hwy, center of channel south of Chelan Ave SW
WW-04	1624360	213175	2.5	Duquamish West Hwy, off east shore, off of Chelan Ave SW

TABLE B-1. (CONTINUED)

Station	East Coord.	North Coord.	Depth MLLW (m)	Description
WW-05	1624045	213030	6.3	Duwanish West Hwy, off west shore, off of Chelan Ave SW
WW-06	1623365	213145	8.4	Duwanish West Hwy, off of pier
WW-08	1623680	213500	14.9	Duwanish West Hwy, north of pier 7 in center of channel
WW-09	1623890	214705	7.6	Duwanish West Hwy, just south of pier 8 on east shore
WW-10	1623625	215015	18.4	Duwanish West Hwy, off of pier 8 in center of channel
WW-11	1623885	214530	7.3	Duwanish West Hwy, off of pier 8 on east shore
WW-12	1623915	215190	7.8	Duwanish West Hwy, off NW corner of pier 9
WW-13	1623175	215095	7.7	Duwanish West Hwy, just off of terminal 5 on west side of Hwy
WW-14	1623960	215945	7.5	Duwanish West Hwy, off of corner of pier 10
WW-15	1623045	216110		Duwanish West Hwy, in cove across from pier 11
WW-16	1623675	216020	15.3	Duwanish West Hwy, in cove across from pier 11
WW-17	1623170	216390	8.0	Duwanish West Hwy, just south of pier H on west shore
WW-18	1623940	216520	8.0	Duwanish West Hwy, just north of pier 11 on east side of Hwy
WW-19	1624060	217095	7.3	Duwanish West Hwy, off north side of slip just south of pier 12
WW-20	1623640	217925	13.8	Duwanish West Hwy, just west of pier 13 in center of Hwy mouth

TABLE B-2. ELLIOTT BAY FISH TRAWL LOCATIONS

Station	Beginning Coord.		Ending Coord.		Location
	East	North	East	North	
AB-91	1610000	215200	1612950	217400	Elliott Bay, off Alki Point
DR-91	1629860	201120	1629280	201760	Upper Duwamish River, south of Kellogg Island, near 1st Av
EW-91	1627400	215350	1627400	216600	Duwamish East Waterway
KG-91	1634800	196500	1634150	197000	Duwamish River, south of Harbor Island, near Kellogg Island
MG-91	1614000	233800	1610000	236000	Northern Elliott Bay, off Magnolia Bluff
NH-91	1626100	219000	1624000	219500	Elliott Bay, N. Harbor Island, Mobil Oil Dock
NH-92	1620900	217200	1623150	218400	Elliott Bay, N. Harbor Island, W. of West Hwy, Wyckoff Pier
NS-91	1622600	230000	1619700	231800	Seattle waterfront, north, near fishing pier, Pier 90
PP-91	1619400	174700	1620700	179100	Above Point Pully, off Seahurst Park near Des Moines-3
SS-91	1628700	222650	1624900	225900	Seattle waterfront south, just north of Ferry Terminal
SS-92	1624600	227400	1623350	228700	Seattle waterfront south, Pier 70
WW-91	1623500	215660	1623550	216950	Duwamish West Waterway

**APPENDIX C**  
**CORRELATION MATRICES FOR SELECTED CHEMICALS**

LPAH correlations including all stations (detected data only)

SPSS/PC+						
Correlations:	NAPHLN	ACENY	ACENE	FLUORENE	PHNTH	ANTHR
NAPHLN	.2904 ( 56) P= .015	.4435 ( 57) P= .000	.4272 ( 58) P= .000	.3331 ( 66) P= .003	.3269 ( 63) P= .004	
ACENY		.9695 ( 59) P= .000	.9533 ( 59) P= .000	.9954 ( 62) P= .000	.9973 ( 62) P= .000	
ACENE			.9916 ( 60) P= .000	.9837 ( 62) P= .000	.9815 ( 62) P= .000	
FLUORENE				.9678 ( 65) P= .000	.9676 ( 65) P= .000	

(Coefficient / (Cases) / 1-tailed Significance)

" . " is printed if a coefficient cannot be computed

SPSS/PC+						
Correlations:	NAPHLN	ACENY	ACENE	FLUORENE	PHNTH	ANTHR
PHNTH					.9987 ( 92) P= .000	
ANTHR						

(Coefficient / (Cases) / 1-tailed Significance)

" . " is printed if a coefficient cannot be computed

HPAH correlations including all stations (detected data only)

SPSS/PC+									
Correlations:	FLRTHN	PYRENE	BAA	CHRY'S	BENZOF'L	BAP	I123P	DBAHANTH	BGHIP
FLRTHN	.9994 ( 107) P= .000	.9992 ( 101) P= .000	.9976 ( 102) P= .000	.9883 ( 94) P= .000	.9917 ( 92) P= .000	.9632 ( 85) P= .000	.9095 ( 62) P= .000	.9662 ( 83) P= .000	
PYRENE		.9998 ( 101) P= .000	.9988 ( 102) P= .000	.9925 ( 94) P= .000	.9950 ( 92) P= .000	.9701 ( 85) P= .000	.9205 ( 62) P= .000	.9726 ( 83) P= .000	
BAA			.9992 ( 101) P= .000	.9926 ( 93) P= .000	.9950 ( 92) P= .000	.9698 ( 85) P= .000	.9192 ( 62) P= .000	.9726 ( 83) P= .000	
CHRY'S				.9953 ( 93) P= .000	.9970 ( 92) P= .000	.9733 ( 85) P= .000	.9238 ( 62) P= .000	.9762 ( 83) P= .000	

(Coefficient / (Cases) / 1-tailed Significance)

" . " is printed if a coefficient cannot be computed

SPSS/PC+									
Correlations:	FLRTHN	PYRENE	BAA	CHRY'S	BENZOF'L	BAP	I123P	DBAHANTH	BGHIP
BENZOF'L					.9988 ( 91) P= .000	.9864 ( 85) P= .000	.9470 ( 62) P= .000	.9878 ( 83) P= .000	
BAP						.9855 ( 85) P= .000	.9434 ( 62) P= .000	.9874 ( 83) P= .000	
I123P							.9822 ( 62) P= .000	.9991 ( 82) P= .000	
DBAHANTH								.9776 ( 62) P= .000	

(Coefficient / (Cases) / 1-tailed Significance)

" . " is printed if a coefficient cannot be computed

HPAH correlations excluding Station SS-08 (detected data only)

SPSS/PC+									
Correlations:	FLRTHN	PYRENE	BAA	CHRYs	BENZOFL	BAP	I123P	DBAHANTH	BGHIP
FLRTHN	.8388 ( 106) P= .000	.7378 ( 100) P= .000	.6919 ( 101) P= .000	.6014 ( 93) P= .000	.6682 ( 91) P= .000	.5928 ( 84) P= .000	.5552 ( 61) P= .000	.5713 ( 82) P= .000	
PYRENE		.9436 ( 100) P= .000	.8732 ( 101) P= .000	.8887 ( 93) P= .000	.9076 ( 91) P= .000	.8448 ( 84) P= .000	.8488 ( 61) P= .000	.8211 ( 82) P= .000	
BAA			.9456 ( 100) P= .000	.9324 ( 92) P= .000	.9432 ( 91) P= .000	.8680 ( 84) P= .000	.8410 ( 61) P= .000	.8551 ( 82) P= .000	
CHRYs				.9223 ( 92) P= .000	.9234 ( 91) P= .000	.7802 ( 84) P= .000	.7169 ( 61) P= .000	.7878 ( 82) P= .000	

(Coefficient / (Cases) / 1-tailed Significance)

" . " is printed if a coefficient cannot be computed

SPSS/PC+									
Correlations:	FLRTHN	PYRENE	BAA	CHRYs	BENZOFL	BAP	I123P	DBAHANTH	BGHIP
BENZOFL					.9640 ( 90) P= .000	.8741 ( 84) P= .000	.8153 ( 61) P= .000	.8701 ( 82) P= .000	
BAP						.9004 ( 84) P= .000	.8503 ( 61) P= .000	.9049 ( 82) P= .000	
I123P							.9659 ( 61) P= .000	.9901 ( 81) P= .000	
DBAHANTH								.9435 ( 61) P= .000	

(Coefficient / (Cases) / 1-tailed Significance)

" . " is printed if a coefficient cannot be computed

**APPENDIX D**

**SUMMARY OF SEDIMENT GRAIN SIZE  
AND CONVENTIONAL DATA**

## FIGURES

<u>Number</u>		<u>Page</u>
D-1	Sediment grain size characteristics of stations in the Port Susan reference area in 1985 (PS) and 1986 (EVPS)	D-1
D-2	Sediment grain size characteristics of stations along Magnolia and in Port Susan	D-2
D-3	Sediment grain size characteristics of stations along Seattle Waterfront North and in Port Susan	D-3
D-4	Sediment grain size characteristics of stations along Seattle Waterfront South and in Port Susan	D-4
D-5	Sediment grain size characteristics of stations along North Harbor Island and in Port Susan	D-5
D-6	Sediment grain size characteristics of stations along East Waterway and in Port Susan	D-6
D-7	Sediment grain size characteristics of stations along West Waterway and in Port Susan	D-7
D-8	Sediment grain size characteristics of stations along Kellogg Island and in Port Susan	D-8
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D-11	Total solids, total organic carbon, nitrogen, and sulfide content of the surficial sediments at stations along Magnolia and in Port Susan	D-11
D-12	Total solids, total organic carbon, nitrogen, and sulfide content of the surficial sediments at stations along the Seattle Waterfront North and in Port Susan	D-12
D-13	Total solids, total organic carbon, nitrogen, and sulfide content of the surficial sediments at stations along the Seattle Waterfront South and in Port Susan	D-13
D-14	Total solids, total organic carbon, nitrogen, and sulfide content of the surficial sediments at stations along North Harbor Island and in Port Susan	D-14

- D-15 Total solids, total organic carbon, nitrogen, and sulfide content of the surficial sediments at stations along East Waterway and in Port Susan D-15
- D-16 Total solids, total organic carbon, nitrogen, and sulfide content of the surficial sediments at stations along West Waterway and in Port Susan D-16
- D-17 Total solids, total organic carbon, nitrogen, and sulfide content of the surficial sediments along Kellogg Island and in Port Susan D-17
- D-18 Total solids, total organic carbon, nitrogen, and sulfide content of the surficial sediments at stations along Duwamish Head/Alki Beach and in Port Susan D-18

\* = ≥ 5% GRAVEL PRESENT  
IN DESIGNATED SAMPLE

(I) = INTERTIDAL

SAND = SAND AND GRAVEL

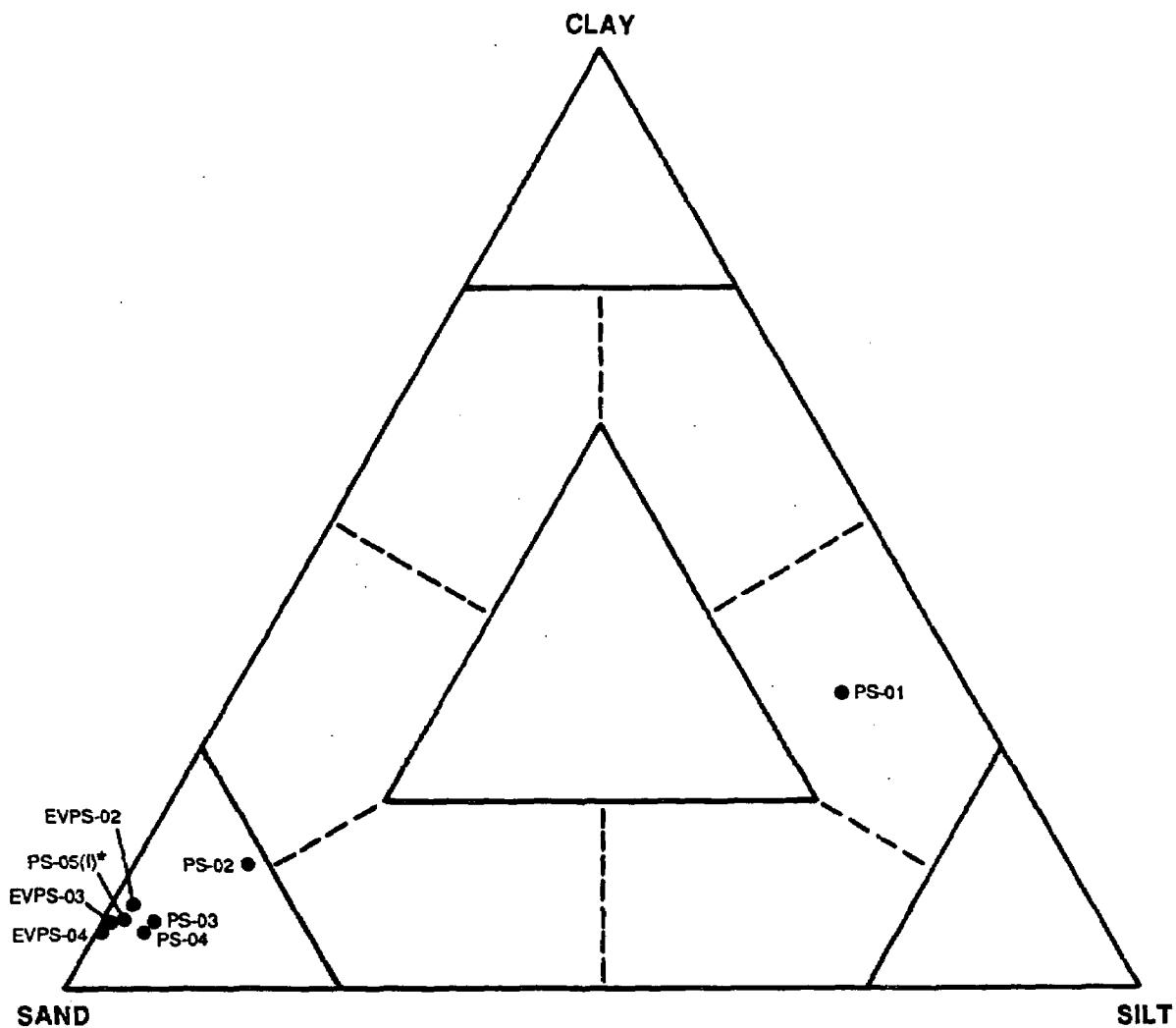


Figure D-1. Sediment grain size characteristics of stations in the Port Susan reference area in 1985 (PS) and 1986 (EVPS).

\* = ≥ 5% GRAVEL PRESENT  
IN DESIGNATED SAMPLE

(I) = INTERTIDAL

SAND = SAND AND GRAVEL

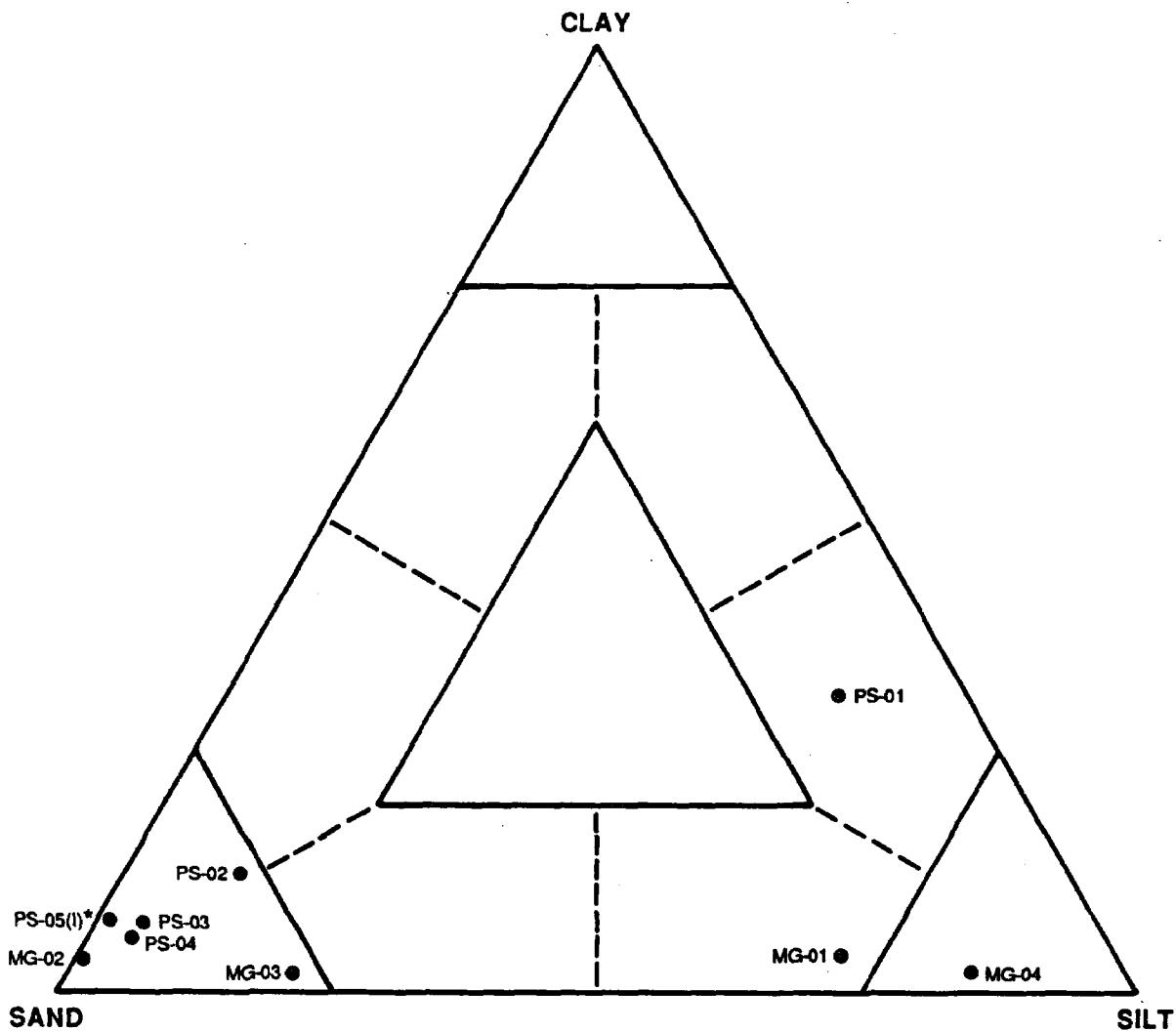


Figure D-2. Sediment grain size characteristics of stations along Magnolia and in Port Susan.

\* = ≥ 5% GRAVEL PRESENT  
IN DESIGNATED SAMPLE

(I) = INTERTIDAL

SAND = SAND AND GRAVEL

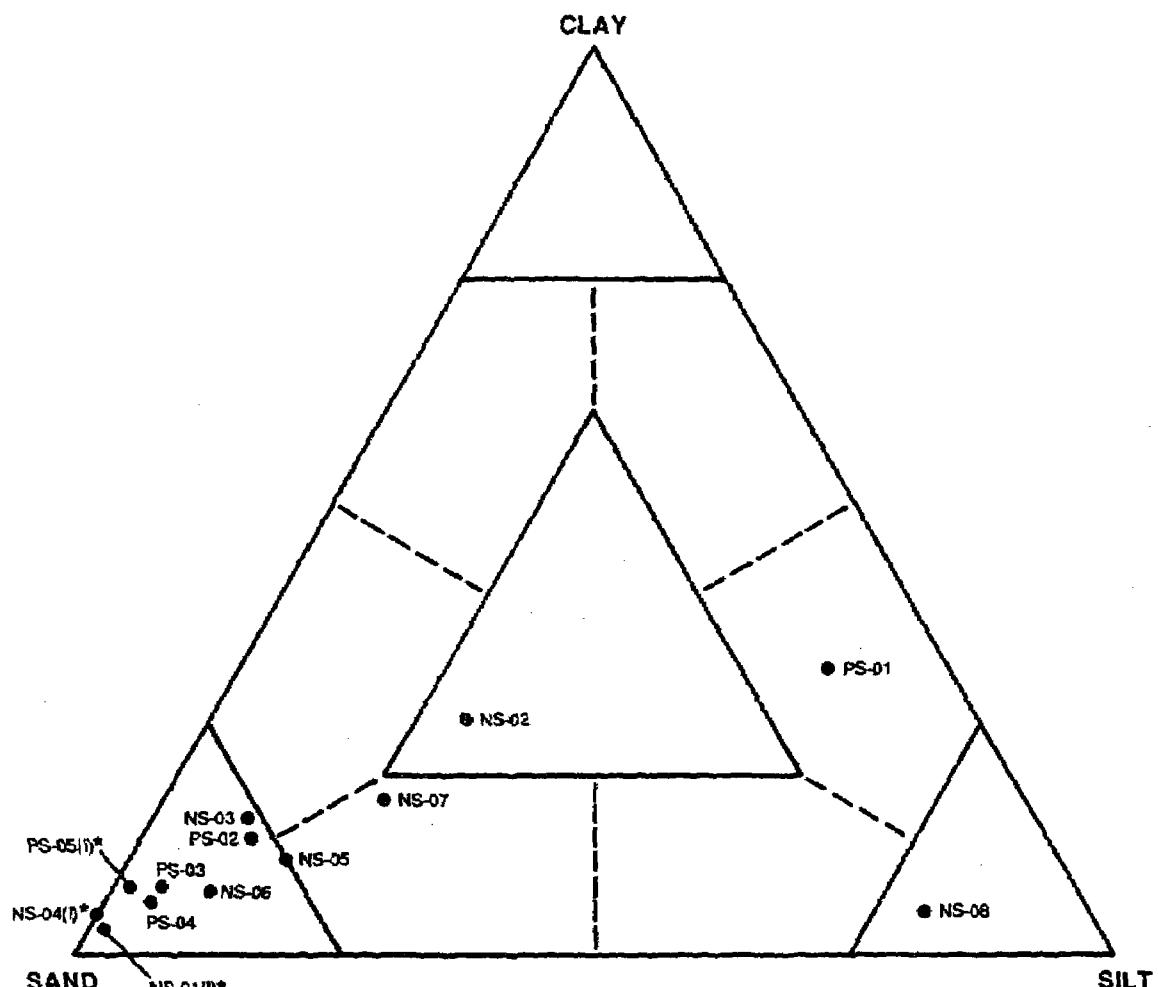


Figure D-3. Sediment grain size characteristics of stations along Seattle Waterfront North and in Port Susan.

\* = ≥ 5% GRAVEL PRESENT  
IN DESIGNATED SAMPLE

(I) = INTERTIDAL

SAND = SAND AND GRAVEL

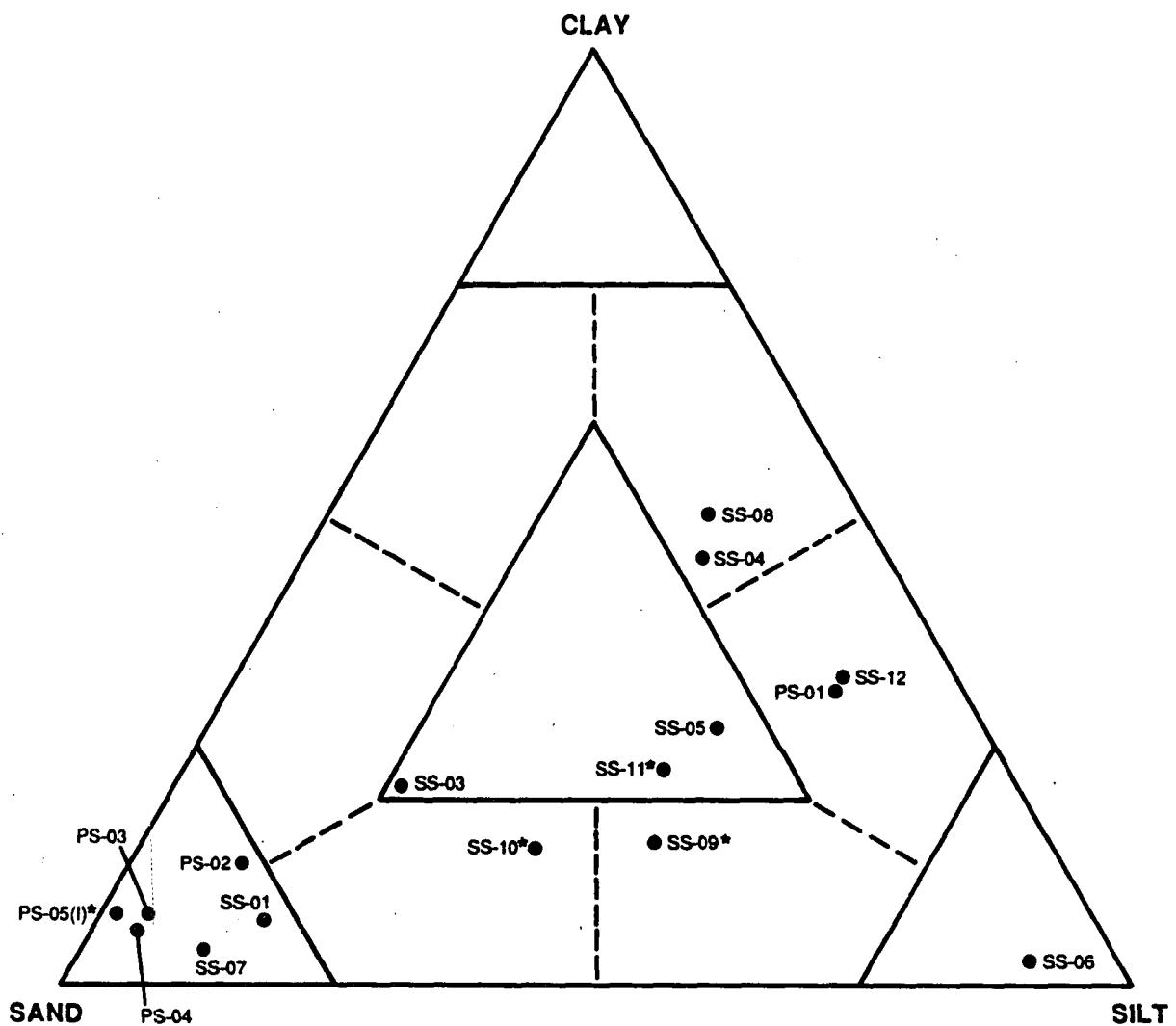


Figure D-4. Sediment grain size characteristics of stations along Seattle Waterfront South and in Port Susan.

\* =  $\geq 5\%$  GRAVEL PRESENT  
IN DESIGNATED SAMPLE

(I) = INTERTIDAL

SAND = SAND AND GRAVEL

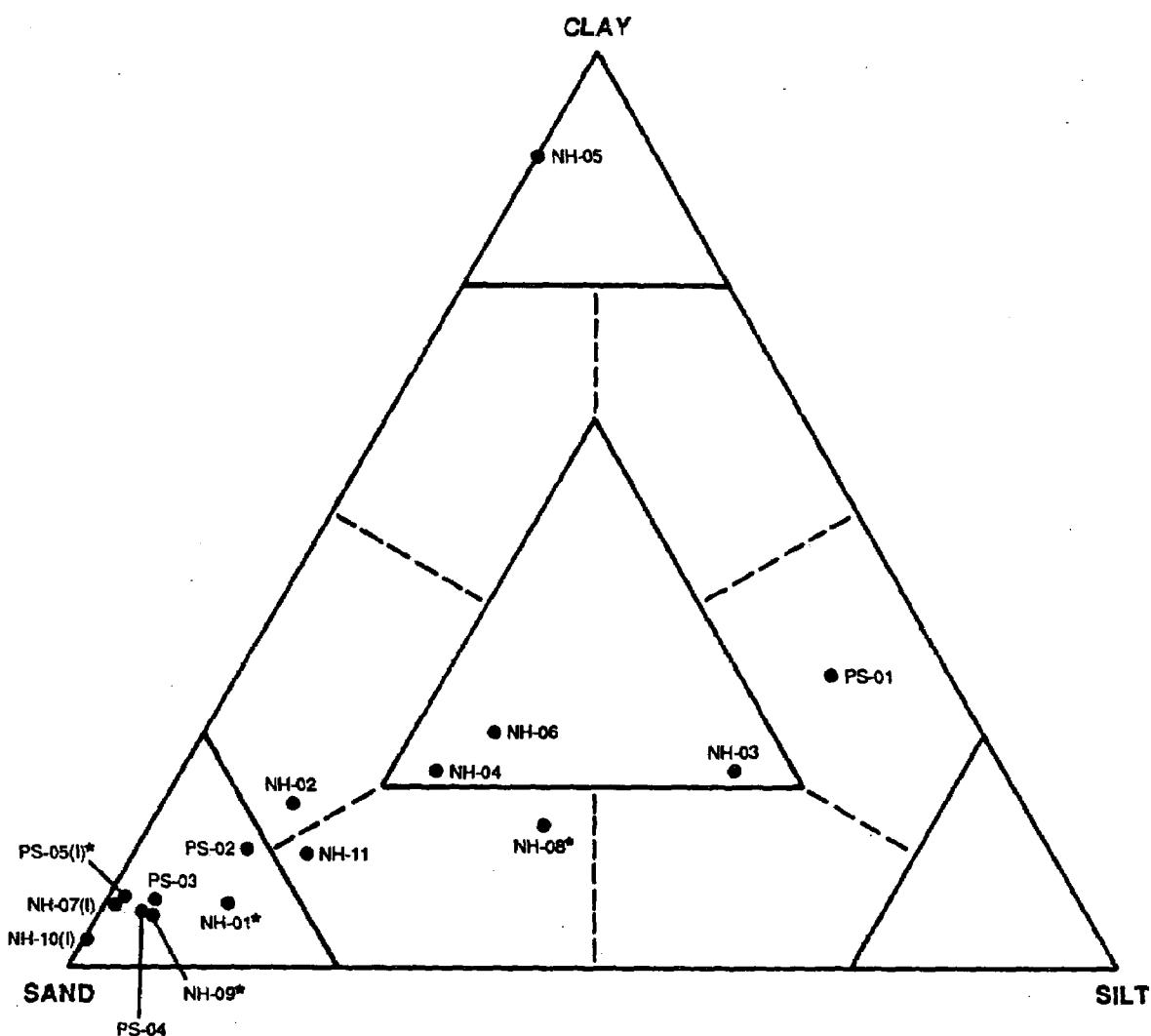


Figure D-5. Sediment grain size characteristics of stations along North Harbor Island and in Port Susan.

\* = 2.5% GRAVEL PRESENT  
IN DESIGNATED SAMPLE

(I) = INTERTIDAL

SAND = SAND AND GRAVEL

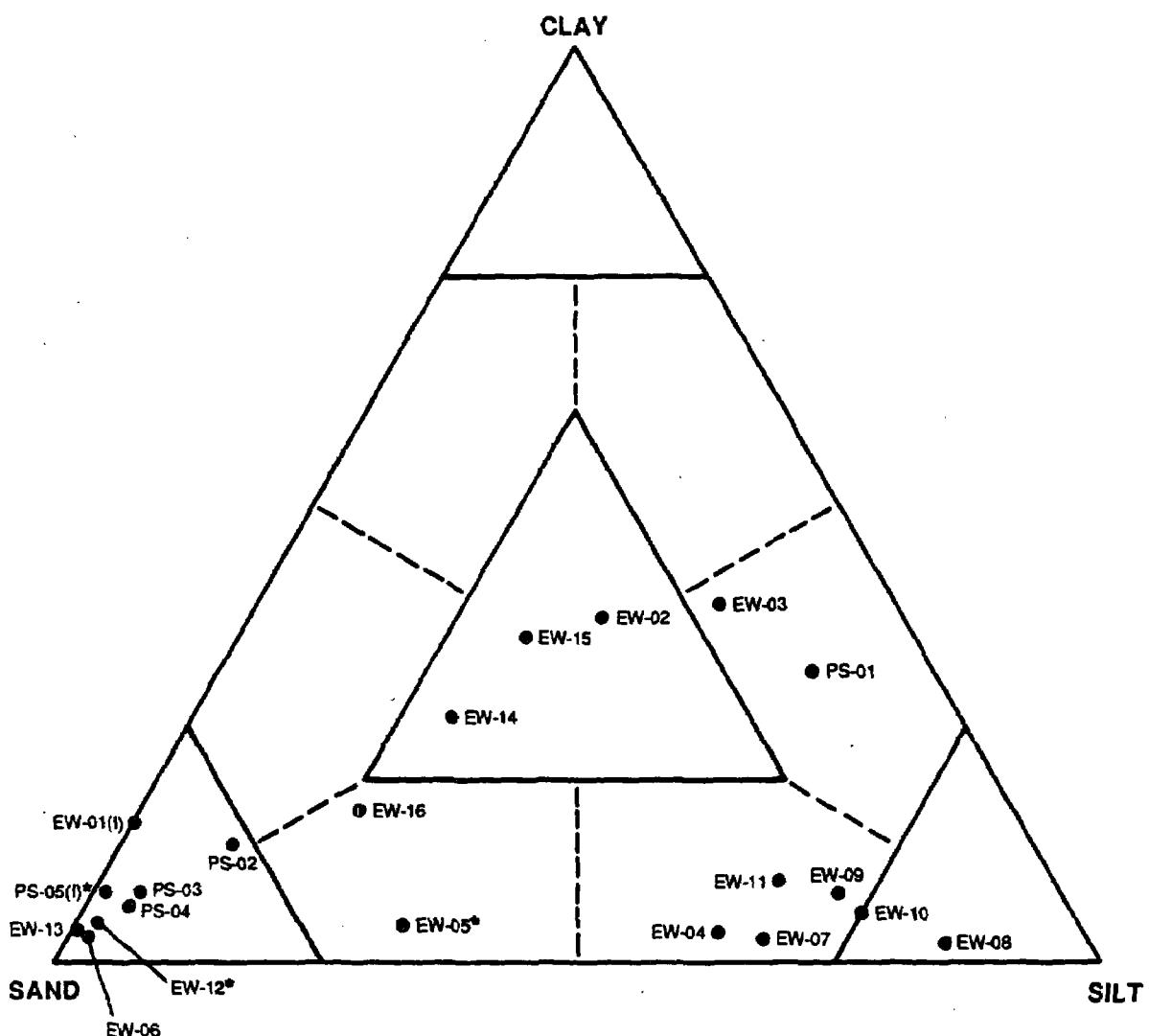


Figure D-6. Sediment grain size characteristics of stations along East Waterway and in Port Susan.

\* = ≥ 5% GRAVEL PRESENT  
IN DESIGNATED SAMPLE

(I) = INTERTIDAL

SAND = SAND AND GRAVEL

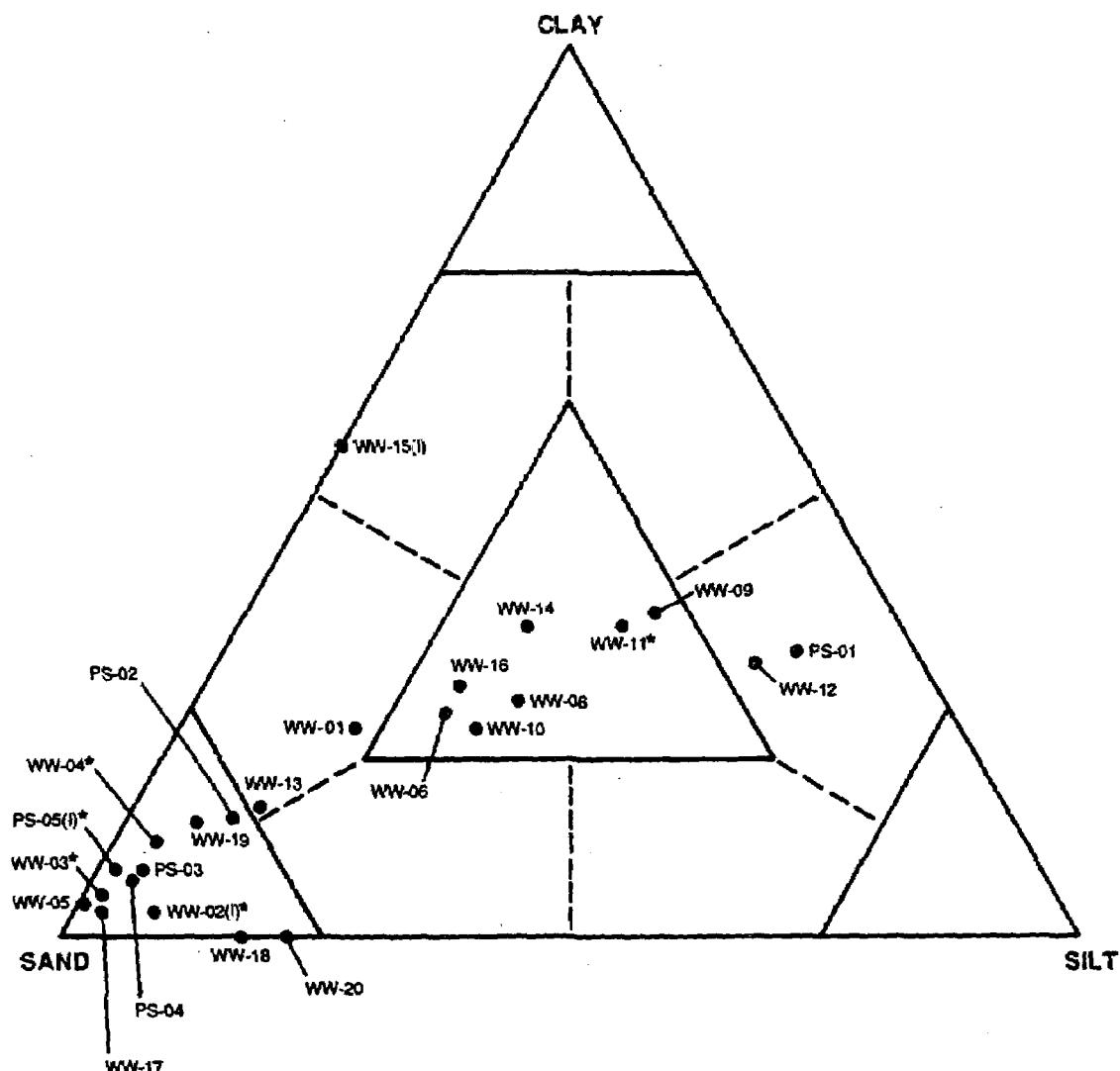


Figure D-7. Sediment grain size characteristics of stations along West Waterway and in Port Susan.

\* = ≥ 5% GRAVEL PRESENT  
IN DESIGNATED SAMPLE

(I) = INTERTIDAL

SAND = SAND AND GRAVEL

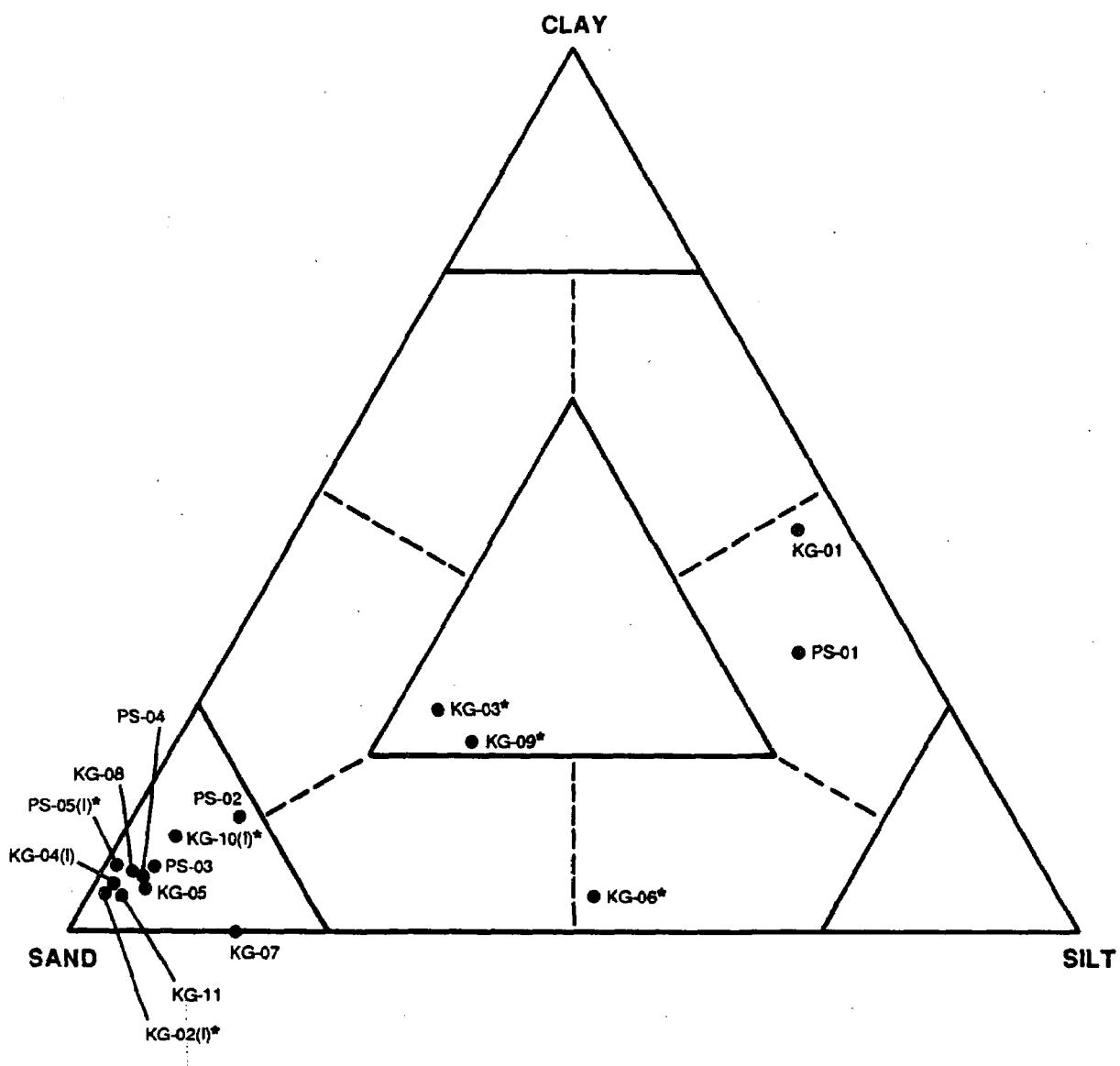


Figure D-8. Sediment grain size characteristics of stations along Kellogg Island and in Port Susan.

\* = ≥ 5% GRAVEL PRESENT  
IN DESIGNATED SAMPLE

(I) = INTERTIDAL

SAND = SAND AND GRAVEL

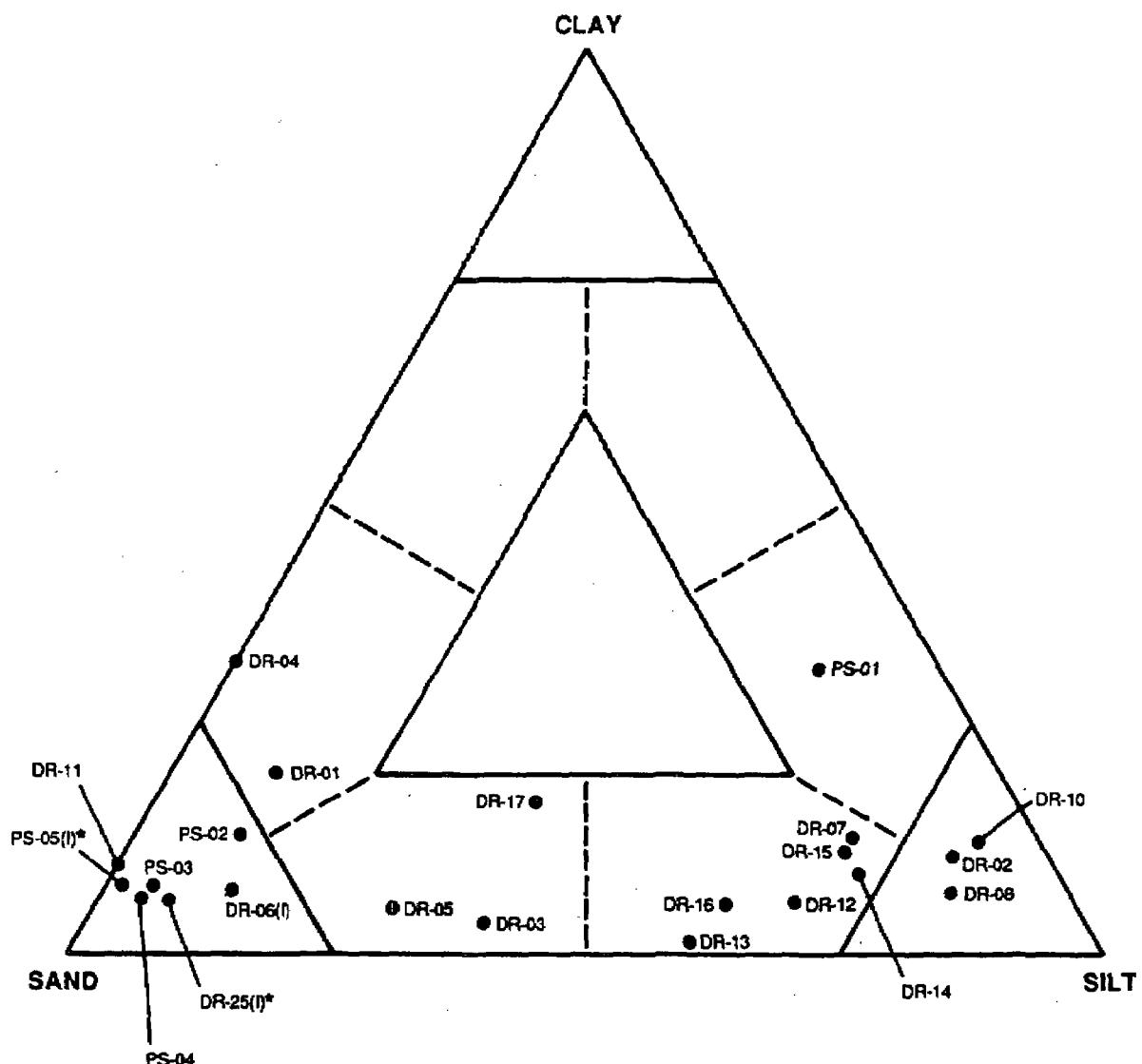


Figure D-9. Sediment grain size characteristics of stations along Upper Duwamish Estuary and in Port Susan.

\* =  $\geq 5\%$  GRAVEL PRESENT  
IN DESIGNATED SAMPLE

(I) = INTERTIDAL

SAND = SAND AND GRAVEL

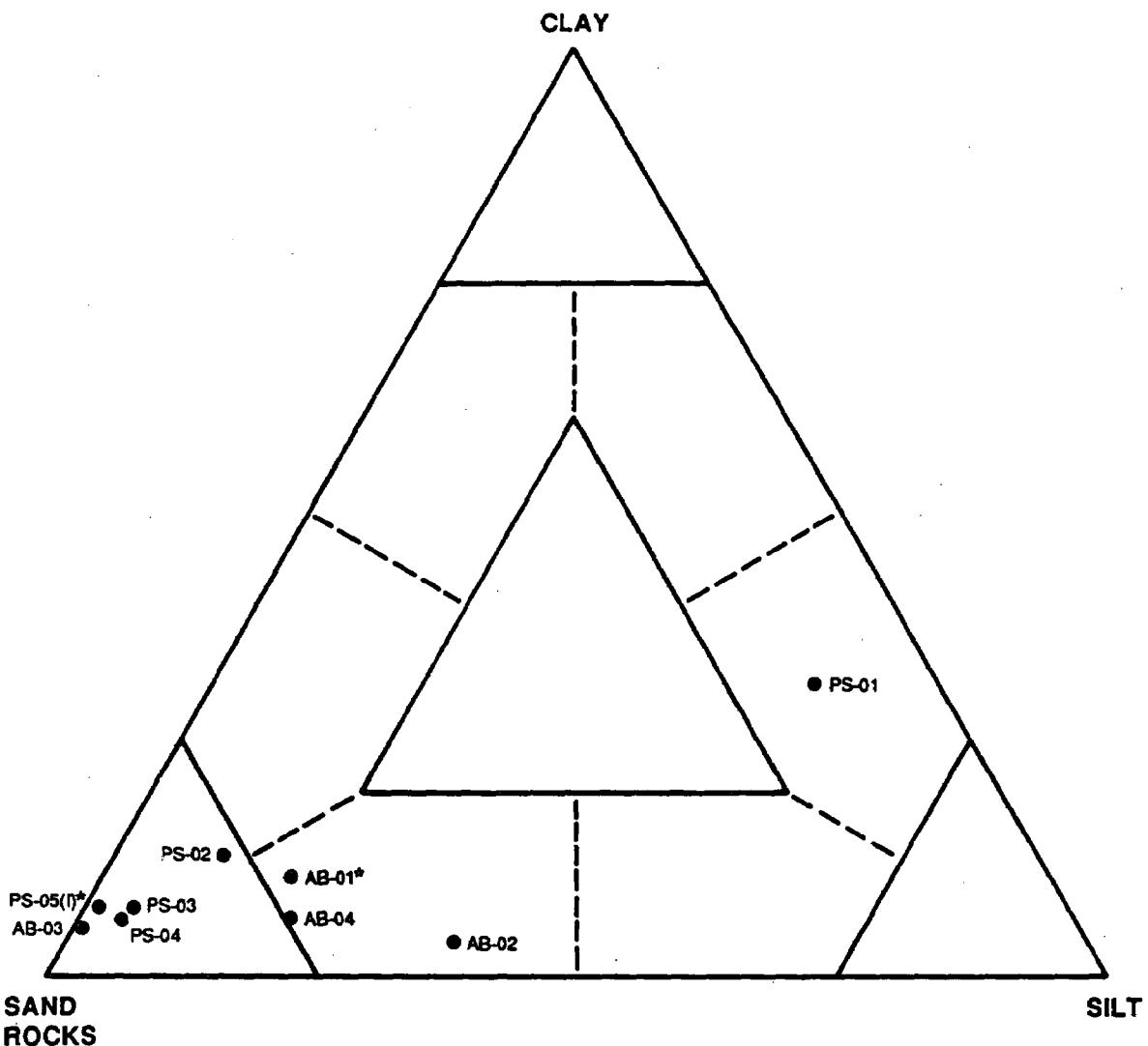


Figure D-10. Sediment grain size characteristics of stations along Duwamish Head/Alki Beach and in Port Susan.

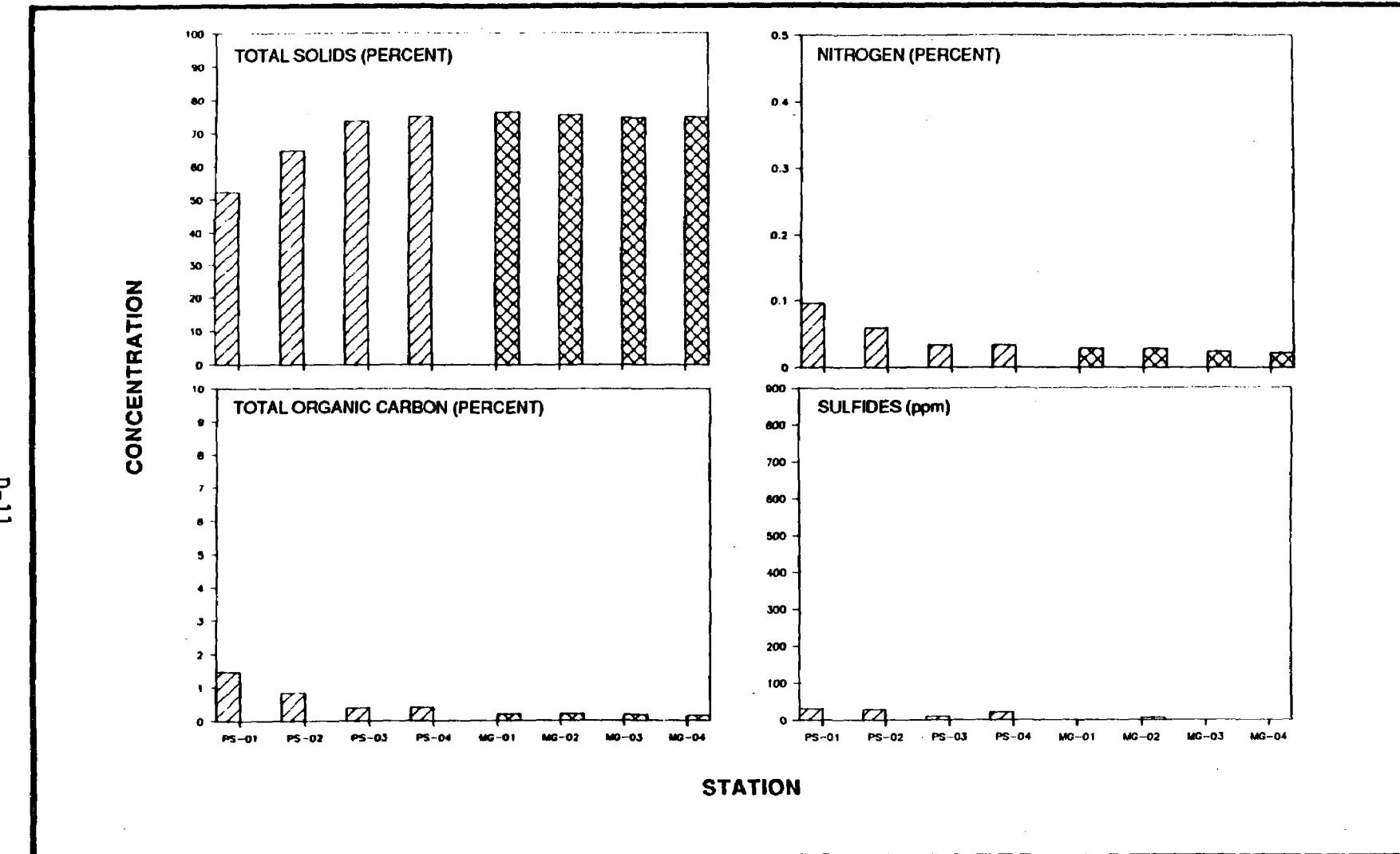


Figure D-11. Total solids, total organic carbon, nitrogen, and sulfide content of the surficial sediments at stations along Magnolia and in Port Susan.

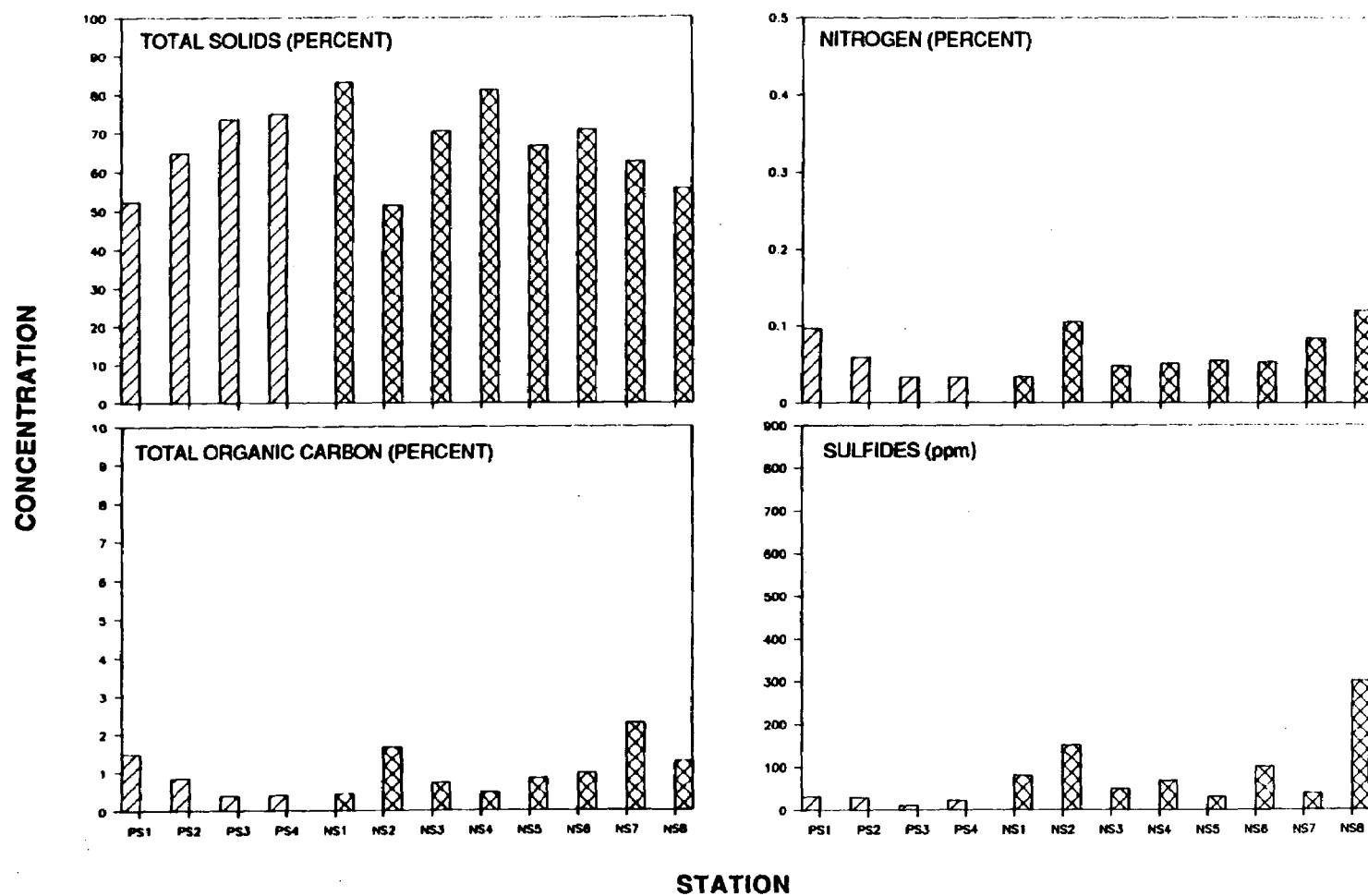


Figure D-12. Total solids, total organic carbon, nitrogen, and sulfide content of the surficial sediments at stations along Seattle Waterfront North and in Port Susan.

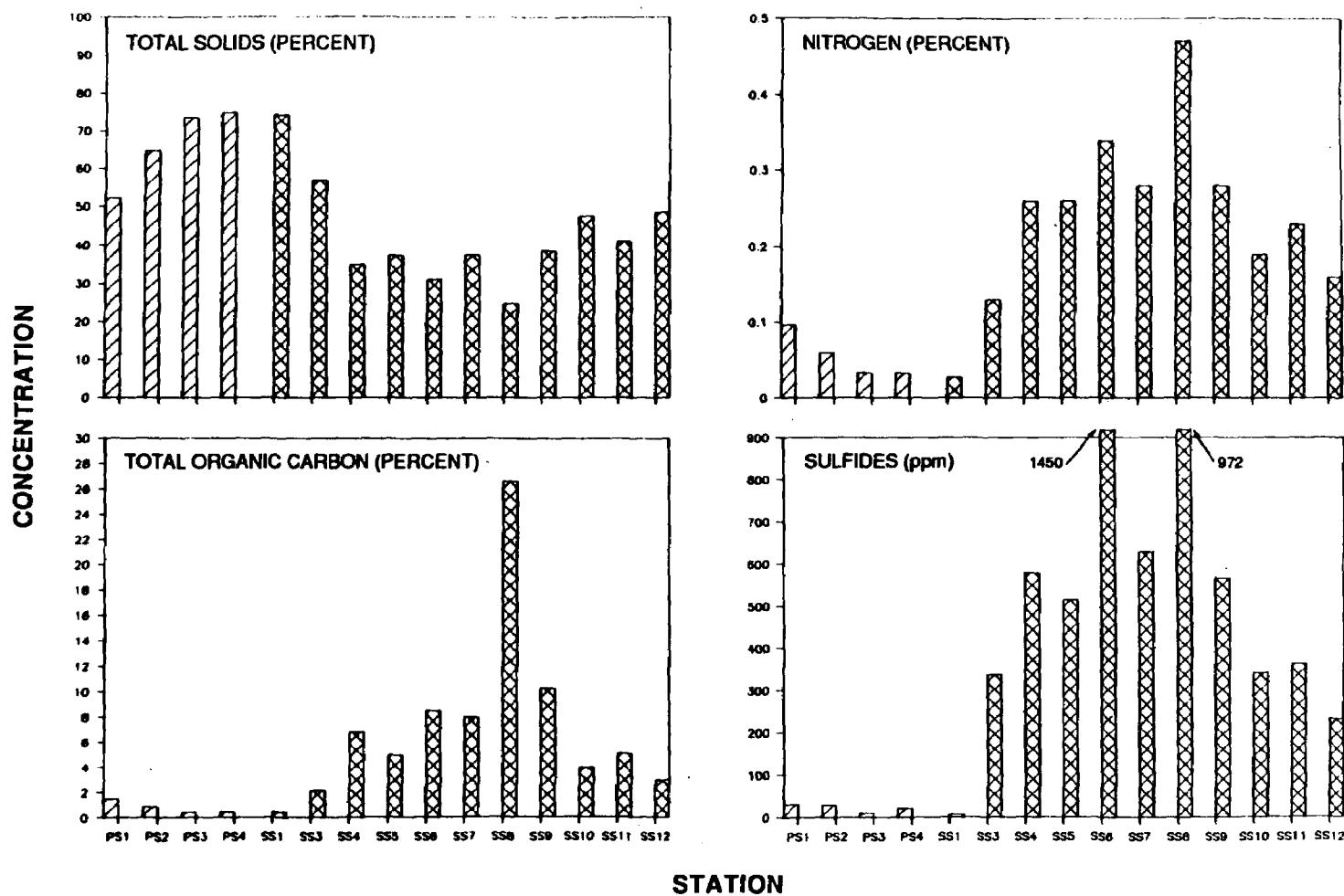


Figure D-13. Total solids, total organic carbon, nitrogen, and sulfide content of the surficial sediments at stations along Seattle Waterfront South and in Port Susan.

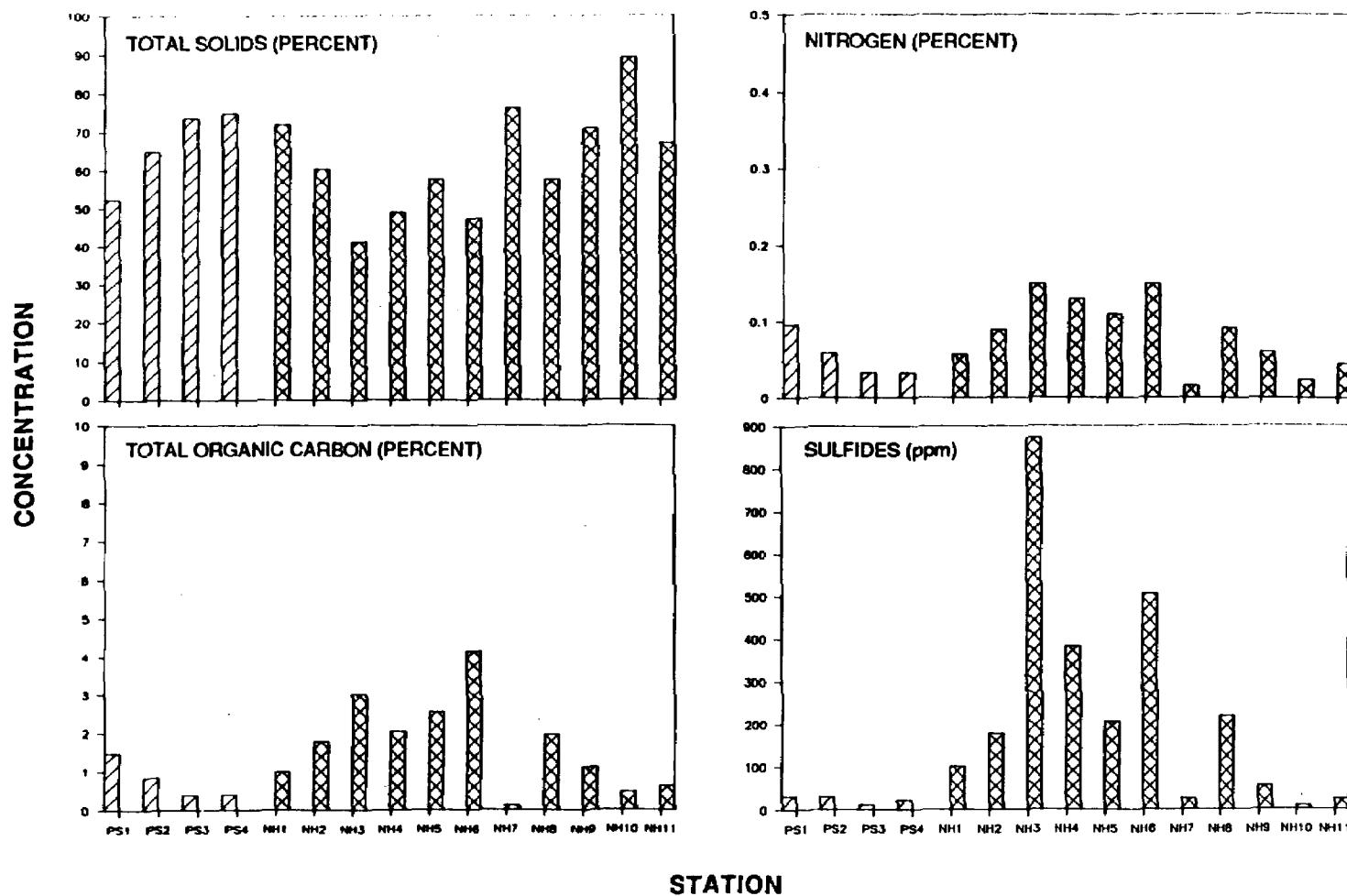


Figure D-14. Total solids, total organic carbon, nitrogen, and sulfide content of the surficial sediments at stations along North Harbor Island and in Port Susan.

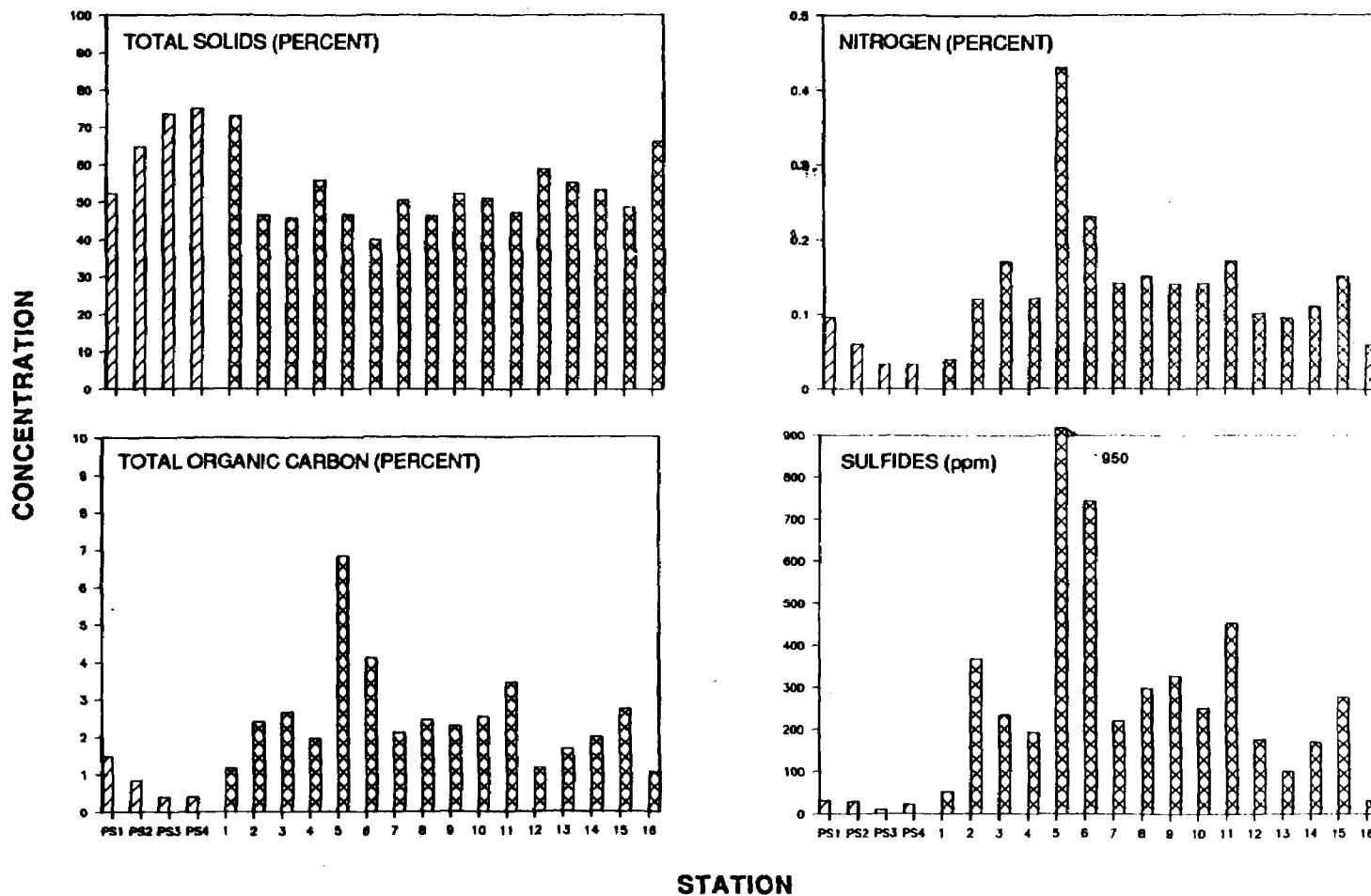


Figure D-15. Total solids, total organic carbon, nitrogen, and sulfide content of the surficial sediments at stations along East Waterway and in Port Susan.

D-16

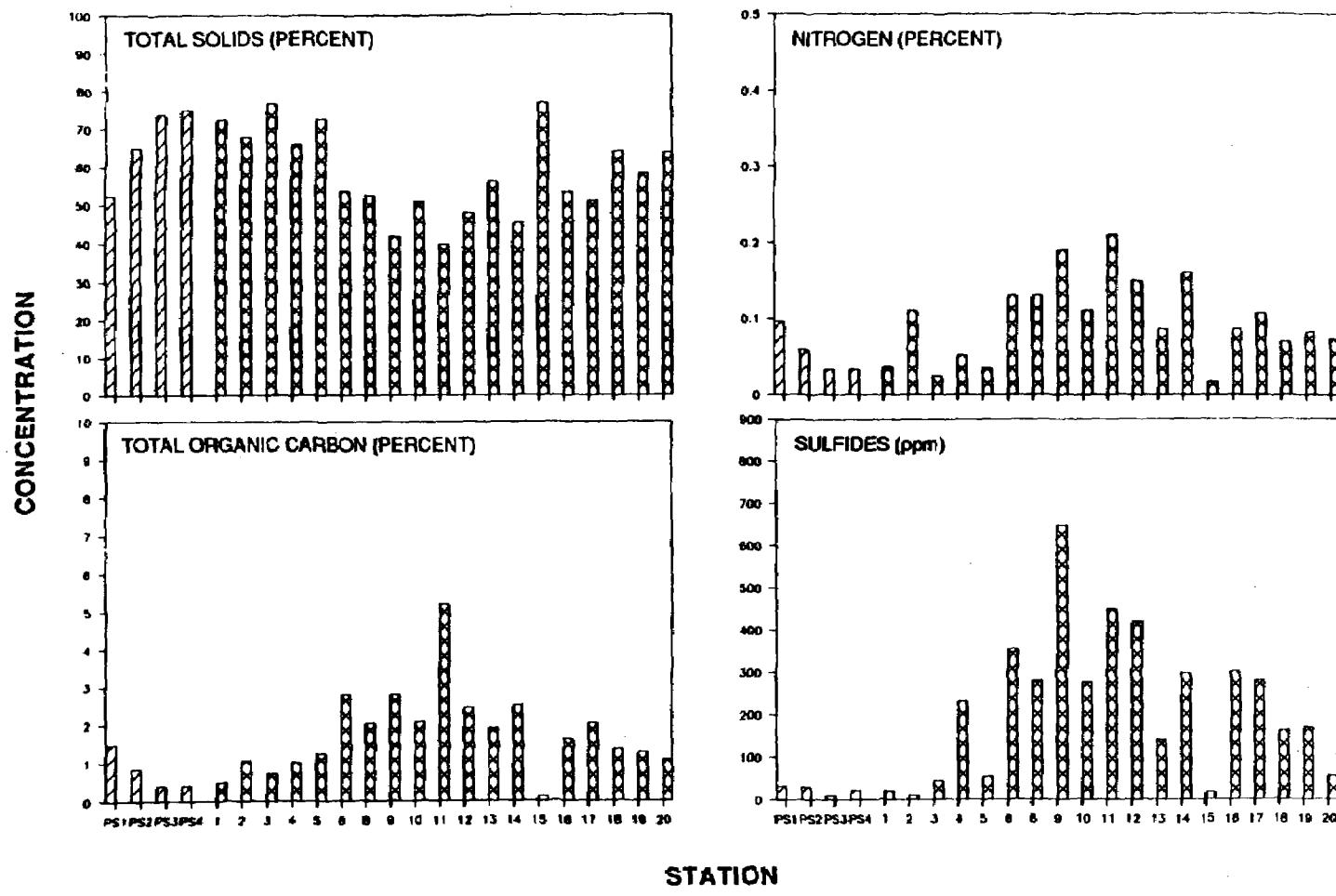


Figure D-16. Total solids, total organic carbon, nitrogen, and sulfide content of the surficial sediments at stations along West Waterway and in Port Susan.

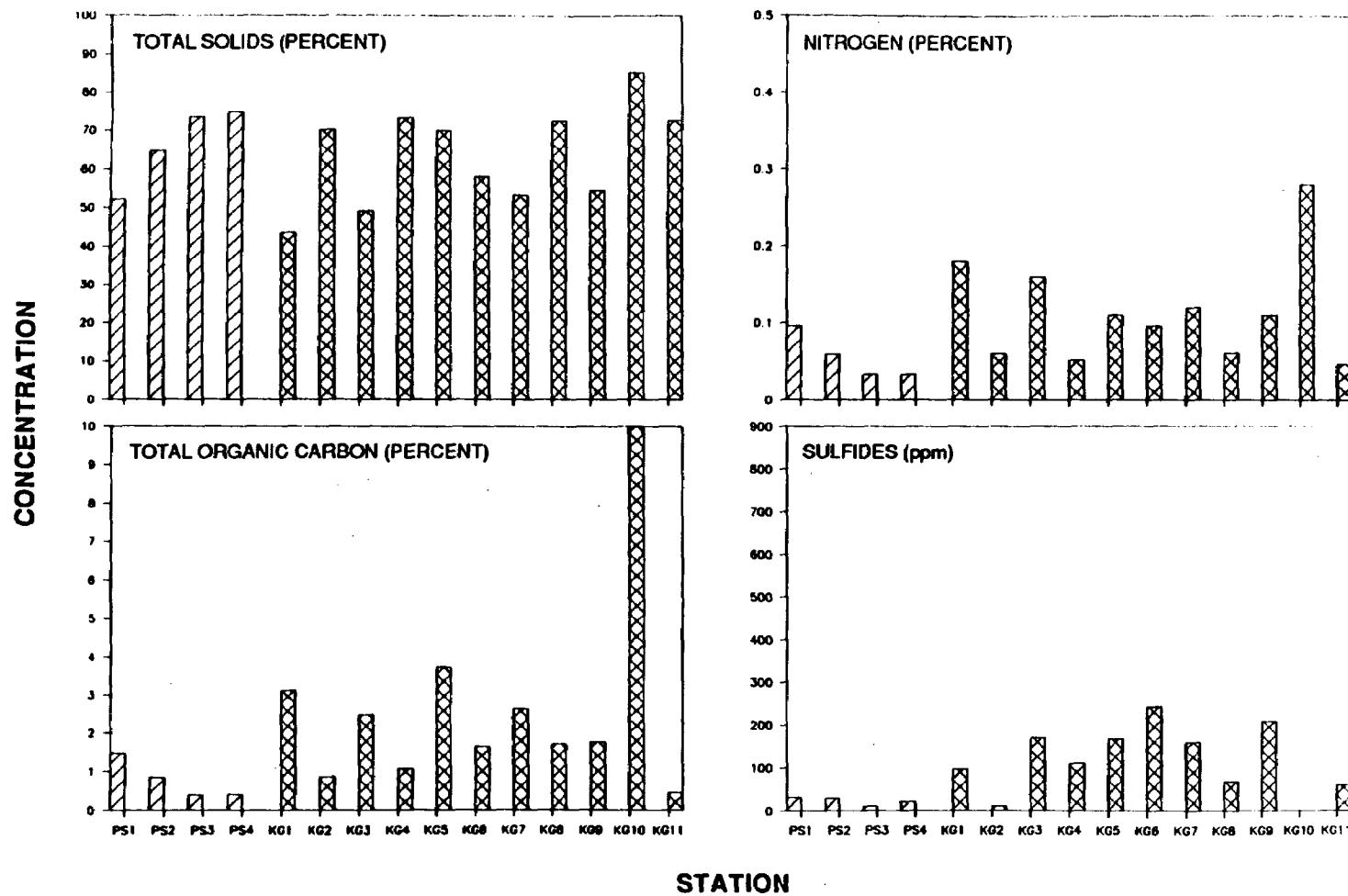


Figure D-17. Total solids, total organic carbon, nitrogen, and sulfide content of the surficial sediments at stations along Kellogg Island and in Port Susan.

D-18

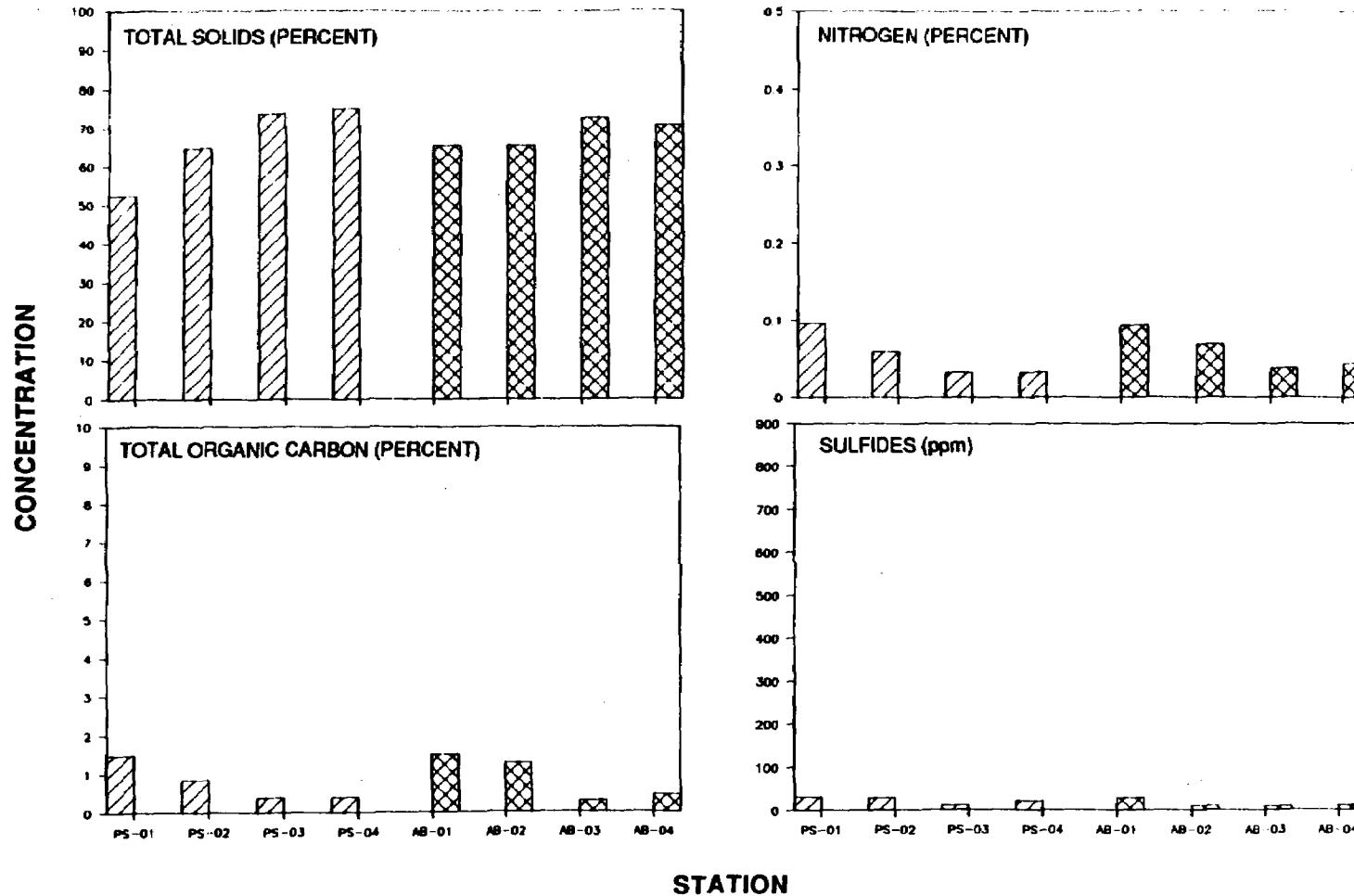


Figure D-18. Total solids, total organic carbon, nitrogen, and sulfide content of the surficial sediments at stations along Duwamish Head/Alki Point and in Port Susan.

**APPENDIX E**  
**AMPHIPOD BIOASSAY AND BENTHIC INFAUNA DATA**

## CONTENTS

- APPENDIX E-1 AMPHIPOD BIOASSAY RESULTS
- APPENDIX E-2 ABUNDANCES OF MAJOR TAXA OF BENTHIC INFAUNA
- APPENDIX E-3 BENTHIC INFAUNA DATA BY STATION AND REPLICATE

## TABLES

<u>Number</u>		<u>Page</u>
E-2.1	Abundances of major taxa of benthic infauna	E-18
E-3	Benthic infauna data by station and replicate	E-105

**APPENDIX E-1**  
**AMPHIPOD BIOASSAY RESULTS**

APPENDIX E-1. AMPHIPOD BIOASSAY (10 DAY) RESULTS

Station	Date	Control Sample Number	Bioassay Run Number	Initial Number	Final Number	Percent Mortality
AB-01	09/26/85	CTRL5	5	20	15	25.00
AB-01	09/26/85	CTRL5	5	20	13	35.00
AB-01	09/26/85	CTRL5	5	20	10	50.00
AB-01	09/26/85	CTRL5	5	20	4	80.00
AB-01	09/26/85	CTRL5	5	20	11	45.00
AB-02	09/26/85	CTRL5	5	20	18	10.00
AB-02	09/26/85	CTRL5	5	20	19	5.00
AB-02	09/26/85	CTRL5	5	20	20	0.00
AB-02	09/26/85	CTRL5	5	20	17	15.00
AB-02	09/26/85	CTRL5	5	20	20	0.00
AB-03	09/26/85	CTRL5	5	20	20	0.00
AB-03	09/26/85	CTRL5	5	20	20	0.00
AB-03	09/26/85	CTRL5	5	40	36	10.00
AB-03	09/26/85	CTRL5	5	20	20	0.00
AB-03	09/26/85	CTRL5	5	20	19	5.00
AB-04	09/26/85	CTRL5	5	20	20	0.00
AB-04	09/26/85	CTRL5	5	20	19	0.00
AB-04	09/26/85	CTRL5	5	20	20	0.00
AB-04	09/26/85	CTRL5	5	20	19	5.00
AB-04	09/26/85	CTRL5	5	20	19	5.00
DR-01	09/30/85	CTRL5	5	20	15	25.00
DR-01	09/30/85	CTRL5	5	20	17	15.00
DR-01	09/30/85	CTRL5	5	20	19	5.00
DR-01	09/30/85	CTRL5	5	20	19	5.00
DR-01	09/30/85	CTRL5	5	20	17	15.00
DR-02	09/30/85	CTRL5	5	20	4	80.00
DR-02	09/30/85	CTRL5	5	20	12	40.00
DR-02	09/30/85	CTRL5	5	20	15	25.00
DR-02	09/30/85	CTRL5	5	20	16	20.00
DR-02	09/30/85	CTRL5	5	20	15	25.00
DR-03	09/30/85	CTRL5	5	20	15	25.00
DR-03	09/30/85	CTRL5	5	20	13	35.00
DR-03	09/30/85	CTRL5	5	20	19	5.00
DR-03	09/30/85	CTRL5	5	40	39	2.50
DR-03	09/30/85	CTRL5	5	20	19	5.00
DR-04	09/30/85	CTRL5	5	20	15	25.00
DR-04	09/30/85	CTRL5	5	20	14	30.00
DR-04	09/30/85	CTRL5	5	20	17	15.00
DR-04	09/30/85	CTRL5	5	20	18	10.00
DR-04	09/30/85	CTRL5	5	20	18	10.00
DR-05	09/30/85	CTRL5	5	20	17	15.00
DR-05	09/30/85	CTRL5	5	20	19	5.00
DR-05	09/30/85	CTRL5	5	20	20	0.00
DR-05	09/30/85	CTRL5	5	20	0	100.00
DR-05	09/30/85	CTRL5	5	20	15	25.00

## APPENDIX E-1. (CONTINUED)

Station	Date	Control Sample Number	Bioassay Run Number	Initial Number	Final Number	Percent Mortality
DR-06	10/09/85	CTRL3	3	20	19	5.00
DR-06	10/09/85	CTRL3	3	20	20	0.00
DR-06	10/09/85	CTRL3	3	20	19	5.00
DR-06	10/09/85	CTRL3	3	20	17	15.00
DR-06	10/09/85	CTRL3	3	20	17	15.00
DR-07	09/30/85	CTRL5	5	20	20	0.00
DR-07	09/30/85	CTRL5	5	20	16	20.00
DR-07	09/30/85	CTRL5	5	20	18	10.00
DR-07	09/30/85	CTRL5	5	20	18	10.00
DR-07	09/30/85	CTRL5	5	20	20	0.00
DR-08	09/30/85	CTRL5	5	20	20	0.00
DR-08	09/30/85	CTRL5	5	20	13	35.00
DR-08	09/30/85	CTRL5	5	20	16	20.00
DR-08	09/30/85	CTRL5	5	20	11	45.00
DR-08	09/30/85	CTRL5	5	20	15	25.00
DR-09	09/30/85	CTRL5	5	20	17	15.00
DR-09	09/30/85	CTRL5	5	20	16	20.00
DR-09	09/30/85	CTRL5	5	20	17	15.00
DR-09	09/30/85	CTRL5	5	20	16	20.00
DR-09	09/30/85	CTRL5	5	20	17	15.00
DR-10	09/30/85	CTRL5	5	20	20	0.00
DR-10	09/30/85	CTRL5	5	20	18	10.00
DR-10	09/30/85	CTRL5	5	20	18	10.00
DR-10	09/30/85	CTRL5	5	20	18	10.00
DR-10	09/30/85	CTRL5	5	20	19	5.00
DR-11	09/30/85	CTRL5	5	20	13	35.00
DR-11	09/30/85	CTRL5	5	20	16	20.00
DR-11	09/30/85	CTRL5	5	20	14	30.00
DR-11	09/30/85	CTRL5	5	20	15	25.00
DR-11	09/30/85	CTRL5	5	20	19	5.00
DR-12	09/30/85	CTRL5	5	20	15	25.00
DR-12	09/30/85	CTRL5	5	20	19	5.00
DR-12	09/30/85	CTRL5	5	20	17	15.00
DR-12	09/30/85	CTRL5	5	20	16	20.00
DR-12	09/30/85	CTRL5	5	20	16	20.00
DR-13	09/30/85	CTRL5	5	20	5	75.00
DR-13	09/30/85	CTRL5	5	20	2	90.00
DR-13	09/30/85	CTRL5	5	20	3	85.00
DR-13	09/30/85	CTRL5	5	20	16	20.00
DR-13	09/30/85	CTRL5	5	20	17	15.00
DR-14	09/30/85	CTRL5	5	20	8	60.00
DR-14	09/30/85	CTRL5	5	20	17	15.00
DR-14	09/30/85	CTRL5	5	20	17	15.00
DR-14	09/30/85	CTRL5	5	20	16	20.00
DR-14	09/30/85	CTRL5	5	20	10	50.00

APPENDIX E-1. (CONTINUED)

Station	Date	Control Sample Number	Bioassay Run Number	Initial Number	Final Number	Percent Mortality
DR-15	09/30/85	CTRL5	5	20	3	85.00
DR-15	09/30/85	CTRL5	5	20	3	85.00
DR-15	09/30/85	CTRL5	5	20	0	100.00
DR-15	09/30/85	CTRL5	5	20	2	90.00
DR-15	09/30/85	CTRL5	5	20	3	85.00
DR-16	09/30/85	CTRL5	5	20	19	5.00
DR-16	09/30/85	CTRL5	5	20	11	45.00
DR-16	09/30/85	CTRL5	5	20	15	25.00
DR-16	09/30/85	CTRL5	5	20	8	60.00
DR-16	09/30/85	CTRL5	5	20	2	90.00
DR-17	09/30/85	CTRL5	5	20	20	0.00
DR-17	09/30/85	CTRL5	5	20	18	10.00
DR-17	09/30/85	CTRL5	5	20	19	5.00
DR-17	09/30/85	CTRL5	5	20	16	20.00
DR-17	09/30/85	CTRL5	5	20	19	5.00
DR-25	10/10/85	CTRL2	2	20	17	15.00
DR-25	10/10/85	CTRL2	2	20	16	20.00
DR-25	10/10/85	CTRL2	2	20	7	65.00
DR-25	10/10/85	CTRL2	2	20	11	45.00
DR-25	10/10/85	CTRL2	2	20	9	55.00
EW-01	10/09/85	CTRL3	3	20	20	0.00
EW-01	10/09/85	CTRL3	3	20	20	0.00
EW-01	10/09/85	CTRL3	3	20	18	10.00
EW-01	10/09/85	CTRL3	3	20	20	0.00
EW-01	10/09/85	CTRL3	3	20	19	5.00
EW-02	10/04/85	CTRL3	3	20	15	25.00
EW-02	10/04/85	CTRL3	3	20	13	35.00
EW-02	10/04/85	CTRL3	3	20	10	50.00
EW-02	10/04/85	CTRL3	3	20	7	65.00
EW-02	10/04/85	CTRL3	3	20	16	20.00
EW-03	10/04/85	CTRL3	3	20	19	5.00
EW-03	10/04/85	CTRL3	3	20	18	10.00
EW-03	10/04/85	CTRL3	3	20	0	100.00
EW-03	10/04/85	CTRL3	3	20	19	5.00
EW-03	10/04/85	CTRL3	3	20	15	25.00
EW-04	10/14/85	CTRL4	4	20	7	65.00
EW-04	10/14/85	CTRL4	4	20	10	50.00
EW-04	10/14/85	CTRL4	4	20	10	50.00
EW-04	10/14/85	CTRL4	4	20	10	50.00
EW-04	10/14/85	CTRL4	4	20	5	75.00
EW-05	10/14/85	CTRL4	4	20	0	100.00
EW-05	10/14/85	CTRL4	4	20	0	100.00
EW-05	10/14/85	CTRL4	4	20	0	100.00
EW-05	10/14/85	CTRL4	4	20	0	100.00

## APPENDIX E-1. (CONTINUED)

Station	Date	Control Sample Number	Bioassay Run Number	Initial Number	Final Number	Percent Mortality
EW-06	10/04/85	CTRL3	3	20	13	35.00
EW-06	10/04/85	CTRL3	3	20	12	40.00
EW-06	10/04/85	CTRL3	3	20	13	35.00
EW-06	10/04/85	CTRL3	3	20	14	30.00
EW-06	10/04/85	CTRL3	3	20	9	55.00
EW-07	10/14/85	CTRL4	4	20	4	80.00
EW-07	10/14/85	CTRL4	4	20	10	50.00
EW-07	10/14/85	CTRL4	4	20	7	65.00
EW-07	10/14/85	CTRL4	4	20	10	50.00
EW-07	10/14/85	CTRL4	4	20	6	70.00
EW-08	10/14/85	CTRL4	4	20	2	90.00
EW-08	10/14/85	CTRL4	4	20	11	45.00
EW-08	10/14/85	CTRL4	4	20	2	90.00
EW-08	10/14/85	CTRL4	4	20	7	65.00
EW-08	10/14/85	CTRL4	4	20	13	35.00
EW-09	10/14/85	CTRL4	4	20	9	55.00
EW-09	10/14/85	CTRL4	4	20	6	70.00
EW-09	10/14/85	CTRL4	4	20	3	85.00
EW-09	10/14/85	CTRL4	4	20	16	20.00
EW-09	10/14/85	CTRL4	4	20	7	65.00
EW-10	10/14/85	CTRL4	4	20	14	30.00
EW-10	10/14/85	CTRL4	4	20	14	30.00
EW-10	10/14/85	CTRL4	4	20	7	65.00
EW-10	10/14/85	CTRL4	4	20	2	90.00
EW-10	10/14/85	CTRL4	4	20	5	75.00
EW-11	10/14/85	CTRL4	4	20	8	60.00
EW-11	10/14/85	CTRL4	4	20	9	55.00
EW-11	10/14/85	CTRL4	4	20	12	40.00
EW-11	10/14/85	CTRL4	4	20	5	75.00
EW-11	10/14/85	CTRL4	4	20	4	80.00
EW-12	10/15/85	CTRL2	2	20	18	10.00
EW-12	10/15/85	CTRL2	2	20	15	25.00
EW-12	10/15/85	CTRL2	2	20	17	15.00
EW-12	10/15/85	CTRL2	2	20	17	15.00
EW-12	10/15/85	CTRL2	2	20	17	15.00
EW-13	10/15/85	CTRL2	2	20	13	35.00
EW-13	10/15/85	CTRL2	2	20	17	15.00
EW-13	10/15/85	CTRL2	2	20	17	15.00
EW-13	10/15/85	CTRL2	2	20	18	10.00
EW-13	10/15/85	CTRL2	2	20	11	45.00
EW-14	10/15/85	CTRL2	2	20	6	70.00
EW-14	10/15/85	CTRL2	2	20	19	5.00
EW-14	10/15/85	CTRL2	2	20	17	15.00
EW-14	10/15/85	CTRL2	2	20	18	10.00
EW-14	10/15/85	CTRL2	2	20	18	10.00

## APPENDIX E-1. (CONTINUED)

Station	Date	Control Sample Number	Bioassay Run Number	Initial Number	Final Number	Percent Mortality
EW-15	10/15/85	CTRL2	2	20	17	15.00
EW-15	10/15/85	CTRL2	2	20	16	20.00
EW-15	10/15/85	CTRL2	2	20	17	15.00
EW-15	10/15/85	CTRL2	2	20	16	20.00
EW-15	10/15/85	CTRL2	2	20	18	10.00
EW-16	10/15/85	CTRL2	2	20	16	20.00
EW-16	10/15/85	CTRL2	2	20	15	25.00
EW-16	10/15/85	CTRL2	2	20	12	40.00
EW-16	10/15/85	CTRL2	2	20	13	35.00
EW-16	10/15/85	CTRL2	2	20	13	35.00
KG-01	09/25/85	CTRL5	5	20	16	20.00
KG-01	09/25/85	CTRL5	5	20	18	10.00
KG-01	09/25/85	CTRL5	5	20	15	25.00
KG-01	09/25/85	CTRL5	5	20	13	35.00
KG-01	09/25/85	CTRL5	5	20	16	20.00
KG-02	10/09/85	CTRL3	3	20	18	10.00
KG-02	10/09/85	CTRL3	3	20	17	15.00
KG-02	10/09/85	CTRL3	3	20	8	60.00
KG-02	10/09/85	CTRL3	3	20	10	50.00
KG-02	10/09/85	CTRL3	3	20	10	50.00
KG-03	09/25/85	CTRL5	5	20	14	30.00
KG-03	09/25/85	CTRL5	5	20	16	20.00
KG-03	09/25/85	CTRL5	5	20	13	35.00
KG-03	09/25/85	CTRL5	5	20	12	40.00
KG-03	09/25/85	CTRL5	5	20	18	10.00
KG-04	10/09/85	CTRL3	3	20	13	35.00
KG-04	10/09/85	CTRL3	3	20	19	5.00
KG-04	10/09/85	CTRL3	3	20	17	15.00
KG-04	10/09/85	CTRL3	3	20	16	20.00
KG-04	10/09/85	CTRL3	3	20	17	15.00
KG-05	09/30/85	CTRL5	5	20	15	25.00
KG-05	09/30/85	CTRL5	5	20	13	35.00
KG-05	09/30/85	CTRL5	5	20	14	30.00
KG-05	09/30/85	CTRL5	5	20	15	25.00
KG-05	09/30/85	CTRL5	5	20	11	45.00
KG-06	09/30/85	CTRL5	5	20	17	15.00
KG-06	09/30/85	CTRL5	5	20	19	5.00
KG-06	09/30/85	CTRL5	5	20	19	5.00
KG-06	09/30/85	CTRL5	5	20	17	15.00
KG-06	09/30/85	CTRL5	5	20	19	5.00
KG-07	09/30/85	CTRL5	5	20	18	10.00
KG-07	09/30/85	CTRL5	5	20	19	5.00
KG-07	09/30/85	CTRL5	5	20	16	20.00
KG-07	09/30/85	CTRL5	5	20	5	75.00
KG-07	09/30/85	CTRL5	5	20	19	5.00

## APPENDIX E-1. (CONTINUED)

Station	Date	Control Sample Number	Bioassay Run Number	Initial Number	Final Number	Percent Mortality
KG-08	10/01/85	CTRL1	1	20	19	5.00
KG-08	10/01/85	CTRL1	1	20	13	35.00
KG-08	10/01/85	CTRL1	1	20	17	15.00
KG-08	10/01/85	CTRL1	1	20	18	10.00
KG-08	10/01/85	CTRL1	1	20	17	15.00
KG-09	10/01/85	CTRL1	1	20	12	40.00
KG-09	10/01/85	CTRL1	1	20	15	25.00
KG-09	10/01/85	CTRL1	1	20	13	35.00
KG-09	10/01/85	CTRL1	1	20	13	35.00
KG-09	10/01/85	CTRL1	1	20	14	30.00
KG-10	10/08/85	CTRL3	3	20	17	15.00
KG-10	10/08/85	CTRL3	3	20	14	30.00
KG-10	10/08/85	CTRL3	3	20	12	40.00
KG-10	10/08/85	CTRL3	3	20	11	45.00
KG-10	10/08/85	CTRL3	3	20	15	25.00
KG-11	10/01/85	CTRL1	1	20	15	25.00
KG-11	10/01/85	CTRL1	1	20	13	35.00
KG-11	10/01/85	CTRL1	1	20	14	30.00
KG-11	10/01/85	CTRL1	1	20	14	30.00
KG-11	10/01/85	CTRL1	1	20	12	40.00
LAB	/ /	CTRL1	1	20	20	0.00
LAB	/ /	CTRL1	1	20	20	0.00
LAB	/ /	CTRL1	1	20	20	0.00
LAB	/ /	CTRL1	1	20	20	0.00
LAB	/ /	CTRL1	1	20	20	0.00
LAB	/ /	CTRL1	1	20	20	0.00
LAB	/ /	CTRL1	1	20	18	10.00
LAB	/ /	CTRL1	1	20	20	0.00
LAB	/ /	CTRL1	1	20	20	0.00
LAB	/ /	CTRL1	1	20	20	0.00
LAB	/ /	CTRL1	1	20	20	0.00
LAB	/ /	CTRL2	2	20	17	15.00
LAB	/ /	CTRL2	2	20	20	0.00
LAB	/ /	CTRL2	2	20	19	5.00
LAB	/ /	CTRL2	2	20	18	10.00
LAB	/ /	CTRL2	2	20	16	20.00
LAB	/ /	CTRL3	3	20	19	5.00
LAB	/ /	CTRL3	3	20	19	5.00
LAB	/ /	CTRL3	3	20	19	5.00
LAB	/ /	CTRL3	3	20	18	10.00
LAB	/ /	CTRL3	3	20	20	0.00
LAB	/ /	CTRL4	4	20	20	0.00
LAB	/ /	CTRL4	4	20	20	0.00
LAB	/ /	CTRL4	4	20	20	0.00
LAB	/ /	CTRL4	4	20	19	5.00

## APPENDIX E-1. (CONTINUED)

Station	Date	Control Sample Number	Bioassay		Initial Number	Final Number	Percent Mortality
			Run Number				
LAB	/ /	CTRL5	5	20	20		0.00
LAB	/ /	CTRL5	5	20	17		15.00
LAB	/ /	CTRL5	5	20	19		5.00
LAB	/ /	CTRL5	5	20	20		0.00
LAB	/ /	CTRL5	5	20	19		5.00
LAB	/ /	CTRL5	5	20	20		0.00
LAB	/ /	CTRL5	5	20	20		0.00
LAB	/ /	CTRL5	5	20	19		5.00
LAB	/ /	CTRL5	5	20	20		0.00
LAB	/ /	CTRL5	5	20	19		5.00
LAB	/ /	CTRL5	5	20	20		0.00
LAB	/ /	CTRL5	5	20	20		0.00
LAB	/ /	CTRL5	5	20	20		0.00
LAB	/ /	CTRL5	5	20	20		0.00
LAB	/ /	CTRL5	5	20	19		5.00
LAB	/ /	CTRL5	5	20	20		0.00
LAB	/ /	CTRL5	5	20	20		0.00
LAB	/ /	CTRL5	5	20	20		0.00
LAB	/ /	CTRL5	5	20	19		5.00
MG-01	09/26/85	CTRL5	5	20	19		5.00
MG-01	09/26/85	CTRL5	5	20	18		10.00
MG-01	09/26/85	CTRL5	5	20	18		10.00
MG-01	09/26/85	CTRL5	5	20	19		5.00
MG-01	09/26/85	CTRL5	5	20	19		5.00
MG-02	09/26/85	CTRL5	5	20	19		5.00
MG-02	09/26/85	CTRL5	5	20	18		10.00
MG-02	09/26/85	CTRL5	5	20	20		0.00
MG-02	09/26/85	CTRL5	5	20	20		0.00
MG-02	09/26/85	CTRL5	5	20	20		0.00
MG-03	09/26/85	CTRL5	5	20	18		10.00
MG-03	09/26/85	CTRL5	5	20	19		5.00
MG-03	09/26/85	CTRL5	5	20	20		0.00
MG-03	09/26/85	CTRL5	5	20	18		10.00
MG-03	09/26/85	CTRL5	5	20	18		10.00
MG-04	09/26/85	CTRL5	5	20	20		0.00
MG-04	09/26/85	CTRL5	5	20	18		10.00
MG-04	09/26/85	CTRL5	5	20	19		5.00
MG-04	09/26/85	CTRL5	5	20	17		15.00
MG-04	09/26/85	CTRL5	5	20	20		0.00
NH-01	10/15/85	CTRL2	2	20	20		0.00
NH-01	10/15/85	CTRL2	2	20	19		5.00
NH-01	10/15/85	CTRL2	2	20	19		5.00
NH-01	10/15/85	CTRL2	2	20	15		25.00
NH-01	10/15/85	CTRL2	2	20	7		65.00

## APPENDIX E-1. (CONTINUED)

Station	Date	Control Sample Number	Bioassay Run Number	Initial Number	Final Number	Percent Mortality
NH-02	10/15/85	CTRL2	2	20	9	55.00
NH-02	10/15/85	CTRL2	2	20	16	20.00
NH-02	10/15/85	CTRL2	2	20	14	30.00
NH-02	10/15/85	CTRL2	2	20	14	30.00
NH-02	10/15/85	CTRL2	2	20	2	90.00
NH-03	10/16/85	CTRL2	2	20	0	100.00
NH-03	10/16/85	CTRL2	2	20	0	100.00
NH-03	10/16/85	CTRL2	2	20	3	85.00
NH-03	10/16/85	CTRL2	2	20	3	85.00
NH-03	10/16/85	CTRL2	2	20	0	100.00
NH-04	10/15/85	CTRL2	2	20	3	85.00
NH-04	10/15/85	CTRL2	2	20	1	95.00
NH-04	10/15/85	CTRL2	2	20	3	85.00
NH-04	10/15/85	CTRL2	2	20	3	85.00
NH-04	10/15/85	CTRL2	2	20	3	85.00
NH-05	10/15/85	CTRL2	2	20	6	70.00
NH-05	10/15/85	CTRL2	2	20	6	70.00
NH-05	10/15/85	CTRL2	2	20	6	70.00
NH-05	10/15/85	CTRL2	2	20	2	90.00
NH-05	10/15/85	CTRL2	2	20	0	100.00
NH-06	10/16/85	CTRL2	2	20	4	80.00
NH-06	10/16/85	CTRL2	2	20	5	75.00
NH-06	10/16/85	CTRL2	2	20	0	100.00
NH-06	10/16/85	CTRL2	2	20	5	75.00
NH-06	10/16/85	CTRL2	2	20	3	85.00
NH-07	10/09/85	CTRL3	3	20	17	15.00
NH-07	10/09/85	CTRL3	3	20	19	5.00
NH-07	10/09/85	CTRL3	3	20	19	5.00
NH-07	10/09/85	CTRL3	3	20	19	5.00
NH-07	10/09/85	CTRL3	3	20	17	15.00
NH-08	10/16/85	CTRL2	2	20	0	100.00
NH-08	10/16/85	CTRL2	2	20	0	100.00
NH-08	10/16/85	CTRL2	2	20	0	100.00
NH-08	10/16/85	CTRL2	2	20	0	100.00
NH-09	10/16/85	CTRL2	2	20	2	90.00
NH-09	10/16/85	CTRL2	2	20	10	50.00
NH-09	10/16/85	CTRL2	2	20	10	50.00
NH-09	10/16/85	CTRL2	2	20	6	70.00
NH-09	10/16/85	CTRL2	2	20	14	30.00
NH-10	10/08/85	CTRL3	3	20	15	25.00
NH-10	10/08/85	CTRL3	3	20	16	20.00
NH-10	10/08/85	CTRL3	3	20	18	10.00
NH-10	10/08/85	CTRL3	3	20	11	45.00
NH-10	10/08/85	CTRL3	3	20	16	20.00

APPENDIX E-1. (CONTINUED)

Station	Date	Control Sample Number	Bioassay Run Number	Initial Number	Final Number	Percent Mortality
NH-11	10/15/85	CTRL2	2	20	14	30.00
NH-11	10/15/85	CTRL2	2	20	13	35.00
NH-11	10/15/85	CTRL2	2	20	1	95.00
NH-11	10/15/85	CTRL2	2	20	9	55.00
NH-11	10/15/85	CTRL2	2	20	8	60.00
NS-01	10/08/85	CTRL3	3	20	9	55.00
NS-01	10/08/85	CTRL3	3	20	6	70.00
NS-01	10/08/85	CTRL3	3	20	11	45.00
NS-01	10/08/85	CTRL3	3	20	5	75.00
NS-01	10/08/85	CTRL3	3	20	11	45.00
NS-02	09/27/85	CTRL5	5	20	20	0.00
NS-02	09/27/85	CTRL5	5	20	7	65.00
NS-02	09/27/85	CTRL5	5	20	19	5.00
NS-02	09/27/85	CTRL5	5	20	18	10.00
NS-02	09/27/85	CTRL5	5	20	20	0.00
NS-03	10/04/85	CTRL3	3	20	15	25.00
NS-03	10/04/85	CTRL3	3	20	20	0.00
NS-03	10/04/85	CTRL3	3	20	18	10.00
NS-03	10/04/85	CTRL3	3	20	17	15.00
NS-03	10/04/85	CTRL3	3	20	17	15.00
NS-04	10/08/85	CTRL3	3	20	13	35.00
NS-04	10/08/85	CTRL3	3	20	19	5.00
NS-04	10/08/85	CTRL3	3	20	6	70.00
NS-04	10/08/85	CTRL3	3	20	20	0.00
NS-04	10/08/85	CTRL3	3	20	9	55.00
NS-05	10/04/85	CTRL3	3	20	17	15.00
NS-05	10/04/85	CTRL3	3	20	18	10.00
NS-05	10/04/85	CTRL3	3	20	20	0.00
NS-05	10/04/85	CTRL3	3	20	17	15.00
NS-05	10/04/85	CTRL3	3	20	18	10.00
NS-06	09/27/85	CTRL5	5	20	20	0.00
NS-06	09/27/85	CTRL5	5	20	7	65.00
NS-06	09/27/85	CTRL5	5	20	20	0.00
NS-06	09/27/85	CTRL5	5	20	20	0.00
NS-06	09/27/85	CTRL5	5	20	18	10.00
NS-07	10/04/85	CTRL3	3	20	16	20.00
NS-07	10/04/85	CTRL3	3	20	11	45.00
NS-07	10/04/85	CTRL3	3	20	18	10.00
NS-07	10/04/85	CTRL3	3	20	7	65.00
NS-07	10/04/85	CTRL3	3	20	12	40.00
NS-08	09/26/85	CTRL5	5	20	1	95.00
NS-08	09/26/85	CTRL5	5	20	0	100.00
NS-08	09/26/85	CTRL5	5	20	7	65.00
NS-08	09/26/85	CTRL5	5	20	6	70.00
NS-08	09/26/85	CTRL5	5	20	4	80.00

## APPENDIX E-1. (CONTINUED)

Station	Date	Control Sample Number	Bioassay Run Number	Initial Number	Final Number	Percent Mortality
PS-01	10/12/85	CTRL2	2	20	19	5.00
PS-01	10/12/85	CTRL2	2	20	16	20.00
PS-01	10/12/85	CTRL2	2	20	17	15.00
PS-01	10/12/85	CTRL2	2	20	17	15.00
PS-01	10/12/85	CTRL2	2	20	18	10.00
PS-01	10/12/85	CTRL2	2	20	16	20.00
PS-01	10/12/85	CTRL2	2	20	12	40.00
PS-01	10/12/85	CTRL2	2	20	18	10.00
PS-01	10/12/85	CTRL2	2	20	14	30.00
PS-01	10/12/85	CTRL2	2	20	15	25.00
PS-02	10/12/85	CTRL2	2	20	13	35.00
PS-02	10/12/85	CTRL2	2	20	14	30.00
PS-02	10/12/85	CTRL2	2	20	16	20.00
PS-02	10/12/85	CTRL2	2	20	16	20.00
PS-02	10/12/85	CTRL2	2	20	17	15.00
PS-03	10/12/85	CTRL2	2	20	16	20.00
PS-03	10/12/85	CTRL2	2	20	17	15.00
PS-03	10/12/85	CTRL2	2	20	18	10.00
PS-03	10/12/85	CTRL2	2	20	20	0.00
PS-03	10/12/85	CTRL2	2	20	19	5.00
PS-04	10/12/85	CTRL2	2	20	14	30.00
PS-04	10/12/85	CTRL2	2	20	15	25.00
PS-04	10/12/85	CTRL2	2	20	16	20.00
PS-04	10/12/85	CTRL2	2	20	18	10.00
PS-04	10/12/85	CTRL2	2	20	20	0.00
SS-01	10/16/85	CTRL2	2	20	16	20.00
SS-01	10/16/85	CTRL2	2	20	20	0.00
SS-01	10/16/85	CTRL2	2	20	19	5.00
SS-01	10/16/85	CTRL2	2	20	17	15.00
SS-01	10/16/85	CTRL2	2	20	19	5.00
SS-03	10/04/85	CTRL3	3	20	19	5.00
SS-03	10/04/85	CTRL3	3	20	11	45.00
SS-03	10/04/85	CTRL3	3	20	4	80.00
SS-03	10/04/85	CTRL3	3	20	5	75.00
SS-03	10/04/85	CTRL3	3	20	4	80.00
SS-04	10/04/85	CTRL3	3	20	11	45.00
SS-04	10/04/85	CTRL3	3	20	20	0.00
SS-04	10/04/85	CTRL3	3	20	18	10.00
SS-04	10/04/85	CTRL3	3	20	18	10.00
SS-04	10/04/85	CTRL3	3	20	20	0.00
SS-05	10/03/85	CTRL1	1	20	12	40.00
SS-05	10/03/85	CTRL1	1	20	19	5.00
SS-05	10/03/85	CTRL1	1	20	17	15.00
SS-05	10/03/85	CTRL1	1	20	18	10.00
SS-05	10/03/85	CTRL1	1	20	16	20.00

## APPENDIX E-1. (CONTINUED)

Station	Date	Control Sample Number	Bioassay		Initial Number	Final Number	Percent Mortality
			Run Number				
SS-05	10/03/85	CTRL1	1	20	19	5.00	
SS-05	10/03/85	CTRL1	1	20	15	25.00	
SS-05	10/03/85	CTRL1	1	20	17	15.00	
SS-05	10/03/85	CTRL1	1	20	15	25.00	
SS-05	10/03/85	CTRL1	1	20	8	60.00	
SS-05	10/03/85	CTRL1	1	20	17	15.00	
SS-05	10/03/85	CTRL1	1	20	18	10.00	
SS-05	10/03/85	CTRL1	1	20	15	25.00	
SS-05	10/03/85	CTRL1	1	20	16	20.00	
SS-05	10/03/85	CTRL1	1	20	15	25.00	
SS-06	10/03/85	CTRL1	1	20	11	45.00	
SS-06	10/03/85	CTRL1	1	20	7	65.00	
SS-06	10/03/85	CTRL1	1	20	12	40.00	
SS-06	10/03/85	CTRL1	1	20	14	30.00	
SS-06	10/03/85	CTRL1	1	20	11	45.00	
SS-07	10/03/85	CTRL1	1	20	13	35.00	
SS-07	10/03/85	CTRL1	1	20	13	35.00	
SS-07	10/03/85	CTRL1	1	20	17	15.00	
SS-07	10/03/85	CTRL1	1	20	13	35.00	
SS-07	10/03/85	CTRL1	1	20	14	30.00	
SS-08	09/27/85	CTRL5	5	20	12	40.00	
SS-08	09/27/85	CTRL5	5	20	7	65.00	
SS-08	09/27/85	CTRL5	5	20	13	35.00	
SS-08	09/27/85	CTRL5	5	20	8	60.00	
SS-08	09/27/85	CTRL5	5	20	16	20.00	
SS-09	09/27/85	CTRL5	5	20	11	45.00	
SS-09	09/27/85	CTRL5	5	20	13	35.00	
SS-09	09/27/85	CTRL5	5	20	15	25.00	
SS-09	09/27/85	CTRL5	5	20	17	15.00	
SS-09	09/27/85	CTRL5	5	20	15	25.00	
SS-10	09/27/85	CTRL5	5	20	16	20.00	
SS-10	09/27/85	CTRL5	5	20	19	5.00	
SS-10	09/27/85	CTRL5	5	20	18	10.00	
SS-10	09/27/85	CTRL5	5	20	16	20.00	
SS-10	09/27/85	CTRL5	5	20	17	15.00	
SS-11	09/27/85	CTRL5	5	20	18	10.00	
SS-11	09/27/85	CTRL5	5	20	20	0.00	
SS-11	09/27/85	CTRL5	5	20	17	15.00	
SS-11	09/27/85	CTRL5	5	20	18	10.00	
SS-11	09/27/85	CTRL5	5	20	17	15.00	
SS-12	09/27/85	CTRL5	5	20	13	35.00	
SS-12	09/27/85	CTRL5	5	20	16	20.00	
SS-12	09/27/85	CTRL5	5	20	16	20.00	
SS-12	09/27/85	CTRL5	5	20	17	15.00	
SS-12	09/27/85	CTRL5	5	20	19	5.00	

## APPENDIX E-1. (CONTINUED)

Station	Date	Control Sample Number	Bioassay		Initial Number	Final Number	Percent Mortality
			Run Number				
WW-01	10/01/85	CTRL1	1	20	15	25.00	
WW-01	10/01/85	CTRL1	1	20	18	10.00	
WW-01	10/01/85	CTRL1	1	20	16	20.00	
WW-01	10/01/85	CTRL1	1	20	17	15.00	
WW-01	10/01/85	CTRL1	1	20	19	5.00	
WW-02	10/09/85	CTRL3	3	20	7	65.00	
WW-02	10/09/85	CTRL3	3	20	5	75.00	
WW-02	10/09/85	CTRL3	3	20	5	75.00	
WW-02	10/09/85	CTRL3	3	20	0	100.00	
WW-02	10/09/85	CTRL3	3	20	1	95.00	
WW-03	10/01/85	CTRL1	1	20	20	0.00	
WW-03	10/01/85	CTRL1	1	20	16	20.00	
WW-03	10/01/85	CTRL1	1	20	18	10.00	
WW-03	10/01/85	CTRL1	1	20	19	5.00	
WW-03	10/01/85	CTRL1	1	20	18	10.00	
WW-04	10/01/85	CTRL1	1	20	15	25.00	
WW-04	10/01/85	CTRL1	1	20	18	10.00	
WW-04	10/01/85	CTRL1	1	20	20	0.00	
WW-04	10/01/85	CTRL1	1	20	18	10.00	
WW-04	10/01/85	CTRL1	1	20	18	10.00	
WW-05	10/01/85	CTRL1	1	20	19	5.00	
WW-05	10/01/85	CTRL1	1	20	17	15.00	
WW-05	10/01/85	CTRL1	1	20	19	5.00	
WW-05	10/01/85	CTRL1	1	20	19	5.00	
WW-05	10/01/85	CTRL1	1	20	17	15.00	
WW-06	10/01/85	CTRL1	1	20	17	15.00	
WW-06	10/01/85	CTRL1	1	20	17	15.00	
WW-06	10/01/85	CTRL1	1	20	18	10.00	
WW-06	10/01/85	CTRL1	1	20	12	40.00	
WW-06	10/01/85	CTRL1	1	20	17	15.00	
WW-06	10/01/85	CTRL1	1	20	19	5.00	
WW-06	10/01/85	CTRL1	1	20	17	15.00	
WW-06	10/01/85	CTRL1	1	20	17	15.00	
WW-06	10/01/85	CTRL1	1	20	15	25.00	
WW-06	10/01/85	CTRL1	1	20	17	15.00	
WW-08	10/01/85	CTRL1	1	20	16	20.00	
WW-08	10/01/85	CTRL1	1	20	13	35.00	
WW-08	10/01/85	CTRL1	1	20	6	70.00	
WW-08	10/01/85	CTRL1	1	20	7	65.00	
WW-08	10/01/85	CTRL1	1	20	17	15.00	
WW-09	10/02/85	CTRL1	1	20	5	75.00	
WW-09	10/02/85	CTRL1	1	20	14	30.00	
WW-09	10/02/85	CTRL1	1	20	13	35.00	
WW-09	10/02/85	CTRL1	1	20	2	90.00	
WW-09	10/02/85	CTRL1	1	20	6	70.00	

APPENDIX E-1. (CONTINUED)

Station	Date	Control Sample Number	Bioassay Run Number	Initial Number	Final Number	Percent Mortality
WW-10	10/02/85	CTRL1	1	20	15	25.00
WW-10	10/02/85	CTRL1	1	20	19	5.00
WW-10	10/02/85	CTRL1	1	20	18	10.00
WW-10	10/02/85	CTRL1	1	20	18	10.00
WW-10	10/02/85	CTRL1	1	20	18	10.00
WW-11	10/02/85	CTRL1	1	20	14	30.00
WW-11	10/02/85	CTRL1	1	20	13	35.00
WW-11	10/02/85	CTRL1	1	20	12	40.00
WW-11	10/02/85	CTRL1	1	20	14	30.00
WW-11	10/02/85	CTRL1	1	20	6	70.00
WW-12	10/02/85	CTRL1	1	20	17	15.00
WW-12	10/02/85	CTRL1	1	20	16	20.00
WW-12	10/02/85	CTRL1	1	20	5	75.00
WW-12	10/02/85	CTRL1	1	20	14	30.00
WW-12	10/02/85	CTRL1	1	20	15	25.00
WW-13	10/02/85	CTRL1	1	20	18	10.00
WW-13	10/02/85	CTRL1	1	20	18	10.00
WW-13	10/02/85	CTRL1	1	20	12	40.00
WW-13	10/02/85	CTRL1	1	20	18	10.00
WW-13	10/02/85	CTRL1	1	20	19	5.00
WW-14	10/02/85	CTRL1	1	20	14	30.00
WW-14	10/02/85	CTRL1	1	20	15	25.00
WW-14	10/02/85	CTRL1	1	20	19	5.00
WW-14	10/02/85	CTRL1	1	20	19	5.00
WW-14	10/02/85	CTRL1	1	20	15	25.00
WW-15	10/08/85	CTRL3	3	20	18	10.00
WW-15	10/08/85	CTRL3	3	20	16	20.00
WW-15	10/08/85	CTRL3	3	20	17	15.00
WW-15	10/08/85	CTRL3	3	20	19	5.00
WW-15	10/08/85	CTRL3	3	20	17	15.00
WW-16	10/02/85	CTRL1	1	20	17	15.00
WW-16	10/02/85	CTRL1	1	20	18	10.00
WW-16	10/02/85	CTRL1	1	20	13	35.00
WW-16	10/02/85	CTRL1	1	20	17	15.00
WW-16	10/02/85	CTRL1	1	20	18	10.00
WW-16	10/02/85	CTRL1	1	20	10	50.00
WW-16	10/02/85	CTRL1	1	20	18	10.00
WW-16	10/02/85	CTRL1	1	20	16	20.00
WW-16	10/02/85	CTRL1	1	20	18	10.00
WW-16	10/02/85	CTRL1	1	20	19	5.00
WW-17	10/03/85	CTRL1	1	20	18	10.00
WW-17	10/03/85	CTRL1	1	20	18	10.00
WW-17	10/03/85	CTRL1	1	20	15	25.00
WW-17	10/03/85	CTRL1	1	20	16	20.00
WW-17	10/03/85	CTRL1	1	20	17	15.00

APPENDIX E-1. (CONTINUED)

Station	Date	Control Sample Number	Bioassay		Initial Number	Final Number	Percent Mortality
			Run Number				
WW-18	10/03/85	CTRL1	1	20	18	10.00	
WW-18	10/03/85	CTRL1	1	20	19	5.00	
WW-18	10/03/85	CTRL1	1	20	13	35.00	
WW-18	10/03/85	CTRL1	1	20	18	10.00	
WW-18	10/03/85	CTRL1	1	20	18	10.00	
WW-19	10/03/85	CTRL1	1	20	15	25.00	
WW-19	10/03/85	CTRL1	1	20	17	15.00	
WW-19	10/03/85	CTRL1	1	20	17	15.00	
WW-19	10/03/85	CTRL1	1	20	18	10.00	
WW-19	10/03/85	CTRL1	1	20	15	25.00	
WW-20	10/03/85	CTRL1	1	20	16	20.00	
WW-20	10/03/85	CTRL1	1	20	15	25.00	
WW-20	10/03/85	CTRL1	1	20	18	10.00	
WW-20	10/03/85	CTRL1	1	20	10	50.00	
WW-20	10/03/85	CTRL1	1	20	19	5.00	

**APPENDIX E-2**  
**ABUNDANCES OF MAJOR TAXA OF BENTHIC INFAUNA**

## APPENDIX E-2. ABUNDANCES OF MAJOR TAXA OF BENTHIC FAUNA

Abundances of major taxa of benthic infauna in samples collected during the Elliott Bay Action Program are presented in Table E-2.1 and in the figures following the text. The text below discusses infaunal abundance in each study area.

### MAGNOLIA

A total of 13 significant differences were detected among the four stations in the Magnolia segment. Enhanced abundances were indicated at Station MG3 for pelecypods, at Stations MG1-MG4 for gastropods and crustaceans, and at Stations MG1, MG3, and MG4 for total infaunal abundance. Polychaete abundance at Station MG4 was the only significantly depressed value within this segment. Polychaete abundances were low at all stations within in this segment, but low variability among the replicate samples at Station MG4 apparently resulted in the finding of a significant depression between Station MG4 and the reference area. High abundances of ostracod crustaceans were responsible for the significant enhancements of crustaceans, and along with gastropod abundances, were responsible for enhanced total infaunal abundances at these stations (see attached figures).

The benthic community within the Magnolia segment appears to be very different from that in Port Susan especially when relative abundances of the major taxa are considered. In Port Susan, polychaetes represented approximately 33 percent of the benthic infaunal abundance, pelecypods represented approximately 40 percent of the fauna, crustaceans represented about 24 percent of the fauna, and gastropods represented roughly 3 percent of the fauna. In contrast, polychaetes represented only about 6 percent of the fauna, gastropods represented 14 percent of the fauna and crustaceans represented 42 percent of the fauna at stations along Magnolia. These differences do not, however, indicate that the area is stressed due to anthropogenic influences. As will be discussed below, crustaceans are sensitive to contaminants and environmental stress (Reish and Barnard 1979; Swartz et al. 1985). They generally exhibit lower abundances in stressed areas, not enhanced abundances as was apparent in this segment. Considering that the two areas are exposed to very different wave regimes (i.e., Port Susan stations are in a protected bay and Magnolia stations are on an exposed beach), it is not surprising that the benthic communities differ.

### SEATTLE WATERFRONT NORTH

A total of eight significant differences from reference conditions were detected among the six stations along the Seattle Waterfront North. Abundances were enhanced in three comparisons and significantly depressed in five comparisons. Enhanced crustacean and gastropod abundances were found at Station NS3 (see Figures 58 and 60). Ostracod crustaceans were very abundant at station NS3 ( $2,294/m^2$ ), and contributed to the enhanced abundances of crustaceans. Polychaete abundances were enhanced at Station NS6 (see Figure 57). Significantly depressed abundances were found for

TABLE E-2.1. ABUNDANCES OF MAJOR TAXA OF BENTHIC INFAUNA

Station	Rep	Total						Other		Total
		Polychaetes	Pelecypods	Gastropods	Crustaceans	Amphipods	Crustaceans	Echinoderms	Misc Taxa	
PS-01	V1	395	99	34	239	203	36	0	3	770
PS-01	V2	215	133	27	205	156	49	0	1	581
PS-01	V3	61	112	21	148	135	13	0	0	342
PS-01	V4	74	117	30	129	106	23	0	0	350
PS-01	V5	139	175	23	197	146	51	0	2	536
PS-02	V1	207	311	9	89	28	61	0	1	617
PS-02	V2	419	343	8	83	31	52	0	2	855
PS-02	V3	307	297	4	66	5	61	0	6	680
PS-02	V4	265	292	7	65	23	42	0	3	632
PS-02	V5	361	346	13	102	36	66	0	10	832
PS-03	V1	140	266	13	117	8	109	1	8	545
PS-03	V2	86	230	12	88	7	81	0	2	418
PS-03	V3	108	249	3	66	4	62	0	9	435
PS-03	V4	144	286	21	100	2	98	0	5	556
PS-03	V5	124	312	1	127	5	122	0	2	566
PS-04	V1	144	289	8	194	11	183	0	0	635
PS-04	V2	57	225	6	155	7	148	0	0	443
PS-04	V3	168	282	19	193	10	183	0	5	667
PS-04	V4	208	131	10	158	7	151	0	16	523
PS-04	V5	293	119	24	178	12	166	0	0	615
AB-01	V1	282	261	29	383	54	329	0	3	958
AB-01	V2	453	227	52	135	1	134	3	3	873
AB-01	V3	560	329	28	50	4	46	0	3	970
AB-01	V4	403	68	19	116	23	93	2	1	609
AB-01	V5	357	214	68	167	34	133	0	1	807
AB-02	V1	193	182	56	640	90	550	2	2	1075
AB-02	V2	159	509	76	497	35	462	0	3	1244
AB-02	V3	387	377	80	517	69	448	0	3	1364
AB-02	V4	284	385	28	458	33	425	1	0	1156
AB-02	V5	163	397	65	570	36	534	0	1	1196
AB-03	V1	83	353	39	483	104	379	0	8	966
AB-03	V2	43	265	21	352	119	233	0	5	686
AB-03	V3	69	302	60	542	133	409	0	8	981
AB-03	V4	54	312	30	379	118	261	0	4	779
AB-03	V5	23	229	41	409	74	335	0	6	708
AB-04	V1	129	242	20	510	129	381	0	0	901
AB-04	V2	58	298	2	434	73	361	1	0	793
AB-04	V3	73	301	9	550	115	435	0	1	934
AB-04	V4	194	350	79	770	127	643	1	3	1397
AB-04	V5	38	231	5	369	63	306	0	1	644
EW-02	V1	581	87	11	38	7	31	0	0	717
EW-02	V2	798	105	1	22	4	18	0	0	926
EW-02	V3	1127	132	3	80	13	67	0	0	1342
EW-02	V4	818	89	1	51	16	35	0	0	959
EW-02	V5	594	173	2	29	5	24	0	0	798

TABLE E-2.1. (CONTINUED)

		Station	Rep	Total				Other		Total
				Polychaetes	Pelecypods	Gastropods	Crustaceans	Amphipods	Crustaceans	
EW-03	V1	1159	179	7	121	3	118	0	0	1466
EW-03	V2	1101	151	4	123	3	120	0	1	1380
EW-03	V3	991	221	9	180	2	178	0	2	1403
EW-03	V4	1344	136	10	104	2	102	0	1	1595
EW-03	V5	469	163	5	159	17	142	0	2	798
EW-04	V1	1543	184	0	251	17	234	0	1	1979
EW-04	V2	632	67	1	80	0	80	0	0	780
EW-04	V3	1545	104	10	149	6	143	0	1	1809
EW-04	V4	1764	162	5	198	6	192	0	0	2129
EW-04	V5	1407	104	16	215	16	199	0	0	1742
EW-05	V1	47	4	0	0	0	0	0	0	51
EW-05	V2	93	15	1	2	1	1	0	0	111
EW-05	V3	76	4	0	3	0	3	0	0	83
EW-05	V4	153	2	0	5	2	3	0	0	160
EW-05	V5	98	4	6	3	1	2	0	0	111
EW-06	V1	1104	195	51	16	1	15	1	0	1367
EW-06	V2	404	120	8	10	4	6	0	0	542
EW-06	V3	1082	147	5	14	2	12	0	0	1248
EW-06	V4	1275	261	37	27	6	21	0	0	1600
EW-06	V5	739	125	32	27	1	26	0	0	923
EW-07	V1	426	31	15	80	1	79	0	2	554
EW-07	V2	1174	19	29	51	17	34	0	3	1276
EW-07	V3	376	17	1	14	2	12	0	2	410
EW-07	V4	1103	25	40	8	1	7	0	1	1177
EW-07	V5	0	2	0	7	0	7	0	1	10
EW-08	V1	720	181	3	63	1	62	0	1	968
EW-08	V2	219	273	12	72	2	70	0	1	577
EW-08	V3	223	271	1	53	0	53	0	0	548
EW-08	V4	606	391	1	107	2	105	1	1	1107
EW-08	V5	468	199	16	73	3	70	0	0	756
EW-09	V1	1803	128	30	107	1	106	0	0	2068
EW-09	V2	1342	132	27	96	2	94	0	0	1597
EW-09	V3	1008	84	15	58	2	56	0	0	1165
EW-09	V4	2267	103	2	74	1	73	0	0	2446
EW-09	V5	380	54	5	22	1	21	0	1	462
EW-10	V1	607	919	17	98	0	98	0	0	1641
EW-10	V2	741	635	14	189	7	182	0	0	1579
EW-10	V3	1068	435	11	180	13	167	1	1	1696
EW-10	V4	624	601	13	159	4	155	0	1	1398
EW-10	V5	430	625	10	192	5	187	1	0	1258
EW-11	V1	2149	178	27	35	1	34	0	0	2389
EW-11	V2	2441	63	49	95	76	19	1	21	2670
EW-11	V3	1692	86	22	28	7	21	0	1	1829
EW-11	V4	1272	150	28	19	0	19	0	1	1470
EW-11	V5	1318	151	24	70	0	70	0	1	1564
EW-12	V1	724	260	145	166	35	131	0	0	1295

TABLE E-2.1. (CONTINUED)

Station	Rep	Total						Other		Total
		Polychaetes	Pelecypods	Gastropods	Crustaceans	Amphipods	Crustaceans	Echinoderms	Misc Taxa	
EW-12	V2	539	175	3	67	11	56	0	0	784
EW-12	V3	686	252	28	197	27	170	1	2	1166
EW-12	V4	630	228	88	115	18	97	0	3	1064
EW-12	V5	700	230	45	121	11	110	0	2	1098
EW-13	V1	156	547	5	73	3	70	1	5	787
EW-13	V2	182	946	6	194	0	194	1	6	1335
EW-13	V3	74	435	6	111	0	111	1	3	630
EW-13	V4	157	734	0	151	1	150	0	2	1044
EW-13	V5	377	33	1	17	4	13	0	2	430
EW-14	V1	416	181	102	243	4	239	0	0	942
EW-14	V2	929	156	170	149	14	135	1	22	1427
EW-14	V3	233	411	40	460	8	452	1	1	1146
EW-14	V4	332	332	19	424	8	416	1	3	1111
EW-14	V5	392	316	53	230	8	222	0	2	993
EW-15	V1	694	73	31	65	8	57	0	0	863
EW-15	V2	410	32	5	72	1	71	1	1	521
EW-15	V3	766	39	2	48	2	46	0	1	856
EW-15	V4	653	42	3	433	7	426	0	4	1135
EW-15	V5	192	699	0	175	2	173	2	3	1071
EW-16	V1	252	213	5	141	16	125	0	5	616
EW-16	V2	382	382	0	293	17	276	0	8	1065
EW-16	V3	359	159	0	136	14	122	0	7	661
EW-16	V4	221	137	0	119	14	105	1	10	488
EW-16	V5	178	309	0	173	20	153	2	8	670
KG-01	V1	1224	100	6	14	6	8	0	1	1345
KG-01	V2	779	48	3	12	4	8	0	1	843
KG-01	V3	1621	60	9	5	2	3	0	0	1695
KG-01	V4	1230	54	3	10	1	9	0	0	1297
KG-01	V5	838	71	5	10	4	6	0	0	924
KG-03	V1	932	114	7	62	9	53	0	0	1115
KG-03	V2	2214	209	2	198	22	176	0	2	2625
KG-03	V3	871	88	2	54	8	46	1	0	1016
KG-03	V4	1864	93	1	83	16	67	0	0	2041
KG-03	V5	992	125	2	108	21	87	0	3	1230
KG-05	V1	25	0	0	1	0	1	0	0	1359
KG-05	V2	155	0	0	7	1	6	0	0	569
KG-05	V3	3	0	0	1	1	0	0	0	172
KG-05	V4	173	0	0	1	0	1	0	0	105
KG-05	V5	318	0	0	0	0	0	0	0	351
KG-06	V1	707	25	1	53	18	35	0	0	786
KG-06	V2	104	4	0	26	5	21	0	0	134
KG-06	V3	298	11	0	25	13	12	0	0	334
KG-06	V4	218	16	0	47	29	18	0	1	282
KG-06	V5	211	11	0	36	17	19	0	0	258
KG-07	V1	286	0	0	156	152	4	0	0	442
KG-07	V2	578	1	1	371	360	11	0	0	951

TABLE E-2.1. (CONTINUED)

Station	Rep	Polychaetes	Pelecypods	Gastropods	Crustaceans	Amphipods	Other		Total	
							Total	Misc Taxa		
KG-07	V3	3359	64	5	2152	834	1318	0	1028	6608
KG-07	V4	2128	56	36	588	161	427	0	52	2860
KG-07	V5	1125	53	1	267	21	246	0	216	1662
KG-08	V1	1038	97	4	260	18	242	5	0	1404
KG-08	V2	382	23	1	171	5	166	0	2	579
KG-08	V3	450	47	0	273	18	255	0	0	770
KG-08	V4	498	54	0	252	4	248	0	1	805
KG-08	V5	777	34	2	176	6	170	1	0	990
KG-09	V1	1421	201	14	364	169	195	0	28	2028
KG-09	V2	1155	219	0	342	102	240	0	110	1826
KG-09	V3	1660	290	39	700	320	380	0	106	2795
KG-09	V4	1142	237	10	445	148	297	0	129	1963
KG-09	V5	1227	277	6	396	179	217	0	11	1917
KG-11	V1	1073	62	5	773	430	343	5	9	1927
KG-11	V2	563	74	1	434	184	250	2	4	1078
KG-11	V3	2671	42	0	618	179	439	1	16	3348
KG-11	V4	1251	97	11	1024	372	652	0	2	2385
KG-11	V5	1671	63	2	1098	279	819	7	223	3064
MG-01	V1	66	370	401	420	41	379	0	1	1258
MG-01	V2	69	314	365	352	27	325	0	0	1100
MG-01	V3	34	288	266	421	37	384	0	0	1009
MG-01	V4	49	266	193	541	74	467	0	0	1049
MG-01	V5	109	361	403	488	52	436	0	3	1364
MG-02	V1	42	292	39	322	36	286	0	0	695
MG-02	V2	113	478	140	498	72	426	0	4	1233
MG-02	V3	40	281	50	219	34	185	0	0	590
MG-02	V4	57	333	81	538	64	474	0	3	1012
MG-02	V5	85	355	72	445	54	391	0	2	959
MG-03	V1	47	323	88	262	36	226	0	0	720
MG-03	V2	44	427	47	387	62	325	0	1	906
MG-03	V3	111	619	116	494	91	403	0	1	1341
MG-03	V4	62	469	129	513	81	432	0	0	1173
MG-03	V5	77	524	114	624	72	552	0	0	1339
MG-04	V1	102	593	136	601	117	484	1	3	1436
MG-04	V2	60	601	117	570	73	497	0	1	1349
MG-04	V3	36	507	107	411	36	375	0	0	1061
MG-04	V4	29	318	162	258	53	205	0	0	767
MG-04	V5	40	174	80	452	69	383	0	0	746
NH-01	V1	277	25	5	114	3	111	1	0	422
NH-01	V2	310	14	1	228	4	224	0	1	554
NH-01	V3	497	37	5	361	10	351	0	5	905
NH-01	V4	201	20	12	84	2	82	0	2	319
NH-01	V5	268	18	2	129	5	124	0	4	421
NH-02	V1	392	14	62	83	16	67	1	46	598
NH-02	V2	289	17	31	88	14	74	0	7	432
NH-02	V3	298	27	23	103	27	76	0	10	461

TABLE E-2.1. (CONTINUED)

Station	Rep	Polychaetes	Pelecypods	Gastropods	Crustaceans	Amphipods	Total		Other		Total
							Crustaceans	Echinoderms	Misc Taxa		
NH-02	V4	435	39	41	206	27	179	1	88	810	
NH-02	V5	456	14	29	58	4	54	4	95	656	
NH-03	V1	12	1	0	2	1	1	0	0	15	
NH-03	V2	51	4	1	7	5	2	0	2	65	
NH-03	V3	38	2	0	1	1	0	0	0	41	
NH-03	V4	23	0	0	2	2	0	0	0	25	
NH-03	V5	14	0	0	1	0	1	0	0	15	
NH-04	V1	1277	9	1	33	12	21	0	3	1323	
NH-04	V2	826	4	1	22	19	3	0	0	853	
NH-04	V3	753	12	11	22	7	15	0	0	798	
NH-04	V4	426	2	0	14	6	8	0	0	442	
NH-04	V5	1043	3	17	7	1	6	0	5	1075	
NH-05	V1	838	41	56	41	12	29	0	10	986	
NH-05	V2	1085	28	68	54	35	19	0	16	1251	
NH-05	V3	1226	64	2	45	17	28	0	6	1343	
NH-05	V4	1063	47	5	38	22	16	1	5	1159	
NH-05	V5	1069	43	4	85	21	64	0	12	1213	
NH-06	V1	588	188	97	84	34	50	0	18	975	
NH-06	V2	372	91	39	50	21	29	1	96	649	
NH-06	V3	752	275	95	80	17	63	0	20	1222	
NH-06	V4	639	109	11	8	2	6	0	18	785	
NH-06	V5	1123	35	17	32	11	21	0	84	1291	
NH-08	V1	748	64	84	26	3	23	0	0	922	
NH-08	V2	581	47	21	14	0	14	0	6	669	
NH-08	V3	122	11	4	6	0	6	0	2	145	
NH-08	V4	243	19	23	14	0	14	0	0	299	
NH-08	V5	359	43	9	17	0	17	0	0	428	
NH-09	V1	426	87	458	169	45	124	2	11	1153	
NH-09	V2	234	54	23	126	14	112	7	1	445	
NH-09	V3	668	203	237	573	116	457	4	24	1709	
NH-09	V4	630	156	125	503	65	438	1	19	1434	
NH-09	V5	590	134	67	463	90	373	0	9	1263	
NH-11	V1	93	164	9	179	12	167	0	0	445	
NH-11	V2	55	278	7	167	12	155	1	0	508	
NH-11	V3	83	212	14	164	11	153	1	4	478	
NH-11	V4	90	216	4	144	9	135	0	4	458	
NH-11	V5	107	215	4	191	12	179	1	3	521	
NS-02	V1	237	150	7	99	67	32	0	1	494	
NS-02	V2	166	116	66	63	25	38	0	0	411	
NS-02	V3	222	55	10	47	40	7	0	0	334	
NS-02	V4	276	116	21	90	76	14	0	1	504	
NS-02	V5	301	268	167	255	36	219	0	2	993	
NS-03	V1	125	296	52	280	4	276	0	0	753	
NS-03	V2	137	291	40	221	12	209	0	0	689	
NS-03	V3	170	365	138	361	15	346	0	0	1034	
NS-03	V4	173	455	38	202	5	197	1	2	871	

TABLE E-2.1. (CONTINUED)

Station	Rep	Total						Other		Total
		Polychaetes	Pelecypods	Gastropods	Crustaceans	Amphipods	Crustaceans	Echinoderms	Misc Taxa	
NS-03	V5	134	421	30	295	6	289	0	0	880
NS-05	V1	183	370	30	140	6	134	0	2	725
NS-05	V2	189	466	11	161	6	155	1	0	828
NS-05	V3	181	242	0	94	5	89	0	4	521
NS-05	V4	62	403	13	126	3	123	0	1	605
NS-05	V5	1149	326	13	115	4	111	0	0	1603
NS-06	V1	933	39	26	59	13	46	1	11	1069
NS-06	V2	420	18	5	25	6	19	0	0	468
NS-06	V3	709	82	7	35	13	22	0	7	840
NS-06	V4	584	45	28	47	23	24	0	0	704
NS-06	V5	213	30	2	32	4	28	0	0	277
NS-07	V1	132	181	29	124	7	117	0	1	467
NS-07	V2	216	375	2	292	15	277	0	1	886
NS-07	V3	94	231	55	143	16	127	0	1	524
NS-07	V4	228	425	51	402	38	364	3	4	1113
NS-07	V5	383	475	175	405	27	378	0	3	1441
NS-08	V1	103	20	6	10	4	6	0	106	245
NS-08	V2	75	15	4	9	6	3	0	82	185
NS-08	V3	106	12	8	7	2	5	0	167	300
NS-08	V4	388	21	7	16	8	8	1	62	495
NS-08	V5	64	32	16	2	1	1	0	47	161
SS-01	V1	210	79	5	130	35	95	1	0	425
SS-01	V2	60	60	7	103	26	77	0	0	230
SS-01	V3	192	163	9	322	49	273	7	15	708
SS-01	V4	252	188	3	235	42	193	0	4	681
SS-01	V5	72	121	1	149	28	121	4	0	347
SS-03	V1	1298	37	41	75	10	65	1	0	1452
SS-03	V2	1004	140	22	1311	12	1299	2	3	2482
SS-03	V3	532	40	43	307	6	301	0	0	922
SS-03	V4	425	9	4	15	2	13	0	0	453
SS-03	V5	319	44	22	106	7	99	1	1	493
SS-04	V1	248	17	1	25	10	15	0	0	291
SS-04	V2	440	76	59	2370	0	2370	1	0	2946
SS-04	V3	226	16	3	27	13	14	0	0	272
SS-04	V4	247	58	12	607	13	594	0	0	924
SS-04	V5	478	60	28	500	10	490	0	2	1068
SS-05	V1	609	481	24	302	17	285	1	3	1420
SS-05	V2	299	185	13	367	5	362	0	3	867
SS-05	V3	194	408	2	330	12	318	0	0	934
SS-05	V4	189	416	24	765	12	753	1	3	1398
SS-05	V5	223	338	44	535	14	521	0	1	1141
SS-06	V1	383	56	27	294	100	194	0	0	760
SS-06	V2	288	33	1	206	36	170	0	0	528
SS-06	V3	278	25	3	122	24	98	0	0	428
SS-06	V4	145	5	0	9	3	6	0	16	175
SS-06	V5	468	69	34	116	36	80	0	7	694

TABLE E-2.1. (CONTINUED)

Station	Rep	Total						Other		Total
		Polychaetes	Pelecypods	Gastropods	Crustaceans	Amphipods	Crustaceans	Echinoderms	Misc Taxa	
SS-07	V1	227	103	2	41	10	31	0	0	373
SS-07	V2	83	229	3	16	7	9	0	0	331
SS-07	V3	368	340	19	155	5	150	0	0	882
SS-07	V4	273	148	6	69	21	48	0	3	499
SS-07	V5	330	298	55	417	11	406	1	1	1102
SS-08	V1	305	36	44	119	76	43	0	363	867
SS-08	V2	151	37	28	83	65	18	0	1	300
SS-08	V3	136	127	13	695	68	627	0	0	971
SS-08	V4	306	74	90	118	44	74	1	0	589
SS-08	V5	305	84	17	76	44	32	1	2	485
SS-09	V1	266	31	8	16	9	7	0	38	359
SS-09	V2	237	34	2	34	10	24	0	0	307
SS-09	V3	156	16	1	12	3	9	0	1	186
SS-09	V4	373	57	29	27	3	24	0	82	568
SS-09	V5	366	51	4	42	15	27	0	0	463
SS-10	V1	487	111	29	681	81	600	0	0	1308
SS-10	V2	400	175	75	269	60	209	1	0	920
SS-10	V3	681	169	33	335	92	243	0	3	1221
SS-10	V4	288	62	13	110	40	70	0	0	473
SS-10	V5	468	120	11	167	34	133	0	0	766
SS-11	V1	288	190	36	191	72	119	0	1	706
SS-11	V2	190	77	10	88	44	44	0	1	366
SS-11	V3	221	137	135	215	71	144	0	8	716
SS-11	V4	174	256	7	478	83	395	0	0	915
SS-11	V5	243	111	16	174	50	124	0	0	544
SS-12	V1	553	169	63	278	3	275	0	0	1063
SS-12	V2	564	215	57	164	2	162	0	0	1000
SS-12	V3	665	242	54	169	12	157	0	5	1135
SS-12	V4	519	152	48	135	6	129	1	5	860
SS-12	V5	661	182	45	408	15	393	3	8	1307
WW-01	V1	2104	38	3	212	84	128	1	2	2360
WW-01	V2	2244	46	10	248	79	169	0	4	2552
WW-01	V3	1318	32	7	151	35	116	0	9	1517
WW-01	V4	2844	32	17	203	85	118	0	3	3099
WW-01	V5	2140	20	2	163	70	93	1	1	2327
WW-03	V1	53	13	0	4	4	0	0	1	71
WW-03	V2	7	5	0	1	1	0	0	1	14
WW-03	V3	29	5	0	9	4	5	1	1	45
WW-03	V4	53	8	0	4	2	2	0	0	65
WW-03	V5	36	10	2	9	3	6	0	0	57
WW-04	V1	227	98	49	2412	522	1890	1	154	2941
WW-04	V2	231	22	5	1540	375	1165	0	75	1873
WW-04	V3	229	139	40	3492	677	2815	0	169	4069
WW-04	V4	141	163	38	876	125	751	0	21	1239
WW-04	V5	259	120	57	1411	333	1078	0	4	1851
WW-05	V1	216	21	2	72	12	60	0	0	311

TABLE E-2.1. (CONTINUED)

Station	Rep	Polychaetes	Pelecypods	Gastropods	Crustaceans	Total		Other		Total
						Amphipods	Crustaceans	Echinoderms	Misc Taxa	
WW-05	V2	223	26	2	94	23	71	0	2	347
WW-05	V3	201	48	42	190	50	140	1	0	482
WW-05	V4	214	21	17	193	74	119	1	2	448
WW-05	V5	161	14	5	147	26	121	1	1	329
WW-06	V1	1029	16	31	151	24	127	0	1	1228
WW-06	V2	655	15	3	120	27	93	1	6	800
WW-06	V3	449	16	49	185	16	169	0	3	702
WW-06	V4	661	23	1	105	17	88	0	3	793
WW-06	V5	373	19	1	66	8	58	0	0	459
WW-08	V1	752	47	2	59	10	49	0	0	860
WW-08	V2	464	32	20	90	21	69	0	1	607
WW-08	V3	455	17	6	29	11	18	0	3	510
WW-08	V4	541	23	0	53	13	40	0	0	617
WW-08	V5	215	15	0	46	18	28	0	0	276
WW-09	V1	603	21	11	54	26	28	0	2	691
WW-09	V2	486	39	0	231	93	138	0	2	758
WW-09	V3	693	48	65	372	101	271	2	3	1183
WW-09	V4	459	30	8	196	62	134	1	3	697
WW-09	V5	370	30	17	55	10	45	0	1	473
WW-10	V1	103	285	3	34	23	11	0	6	431
WW-10	V2	68	326	0	19	10	9	0	5	418
WW-10	V3	95	336	3	27	9	18	0	3	464
WW-10	V4	99	169	9	21	9	12	0	3	301
WW-10	V5	106	265	3	14	3	11	0	2	390
WW-11	V1	762	17	57	1065	137	928	3	1	1905
WW-11	V2	784	16	15	710	82	628	2	0	1527
WW-11	V3	794	30	3	1200	182	1018	2	57	2086
WW-11	V4	755	22	65	419	123	296	0	6	1267
WW-11	V5	716	28	81	415	96	319	0	1	1241
WW-12	V1	612	114	41	21	5	16	0	1	789
WW-12	V2	602	38	3	31	8	23	1	6	681
WW-12	V3	658	135	12	40	14	26	0	1	846
WW-12	V4	496	78	12	8	4	4	0	1	595
WW-12	V5	523	133	2	28	16	12	0	1	687
WW-13	V1	245	40	18	40	10	30	0	1	344
WW-13	V2	359	230	3	97	25	72	0	0	689
WW-13	V3	405	125	4	102	16	86	0	9	645
WW-13	V4	384	111	2	74	14	60	0	0	571
WW-13	V5	269	91	3	44	11	33	0	1	408
WW-14	V1	1784	54	12	113	99	14	0	1	1964
WW-14	V2	2427	44	3	158	117	41	0	14	2646
WW-14	V3	2052	76	8	87	52	35	0	12	2235
WW-14	V4	1973	38	3	49	43	6	0	5	2068
WW-14	V5	2165	52	5	59	33	26	0	4	2285
WW-16	V1	73	216	0	9	6	3	0	21	319
WW-16	V2	123	121	0	13	9	4	0	5	262

TABLE E-2.1. (CONTINUED)

Station	Rep	Total						Other		Total
		Polychaetes	Pelecypods	Gastropods	Crustaceans	Amphipods	Crustaceans	Echinoderms	Misc Taxa	
WW-16	V3	102	75	6	12	9	3	0	9	204
WW-16	V4	54	30	4	14	10	4	0	4	106
WW-16	V5	79	84	6	12	9	3	0	18	199
WW-17	V1	190	90	9	390	93	297	0	70	749
WW-17	V2	315	55	31	25	12	13	0	11	437
WW-17	V3	217	88	4	72	27	45	0	2	383
WW-17	V4	358	42	5	31	10	21	0	4	440
WW-17	V5	272	99	16	20	8	12	0	4	411
WW-18	V1	575	26	35	138	95	43	0	15	789
WW-18	V2	589	24	18	225	141	84	0	5	861
WW-18	V3	256	26	3	91	62	29	0	7	383
WW-18	V4	334	33	27	57	22	35	0	4	455
WW-18	V5	343	28	5	157	127	30	1	10	544
WW-19	V1	144	12	2	50	31	19	0	0	208
WW-19	V2	455	22	7	77	11	66	0	3	564
WW-19	V3	183	5	6	33	25	8	0	0	227
WW-19	V4	195	19	32	15	11	4	0	0	261
WW-19	V5	175	20	25	58	30	28	0	1	279
WW-20	V1	1481	14	1	19	5	14	0	15	1530
WW-20	V2	87	36	2	21	11	10	0	12	158
WW-20	V3	313	65	1	36	23	13	1	10	426
WW-20	V4	1218	24	0	13	8	5	1	18	1274
WW-20	V5	548	79	6	34	17	17	0	8	675.

crustaceans and pelecypods at Stations NS6 and NS8 (see Figures 58 and 59). Total infaunal abundance, reflecting the depressed abundances of these two major taxa, was also depressed at Station NS8. The enhanced polychaete abundances at Station NS6 largely compensated for depressed abundances of crustaceans and pelecypods that occurred at this station, no significant difference was detected for total infauna.

Benthic assemblages along the Seattle Waterfront North appear to have been fairly similar to those of Port Susan, except for Stations NS6 and NS8. Excluding Stations NS6 and NS8, average relative abundances of polychaetes, crustaceans, and pelecypods (36, 24.5, and 37.3 percent, respectively) were very similar to those at the Port Susan stations (33, 24, and 40 percent, respectively). At Stations NS6 and NS8, relative abundances of major taxa were very different from those in Port Susan. Polychaetes represented 85 and 53 percent of the fauna, crustaceans represented 5.9 and 3.1 percent of the fauna, and pelecypods represented 6.4 and 7.2 percent of the fauna, respectively. At Station NS8, the miscellaneous taxa, consisting mostly of nematodes, represent 33.7 percent of the fauna. These large differences in relative abundance, along with the significant differences found at Stations NS6 and NS8, strongly indicate that these two stations are stressed.

#### SEATTLE WATERFRONT SOUTH

A total of 10 significant differences were detected among the 11 stations along the Seattle Waterfront South. Enhanced abundances were detected in six comparisons and depressed abundances were detected in four comparisons. Enhanced abundances were detected at Station SS12 for polychaetes and gastropods, at Station SS3 for polychaetes, and at Station SS5 for crustaceans. Although, total abundances were high at many stations, they were significantly enhanced only at Stations SS5 and SS12. Significantly depressed abundances were detected for crustaceans at Station SS9 and for pelecypods at Stations SS4, SS8, and SS9. No significant depressions were detected for polychaetes, gastropods, or total abundances among the South Shore stations.

The highest relative abundance of polychaetes (74 percent) and the lowest relative abundance of crustaceans (6.9 percent) were found at Station SS9 within this segment. Relatively high abundances of miscellaneous taxa ( $732/m^2$ ), primarily oligochaetes ( $644/m^2$ ), occurred at Station SS8. At Station SS4, crustaceans, dominated by tanaids ( $6,538/m^2$ ), represented 64 percent of the fauna and pelecypods represented only 4 percent of the fauna. Among all stations in this segment, relative abundances of polychaetes and crustaceans were somewhat higher (by 39 and 35 percent, respectively), and relative abundances of pelecypods were much lower (by 58 percent less) than in Port Susan. The general shift from molluscs to polychaetes suggests that most stations along this segment are being minimally impacted by contaminants. It also suggests that some organic enrichment is occurring.

## NORTH HARBOR ISLAND

Among the nine stations in the North Harbor Island segment, statistical comparisons detected 8 enhanced abundances and 13 detected depressed abundances. Enhanced abundances were detected at Stations NH4, NH5, NH6, and NH9 for polychaetes, and at Station NH9 for crustaceans and gastropods. Total abundances were enhanced at Stations NH5 and NH6, reflecting the high abundances of polychaetes at these stations (see Figures 57-61).

Significantly lower abundances of polychaetes, crustaceans, pelecypods, gastropods, and the total fauna were detected at Station NH3. This station exhibited the lowest total abundance ( $322/m^2$ ) of all the stations sampled in the Elliott Bay survey. In addition to Station NH3, crustaceans were depressed at Stations NH4, NH5, and NH8 and pelecypods were depressed at Stations NH1, NH2, NH4, NH5, and NH8. Total abundances were depressed only at Station NH3 due to the generally high abundances of the polychaetes at the other stations.

The structure of the benthic communities along the North Harbor Island segment, as estimated by absolute and relative abundances of the major taxa, were very different from those of Port Susan. The relative abundances of polychaetes at Stations NH1-NH9 ranged from 42-96 percent of the total fauna, while at Station NH11 polychaetes only represented 18 percent of the fauna. Compared with the polychaetes, pelecypods exhibited the inverse pattern of relative abundance. Relative abundances ranged from 0.7-14 percent at Stations NH1-NH9, while at Station NH11 pelecypods represented 45 percent of the fauna. Crustaceans exhibited similar relative abundance patterns to the pelecypods, averaging 13.3 percent among Stations NH1-NH9. Crustaceans at Station NH11 represented 35 percent of the total fauna. Thus, Station NH11 was the least stressed station within the North Harbor segment and Stations NH2-NH8 were the most stressed.

## EAST WATERWAY

Twenty-eight significant differences were detected among the 15 East Waterway stations. Abundances were enhanced in 19 comparisons and depressed in 9 comparisons. Polychaete abundances were significantly enhanced at 8 of the 15 benthic stations (i.e., Stations EW2, EW3, EW4, EW6, EW9, EW10, EW11, and EW12) (see Figure 57). Although polychaete abundance at Station EW5 was low compared with the other East Waterway stations, no significant difference was apparent. Crustaceans and gastropods exhibited enhanced abundances at Station EW14 and pelecypods were enhanced at Station EW10. Total infaunal abundances, driven mainly by polychaete abundances, exhibited enhanced abundances at Stations EW2, EW3, EW4, EW6, EW10, EW11, EW12, and EW14 (see Figures 57-61).

Significantly depressed abundances were detected at Station EW5 for pelecypods, gastropods, crustaceans, and total infauna. Significantly depressed abundances also occurred at Station EW9 for pelecypods and at Station EW16 for gastropods. In addition to Station EW5, the crustaceans exhibited depressed abundances at Stations EW2, EW6, and EW11 (Figure 58).

Relative abundances of the major taxonomic groups in East Waterway were very different from those in Port Susan. Relative abundances of polychaetes

were approximately twice as high as those in Port Susan, whereas those for crustaceans, pelecypods, and gastropods were about 57, 46, and 35 percent lower than their respective relative abundances of those major taxa in Port Susan. This general enhancement of polychaete abundances relative to other major taxonomic groups is typical of an area stressed by organic materials of anthropogenic origin.

#### WEST WATERWAY

Within the West Waterway, a total of 40 significant differences were detected among the 17 benthic stations. Enhanced abundances were found in 12 comparisons and depressed abundances were detected in 28 comparisons. Enhanced polychaete abundances were detected at Stations WW1, WW6, WW9, WW11, WW12, and WW14 (see Figure 57). Crustacean abundances were enhanced at Stations WW4 and WW11, where abundances of tanaids were extremely high ( $13,884/m^2$  and  $6,284/m^2$ , respectively). Neither pelecypods nor gastropods exhibited any significant enhancements within any of the West Waterway stations. Total infaunal abundance reflected the abundances of both the polychaetes and the crustaceans, and were significantly enhanced at Stations WW1, WW4, WW11, and WW14 (see Figure 61).

Polychaete abundances at most stations in this segment were enhanced, although Stations WW3 and WW10 exhibited significantly depressed abundances compared with Port Susan data. Station WW3 had the lowest polychaete abundance ( $356/m^2$ ) among all stations in the segment. Abundances of crustaceans were high at Stations WW4 and WW11, but were significantly depressed at Stations WW3, WW8, WW10, WW12, WW16, WW19, and WW20. Pelecypod abundances were depressed at 14 of the 17 benthic stations in the west waterway (see Figure 59). Only Stations WW4, WW10, and WW13 did not exhibit significant depressions in pelecypod abundances when compared with Port Susan. Gastropod abundances were depressed at Stations WW3 and WW20, and total infaunal abundances were depressed at Stations WW3, WW16, and WW19. Depressions in total infaunal abundance did not appear to be caused by a particular major taxonomic group, as was the case within many other segments.

As in the Easy Waterway, polychaetes at West Waterway stations generally represented higher proportions of the total abundance than among Port Susan stations, ranging from about 40 to 93 percent of the fauna. (Exceptions were Stations WW4 and WW10.) For example, relative abundance of polychaetes at Station WW3, was 71 percent of the total fauna, despite the finding of significantly reduced abundances at that station. Relative abundances of crustaceans varied considerably among the stations, ranging from 3.1 to 81.3 percent of the total fauna. Stations WW4 and WW11 exhibited the highest relative abundances (81.3 and 47.4 percent, respectively) among the stations due mainly to high abundances of tanaids. The remaining stations exhibited lower relative abundances of crustaceans of which averaged about 13.3 percent of the fauna (i.e., about half the proportion typical of Port Susan). Relative abundances of pelecypods were roughly 66 percent lower among the West Waterway stations than in Port Susan (see Figure 59). Significant depressions in crustacean and pelecypod abundances, and the high dominance of polychaetes at most stations in the West Waterway is evidence that the area is highly stressed.

## KELLOGG ISLAND

Twenty-four significant differences were detected among the eight Kellogg Island stations. Abundances were enhanced in 12 comparisons and depressed in 12 comparisons. Abundances of polychaetes were enhanced at Stations KG1, KG3, KG7, KG8, KG9, and KG11, and abundances of crustaceans were enhanced at Stations KG9 and KG11. Total infaunal abundances again reflected the abundances of polychaetes, having been enhanced at Stations KG1, KG3, KG9, and KG11. Miscellaneous taxa (mainly oligochaetes) were very abundant at Station KG5, where they represented 79 percent of the fauna. Station KG7 exhibited high mean total abundance, but the high degree of variability among the replicate samples precluded detection of a significant difference. In contrast to the polychaetes, significantly depressed abundances of pelecypods, gastropods, and crustaceans were detected at Stations KG1, KG5, KG6, KG8, KG11; Stations KG3, KG5, KG6, KG8; and Stations KG1, KG5, KG6, respectively. [Pelecypods and gastropods were completely eliminated at Station KG5. However, because no variance is associated with the replicate zero values at Station KG5, an error resulted when performing the t-tests. If even a single individual had been captured, the mean abundance would have differed significantly ( $p<0.05$ ) from reference area conditions. Therefore, absences of pelecypods and gastropods at this station are considered significant depressions ( $p<0.01$ ) in abundance.]

With the exception of Station KG5, relative abundances of polychaetes at stations within the Kellogg Island segment were high, having represented 60-93 percent of the total fauna at each station. The mean percentage of polychaetes at the stations in Port Susan was 33 percent. Relative abundances of polychaetes at Station KG5 was low, only 21 percent. Combined pelecypod and gastropod relative abundances (4.8 and 0.24 percent, respectively) within the Kellogg Island segment were low compared with Port Susan (40 and 2.6 percent, respectively). Relative abundances of crustaceans varied among the Kellogg Island stations, from 0.3 at Station KG5 to 33.4 at Station KG11. This pattern of relative abundances was similar to that identified by the t-tests (see Figure 58). Total abundances at Stations KG5 and KG6 were lowest among all the stations within the Kellogg Island segment. Overall, the benthic community structure within the Kellogg Island segment appears to be highly modified when compared to the reference area.

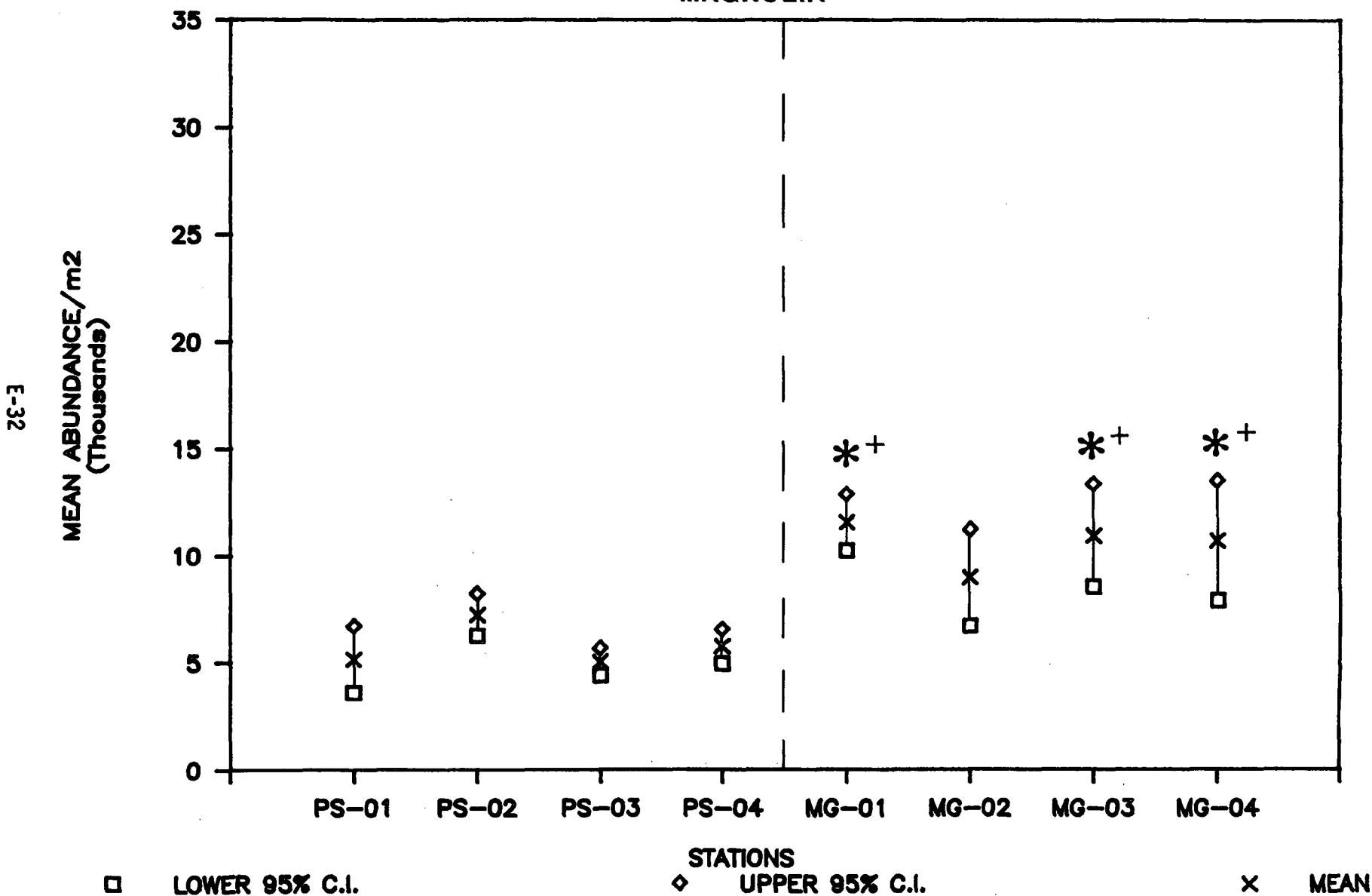
## DUWAMISH HEAD/ALKI BEACH

A total of only seven significant differences in abundances were detected among the four stations within this segment. Enhanced abundances were indicated at Stations AB2-AB4 for crustaceans, at Station AB2 for gastropods, and at Stations AB2 and AB4 for total infaunal abundances. The significantly enhanced total abundances at Stations AB2 and AB4 were largely driven by enhanced abundances of crustaceans. The only significantly depressed abundances within this segment was for polychaetes at Station AB3. Polychaete abundances were relatively low at Stations AB2-AB4, but the low variability among the replicate samples at Station AB3 apparently accounted for the detection of a significant difference. High abundances of amphipods and other crustaceans, particularly ostracods, were responsible for the significantly enhanced abundances of crustaceans at Stations AB2-AB4.

Overall, benthic assemblages of Duwamish Head/Alki Beach appear to be very different than those of Port Susan, and more similar to those within the Magnolia segment, especially considering the relative abundances of the major taxonomic groups. Relative abundances of total crustaceans accounted for approximately 43 percent of the total fauna among the Duwamish Head/Alki Beach stations. This is similar to Magnolia where 42 percent of the fauna was represented by crustaceans. In comparison, crustaceans in Port Susan represented 24 percent of the total fauna. Relative abundances of polychaetes among the four Duwamish Head/Alki Beach stations averaged about 21 percent of the fauna, which is about one third lower than in Port Susan but about 3.5 times higher than within the Magnolia segment. However, only Stations AB2-AB4 are located in similar wave exposure regimes. When only these stations are used to calculate relative abundances, 12.3 percent of the fauna is represented by polychaetes. This is much lower than Port Susan and higher, but more similar to the Magnolia segment than to the reference area. These similarities between Duwamish Head/Alki Beach and Magnolia indicate that the wave exposure regime and associated physical and chemical characteristics of the environment are more important in structuring the benthic communities within the Duwamish Head/Alki Beach and Magnolia segments than are contaminant inputs by man.

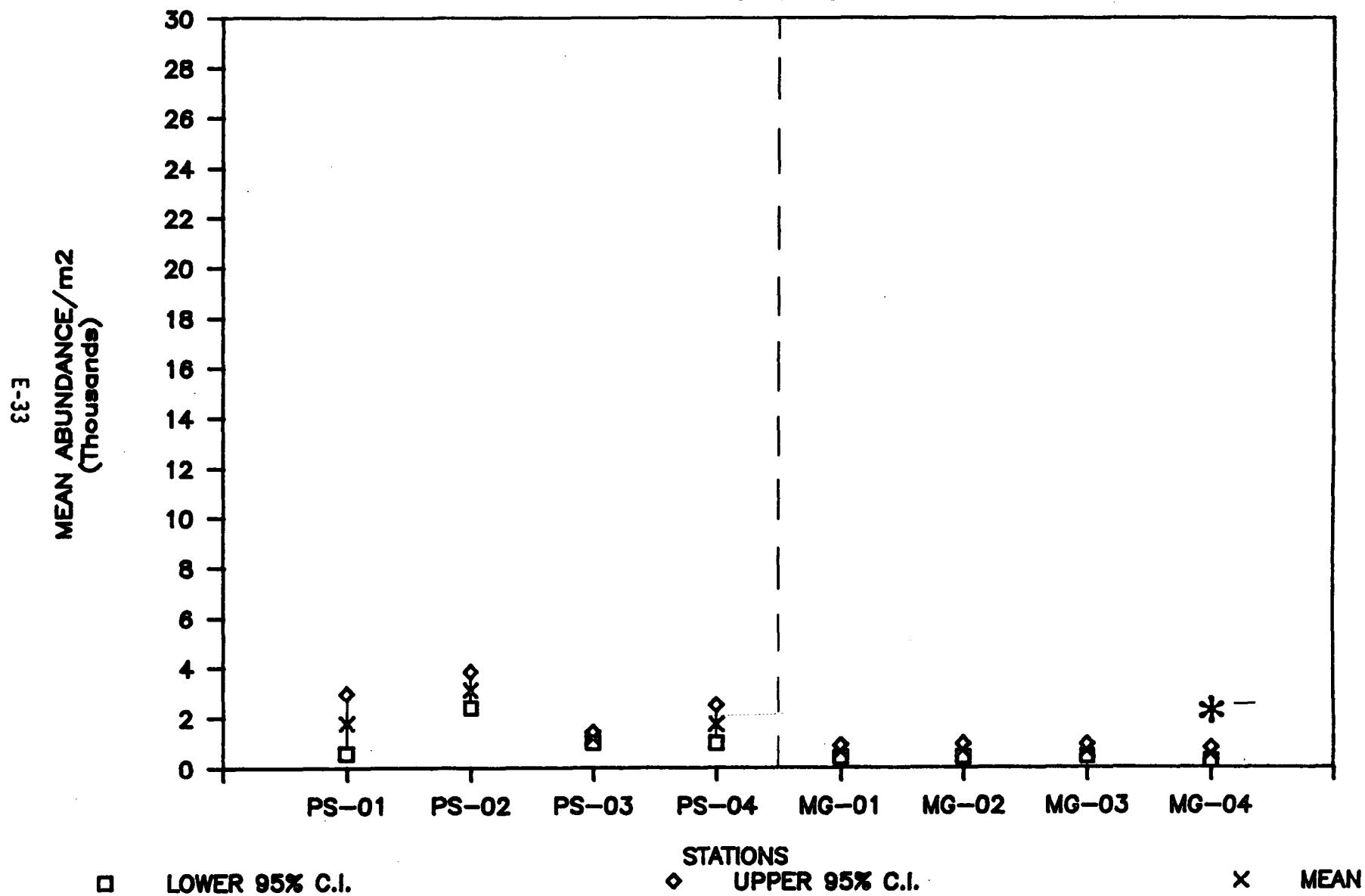
# TOTAL TAXA ABUNDANCE – ELLIOTT BAY 1985

## MAGNOLIA



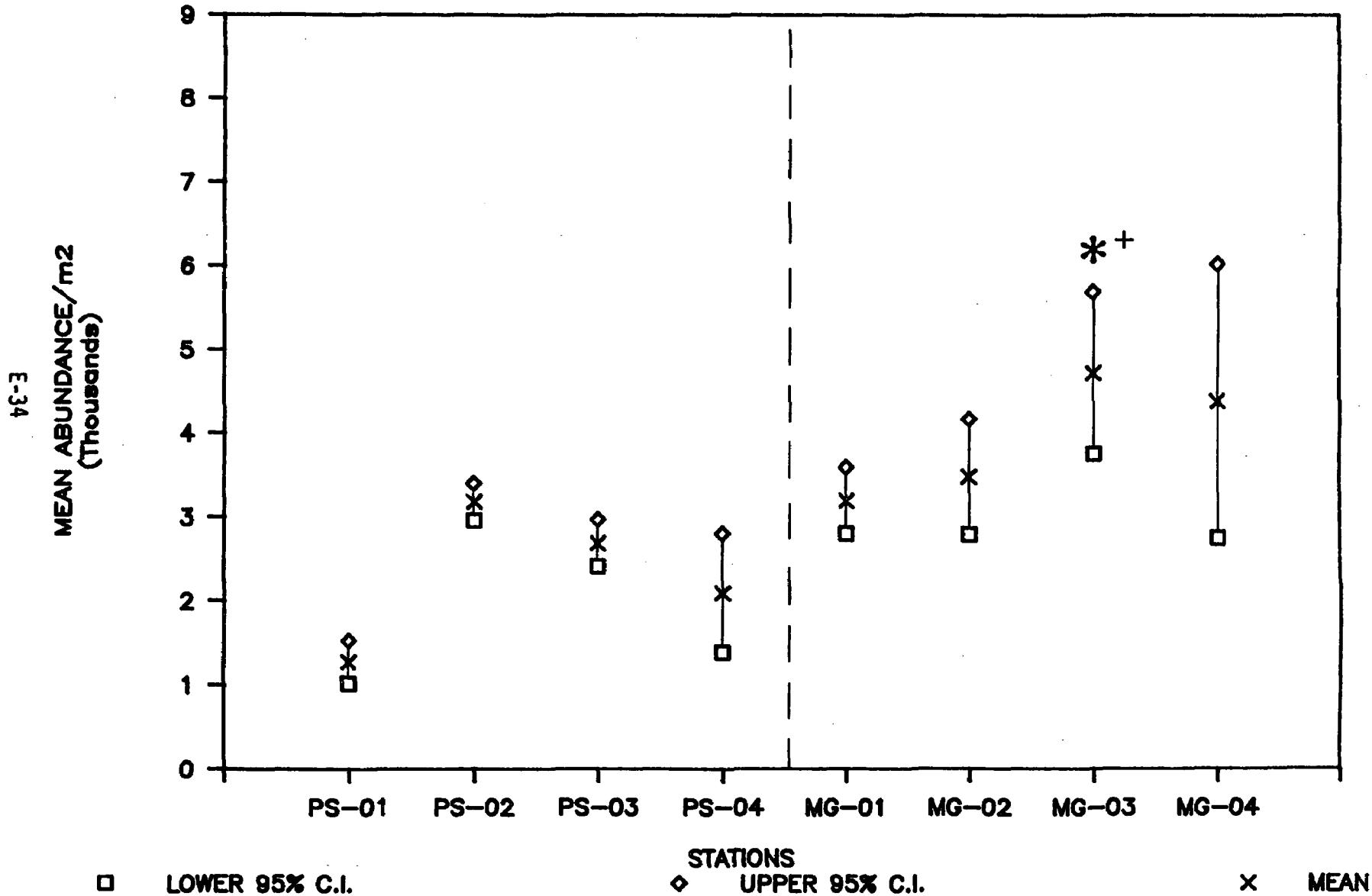
# POLYCHAETE ABUNDANCE – ELLIOTT BAY 1985

## MAGNOLIA



# PELECYPODA ABUNDANCE - ELLIOTT BAY 1985

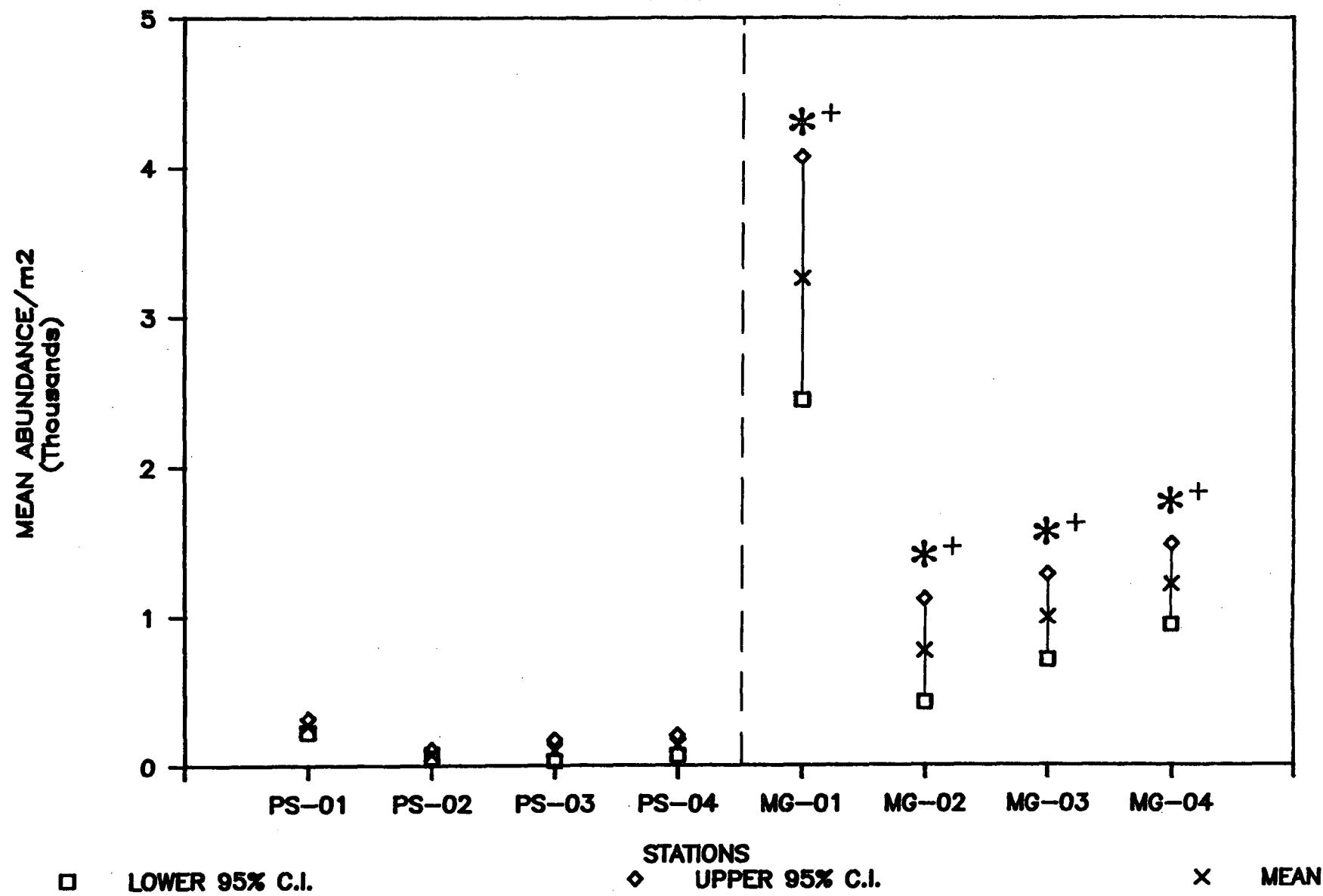
## MAGNOLIA



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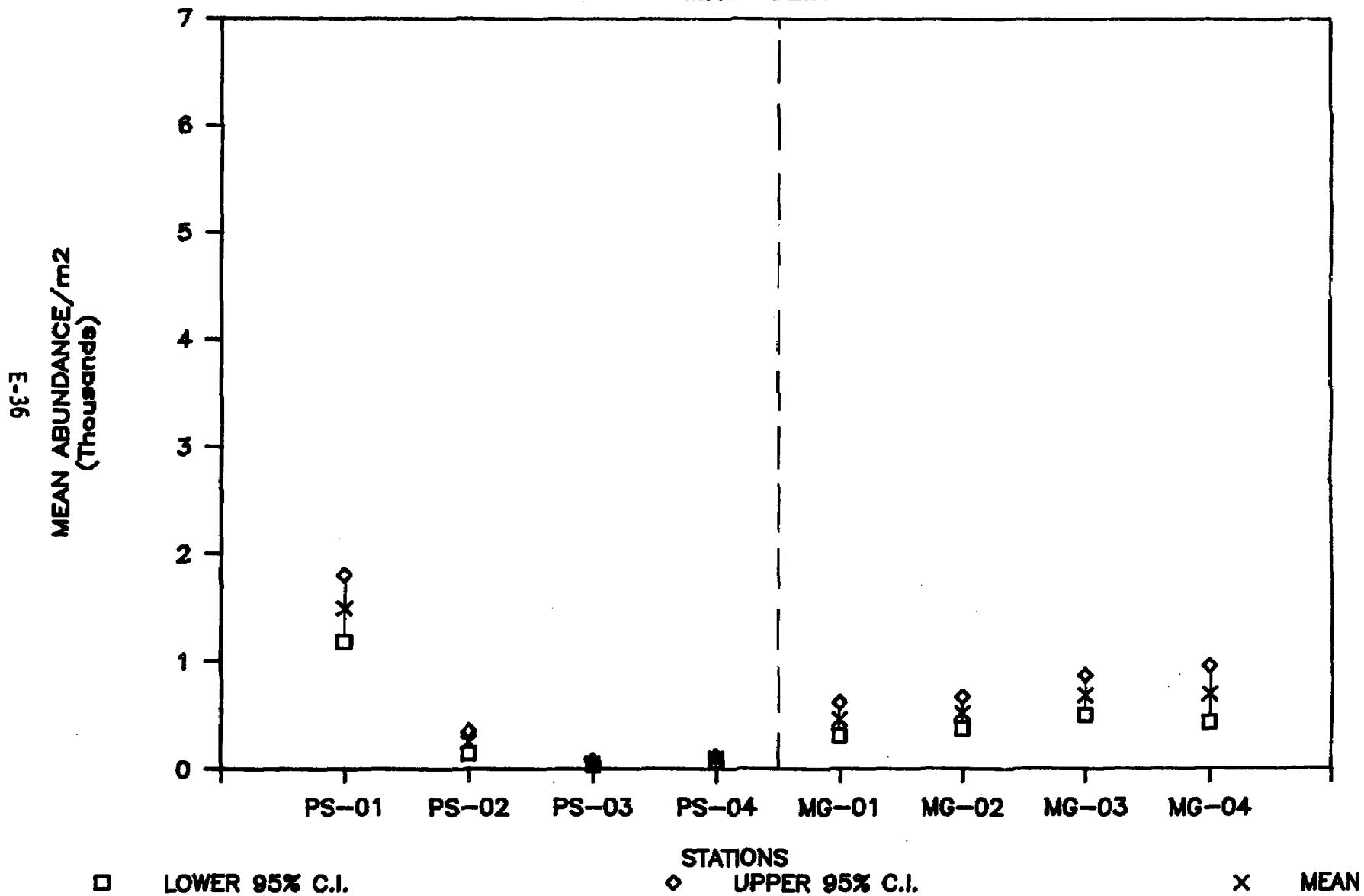
MAGNOLIA

SE-3



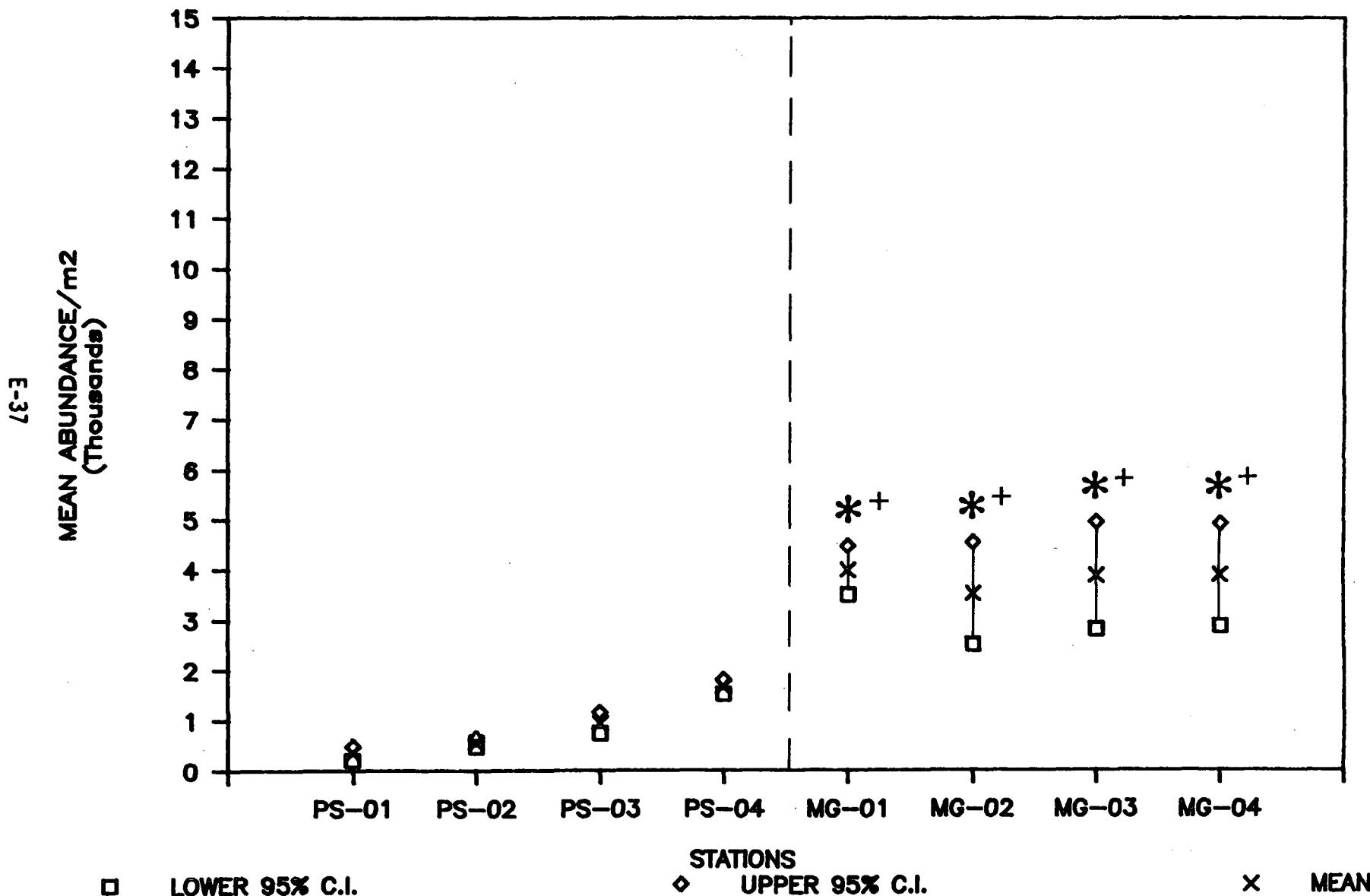
# AMPHIPODA ABUNDANCE - ELLIOTT BAY 1985

MAGNOLIA



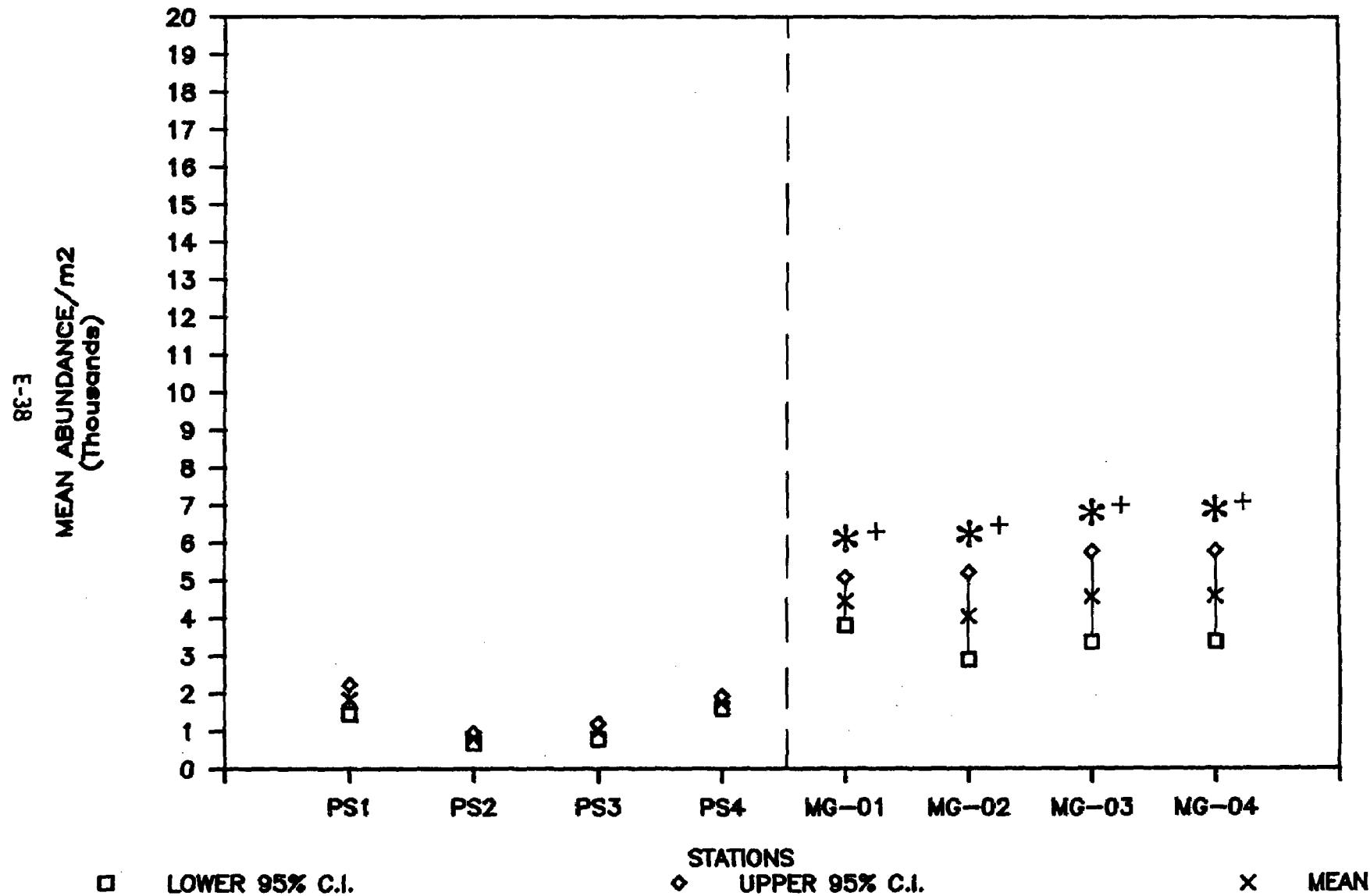
# O. CRUST. ABUNDANCE – ELLIOTT BAY 1985

## MAGNOLIA



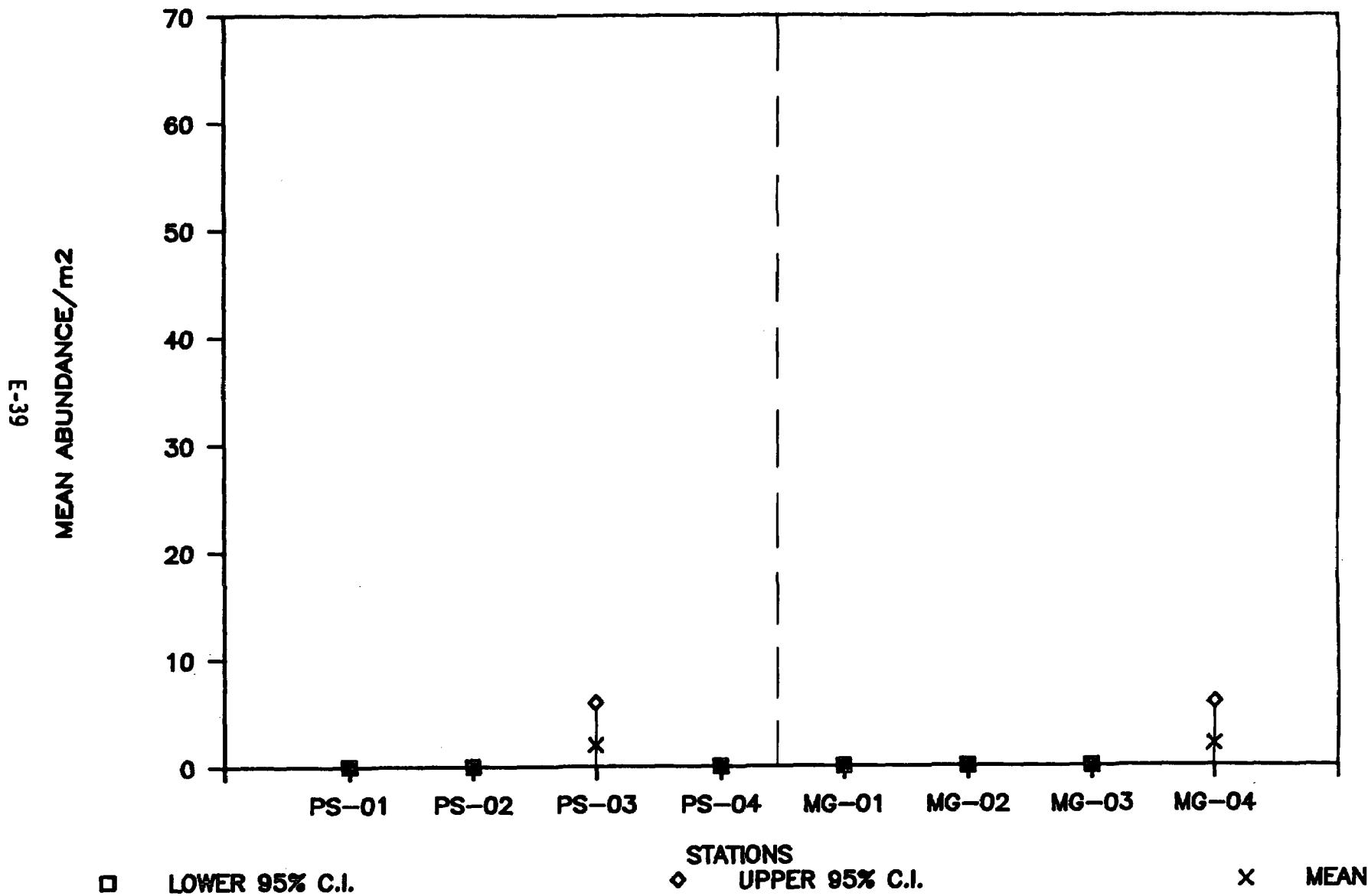
# TOT CRUST ABUNDANCE - ELLIOTT BAY 1985

MAGNOLIA



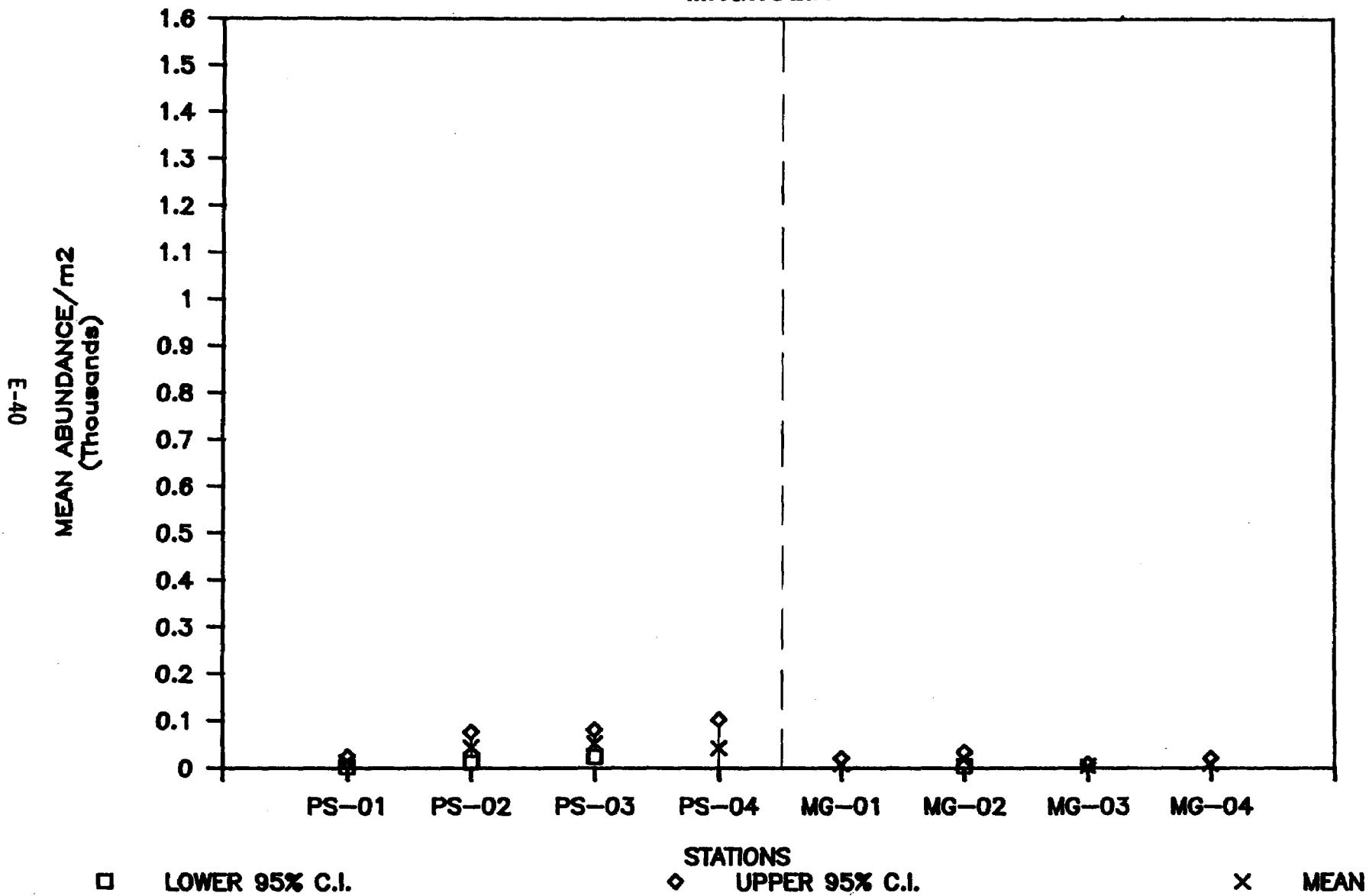
# ECHINODERM ABUNDANCE - ELLIOTT BAY 1985

MAGNOLIA



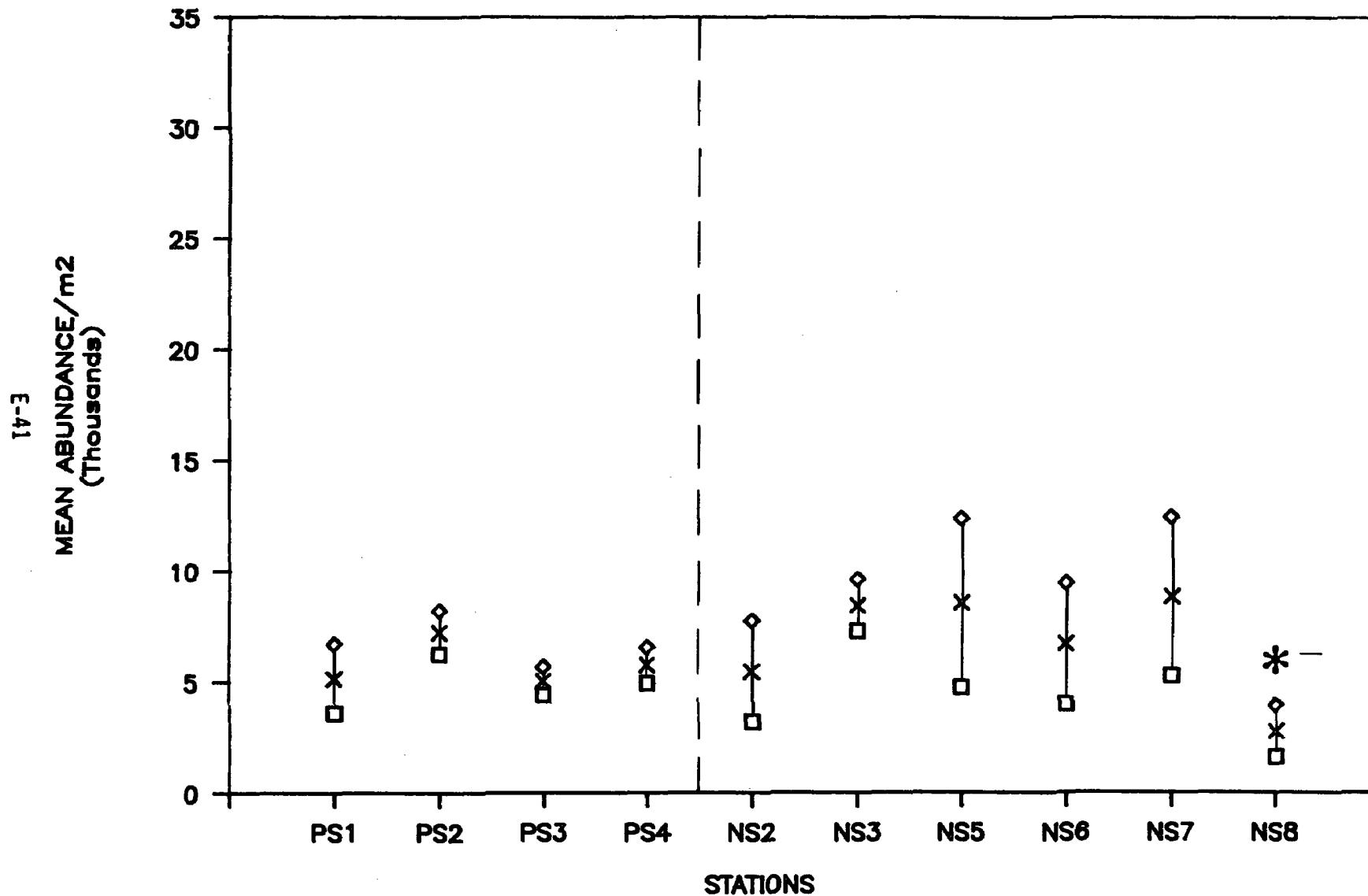
# MISC TAXA ABUNDANCE – ELLIOTT BAY 1985

## MAGNOLIA



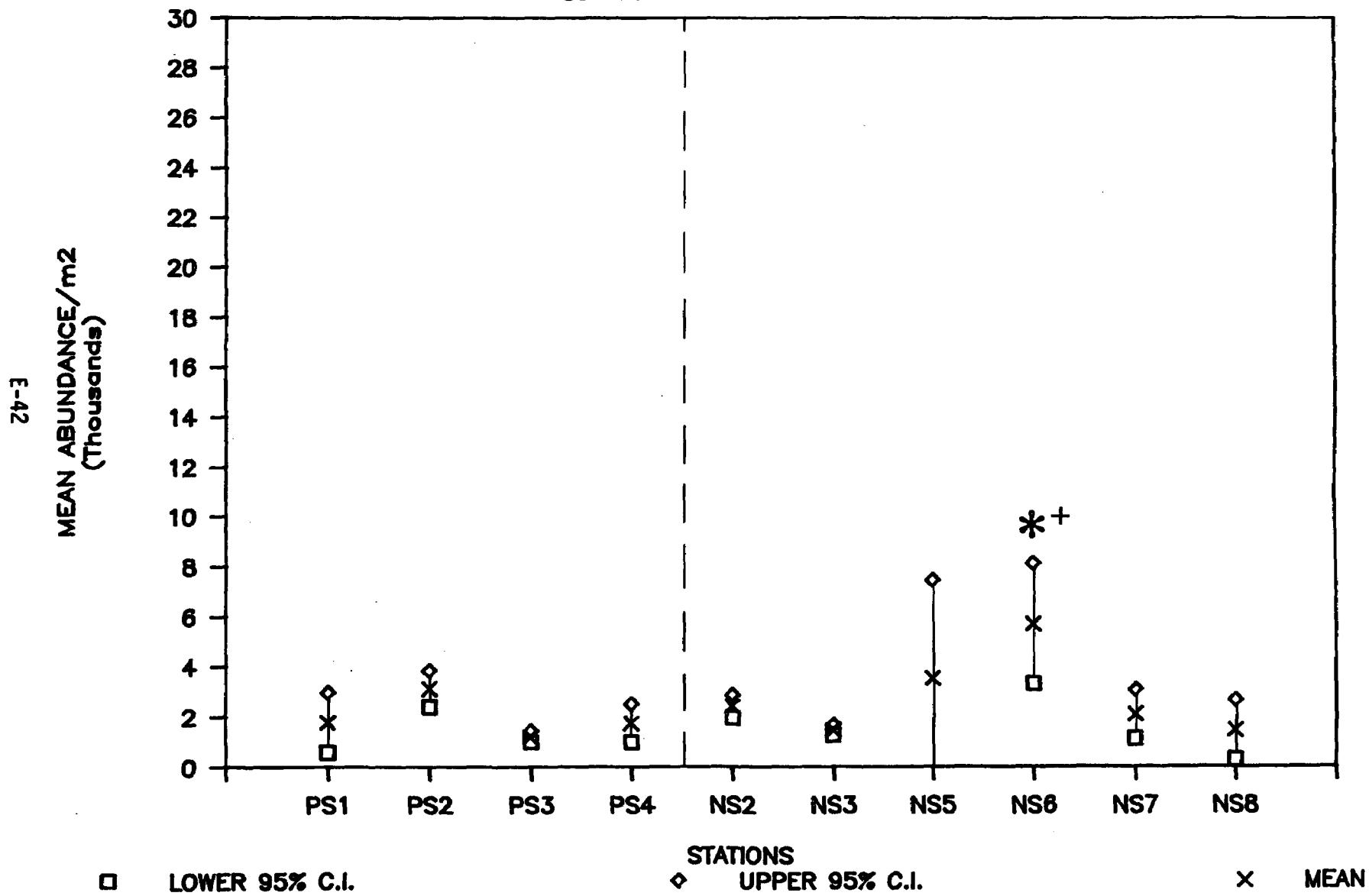
# TOTAL TAXA ABUNDANCE – ELLIOTT BAY 1985

## SEATTLE WATERFRONT NORTH



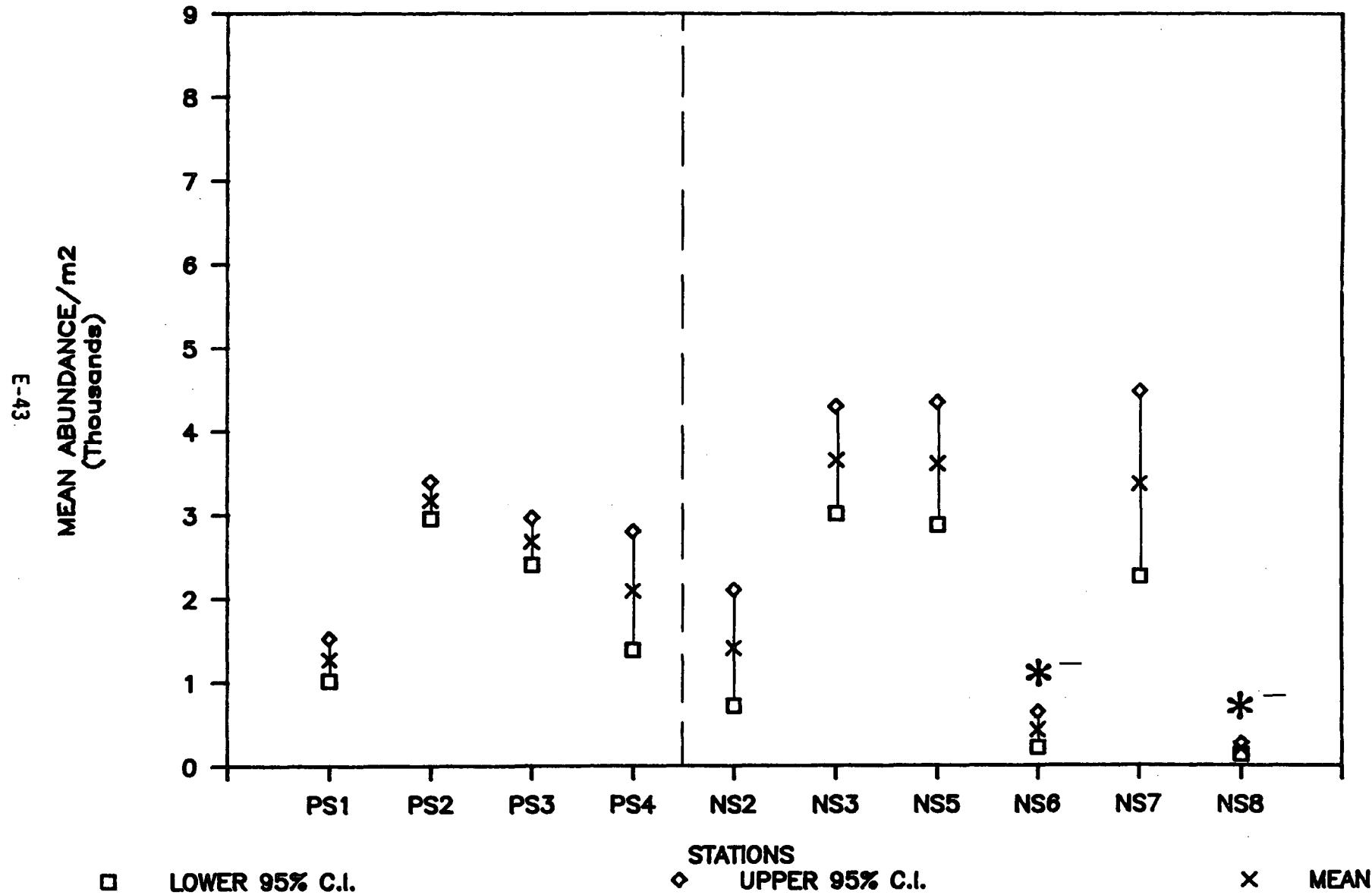
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## SEATTLE WATERFRONT NORTH



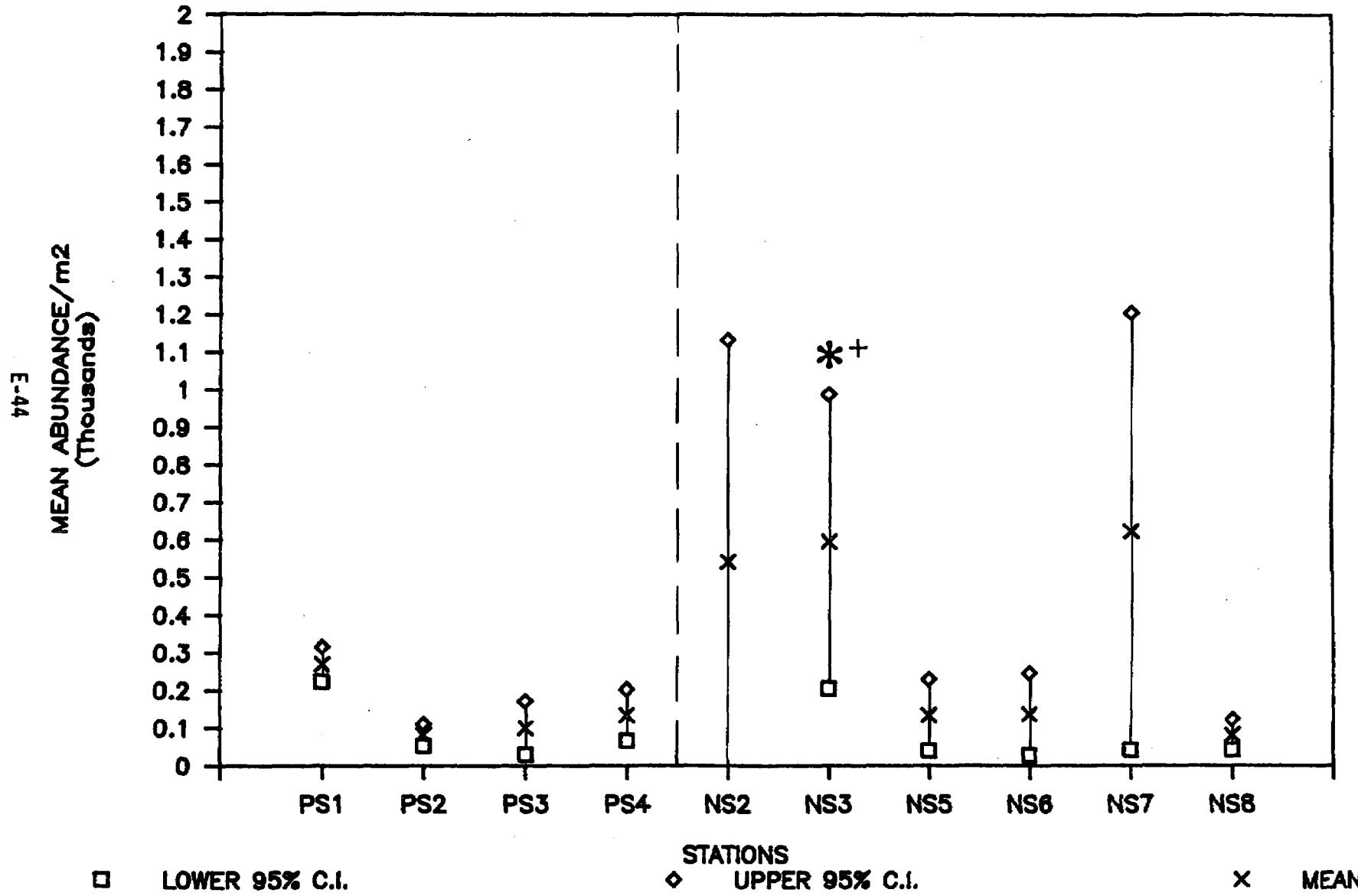
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## SEATTLE WATERFRONT NORTH



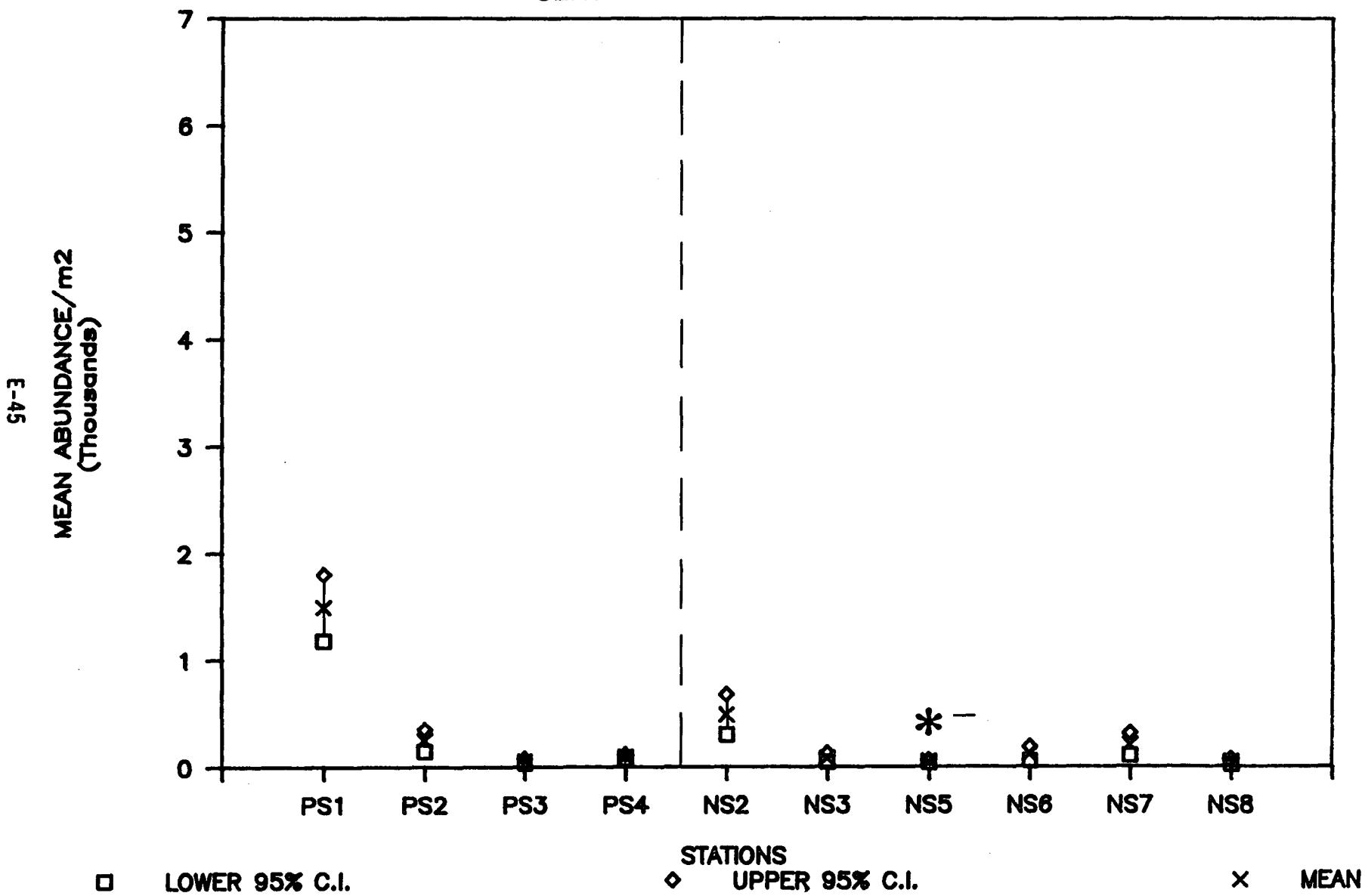
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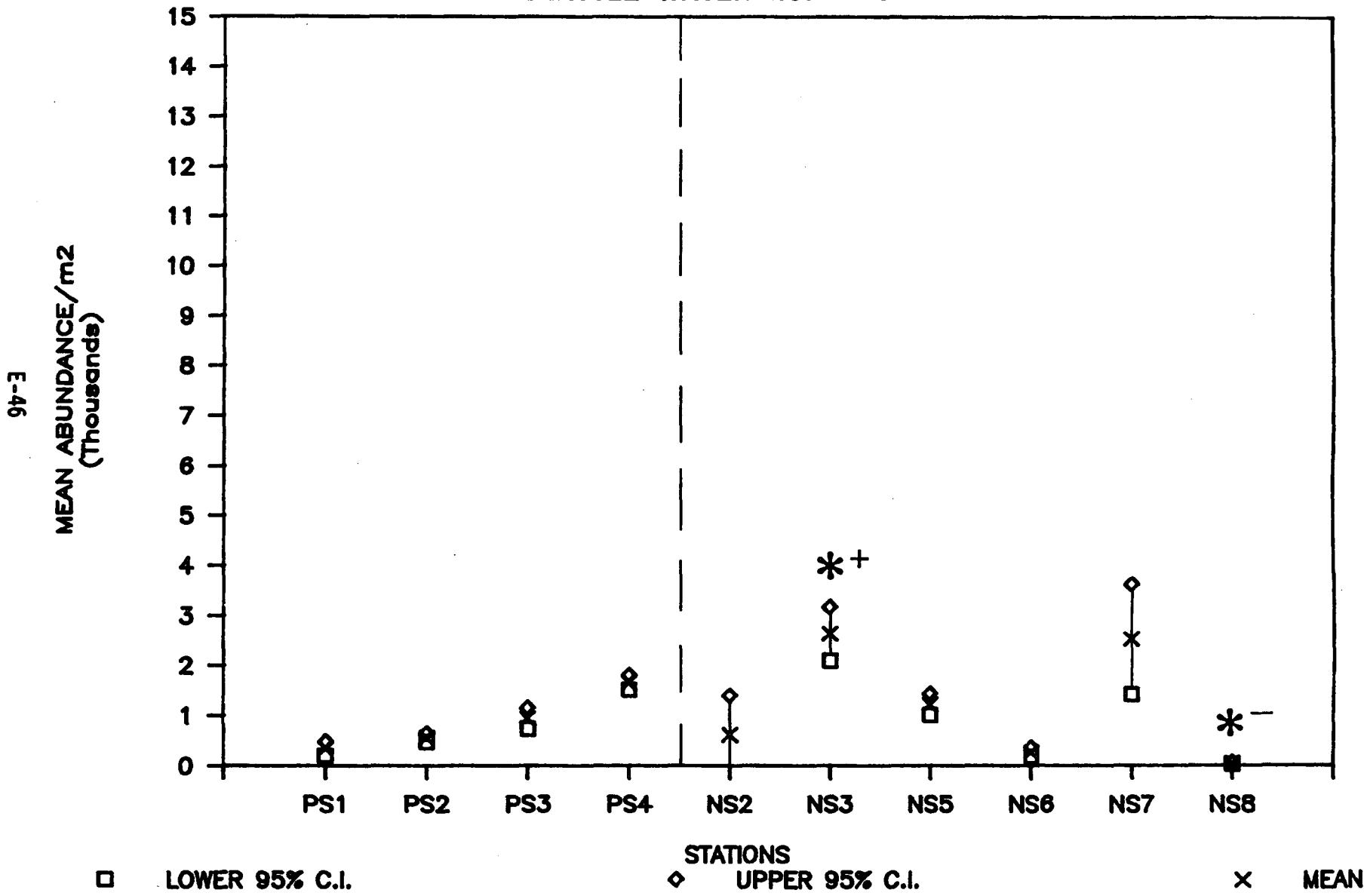
# AMPHIPODA ABUNDANCE – ELLIOTT BAY 1985

## SEATTLE WATERFRONT NORTH



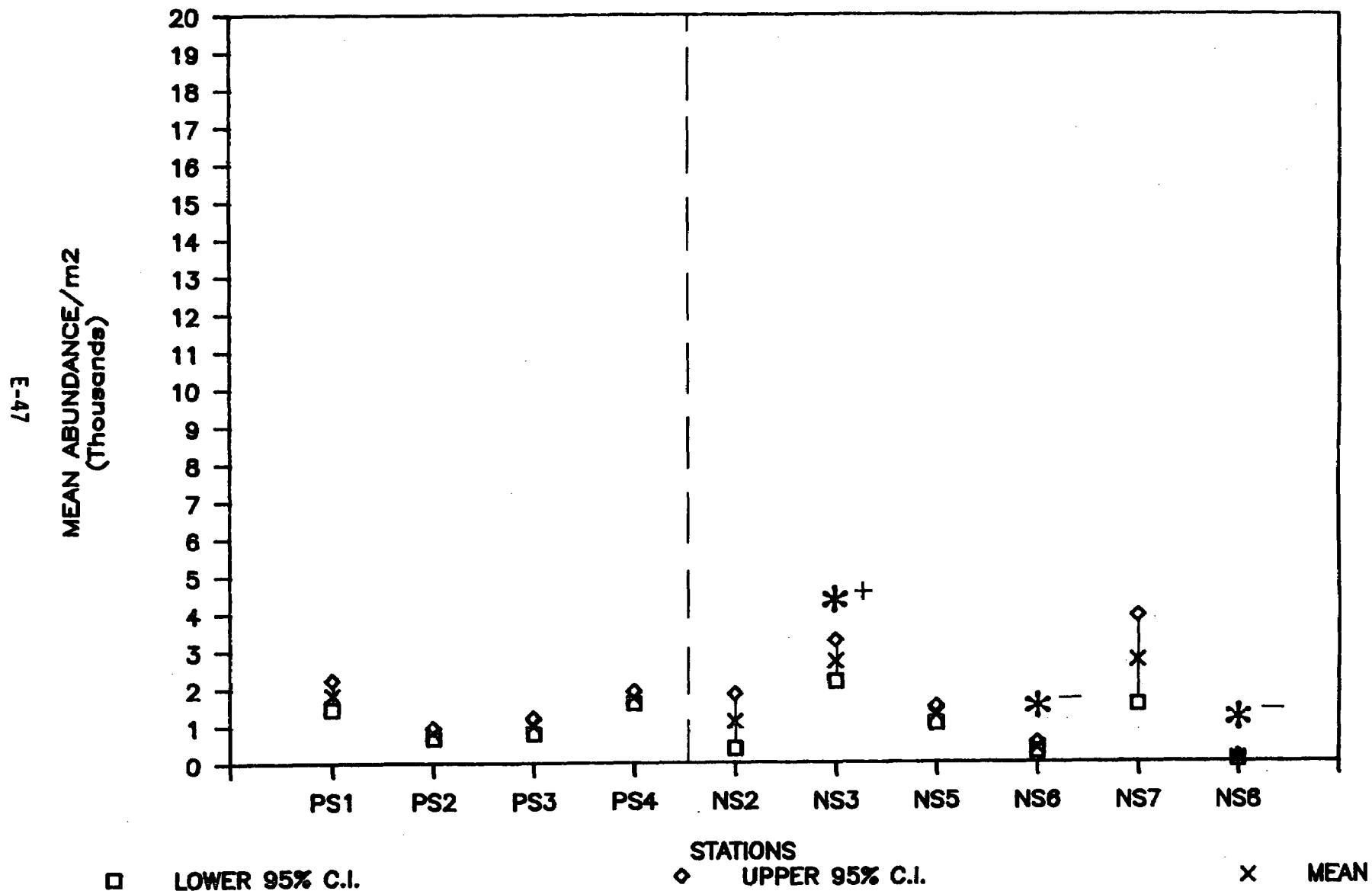
# O. CRUST. ABUNDANCE – ELLIOTT BAY 1985

## SEATTLE WATERFRONT NORTH



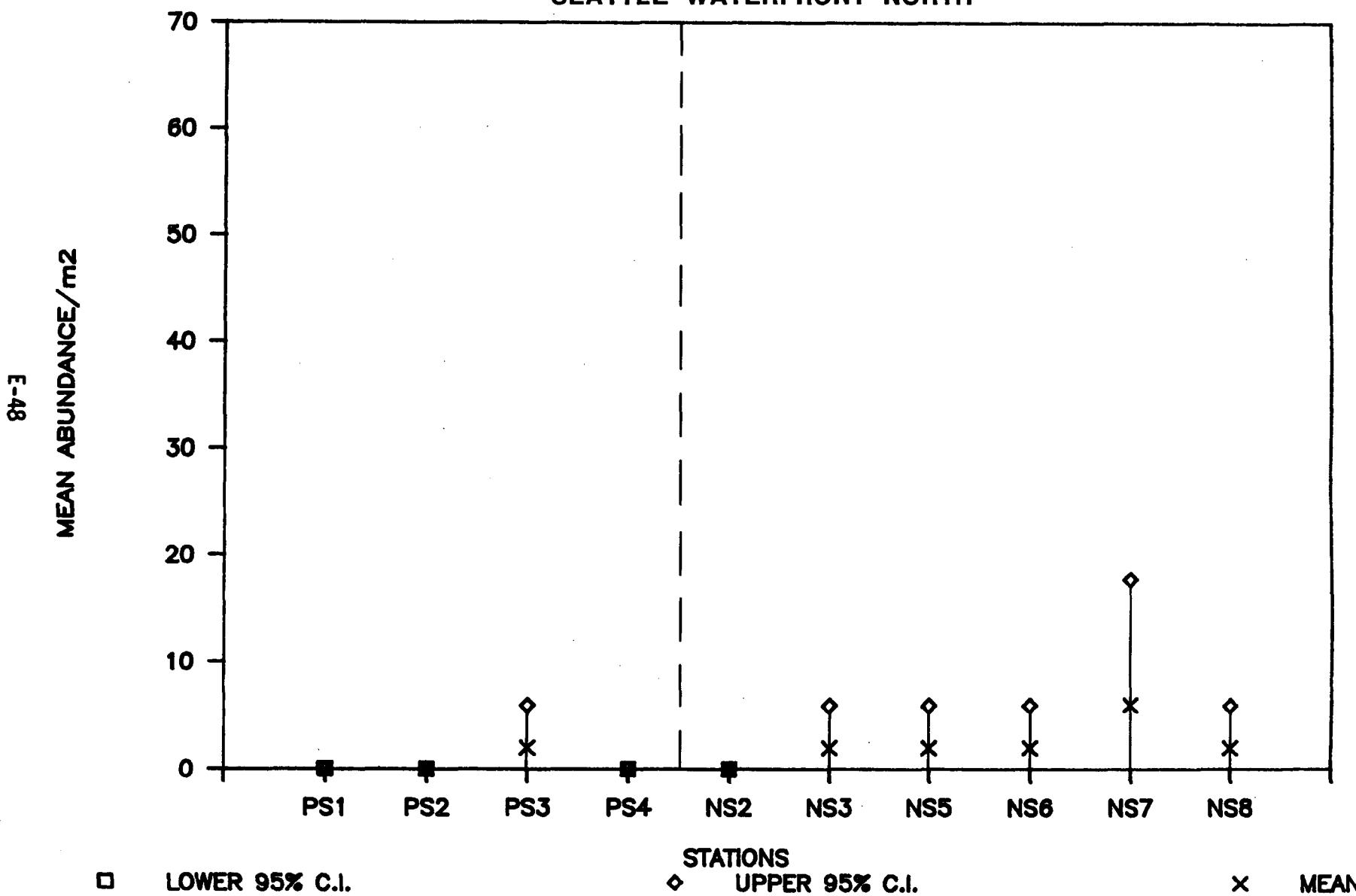
# TOT CRUST ABUNDANCE – ELLIOTT BAY 1985

## SEATTLE WATERFRONT NORTH



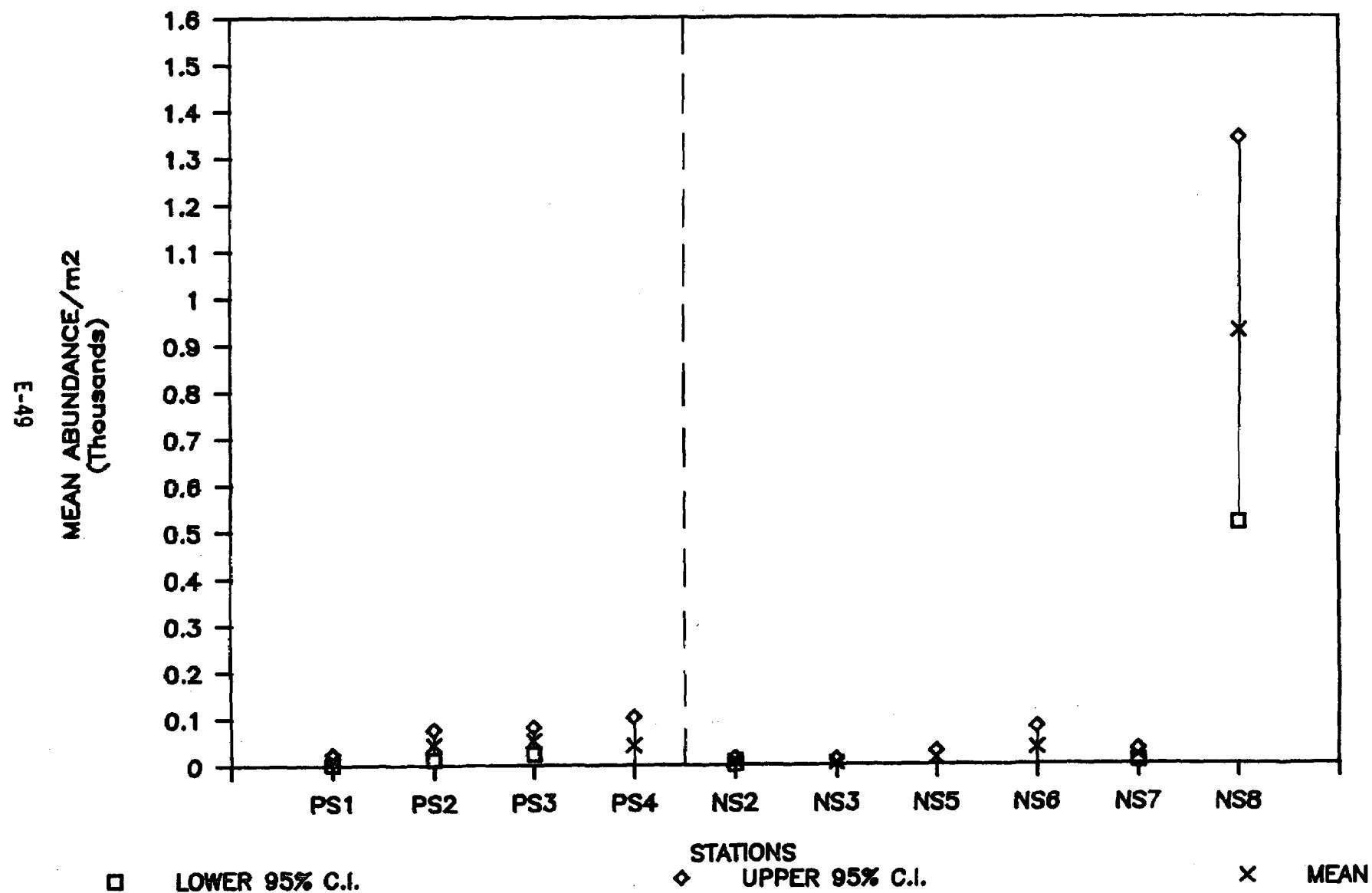
# ECHINODERM ABUNDANCE – ELLIOTT BAY 1985

## SEATTLE WATERFRONT NORTH



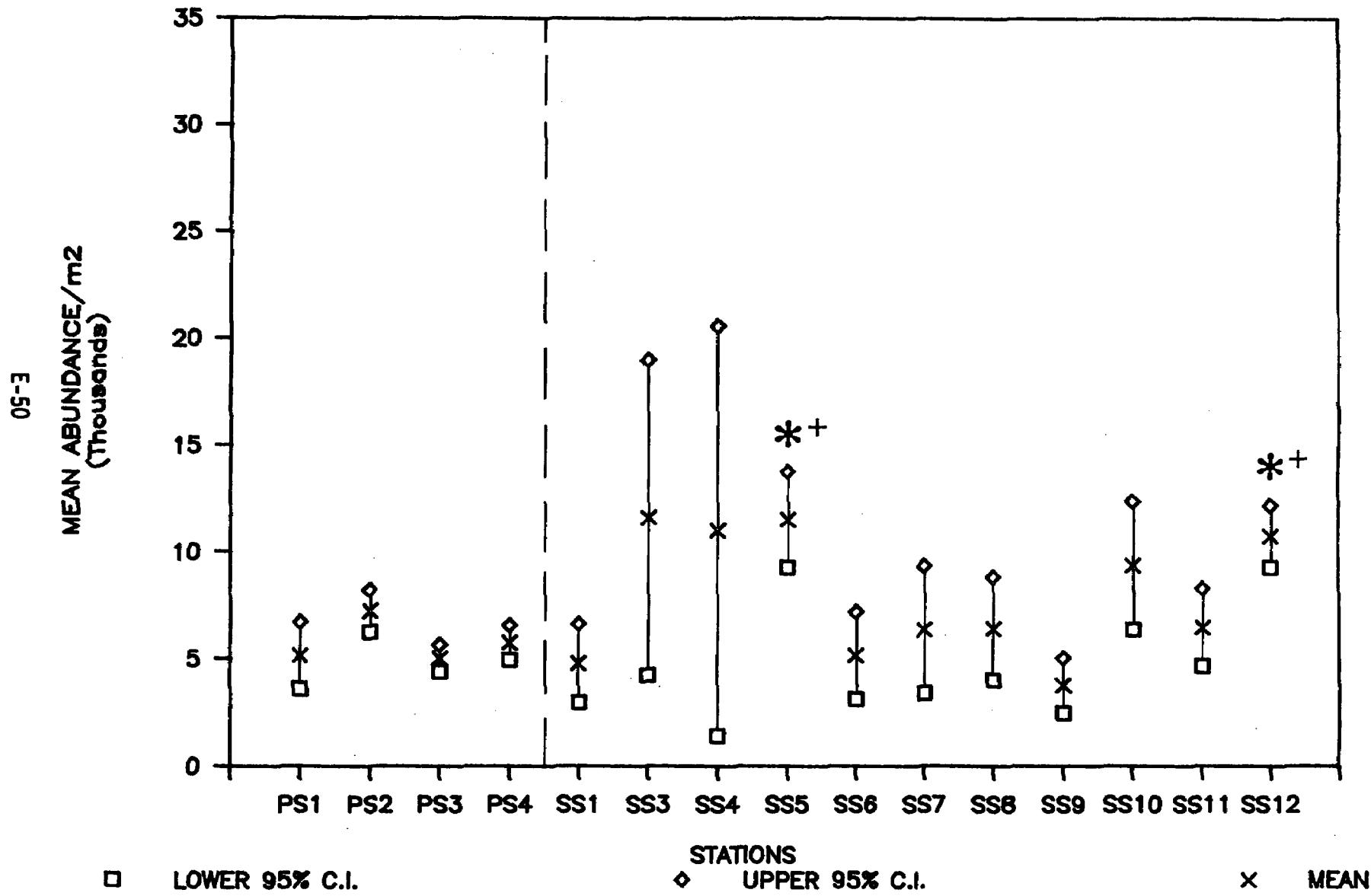
# MISC TAXA ABUNDANCE - ELLIOTT BAY 1985

SEATTLE WATERFRONT NORTH



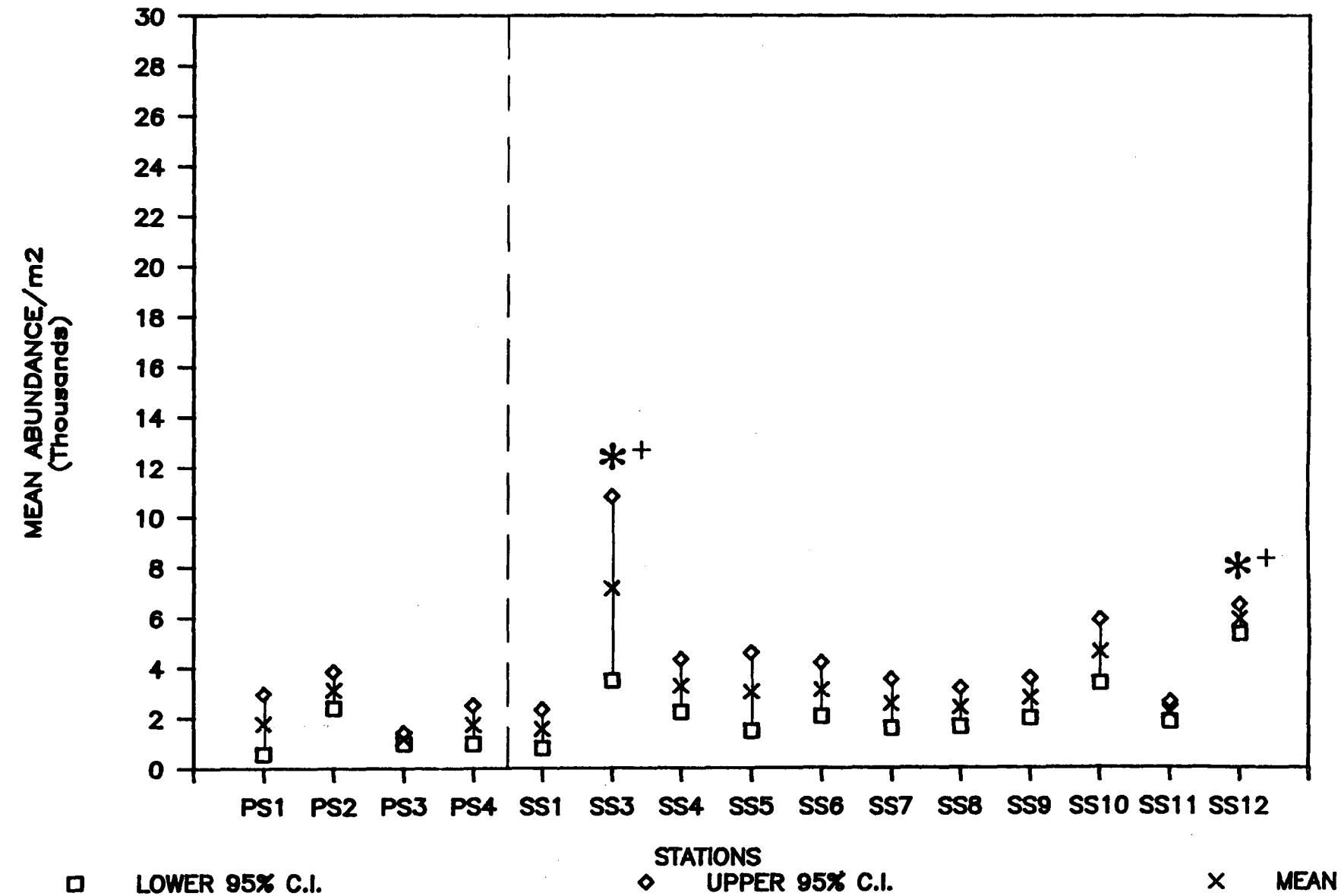
# TOTAL TAXA ABUNDANCE – ELLIOTT BAY 1985

## SEATTLE WATERFRONT SOUTH



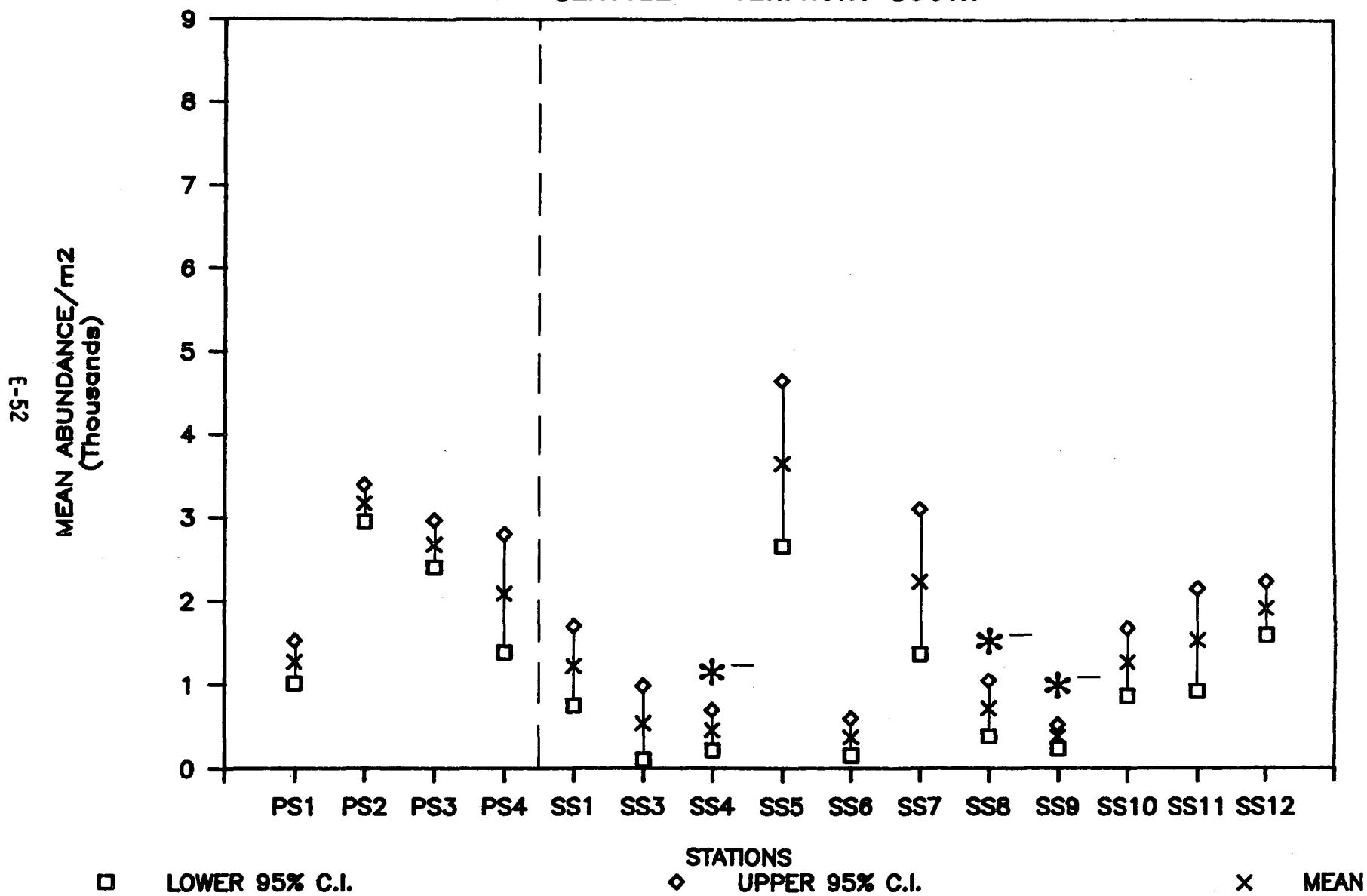
# POLYCHAETE ABUNDANCE – ELLIOTT BAY 1985

## SEATTLE WATERFRONT SOUTH



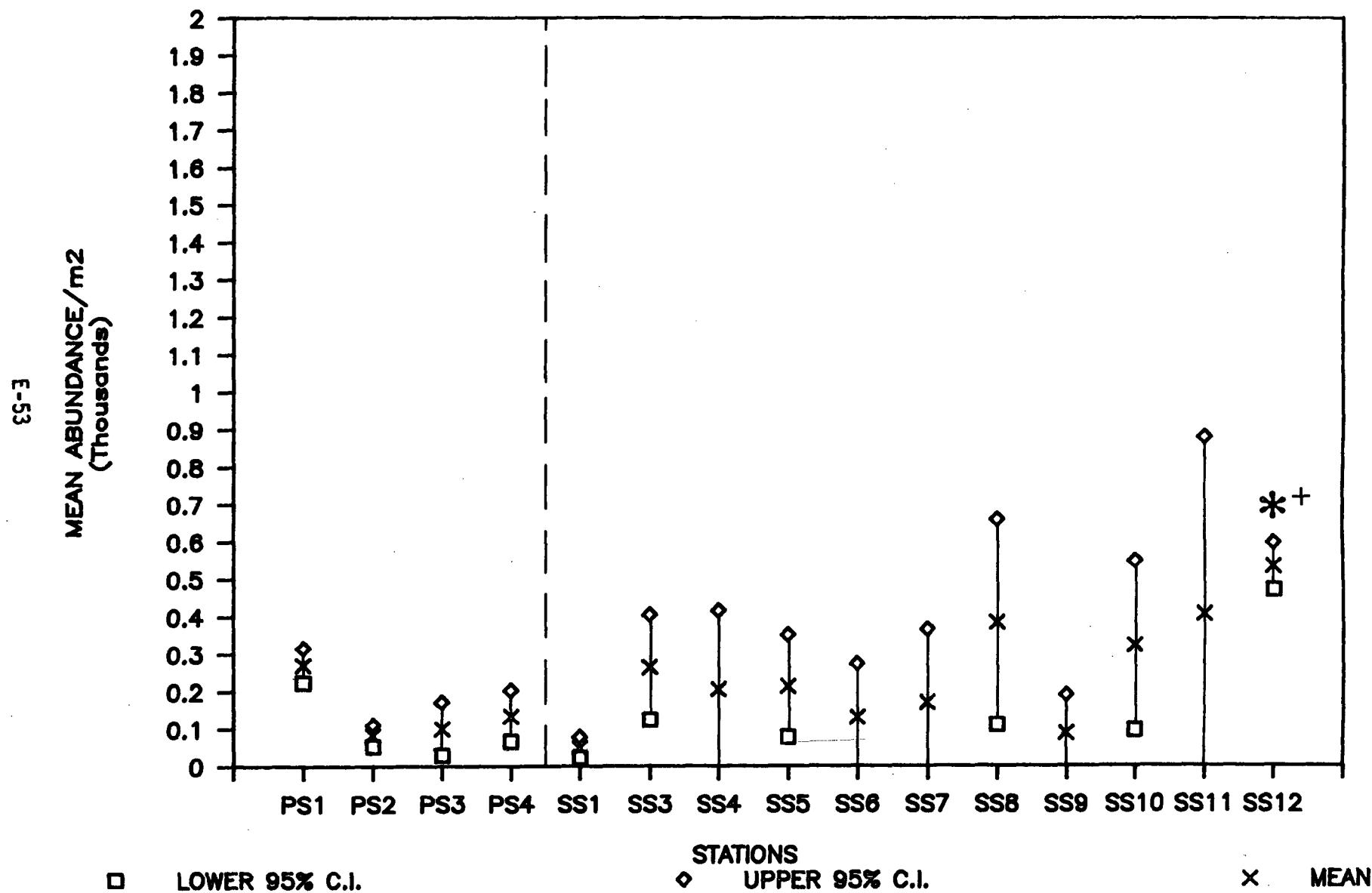
# PELECYPODA ABUNDANCE – ELLIOTT BAY 1985

## SEATTLE WATERFRONT SOUTH



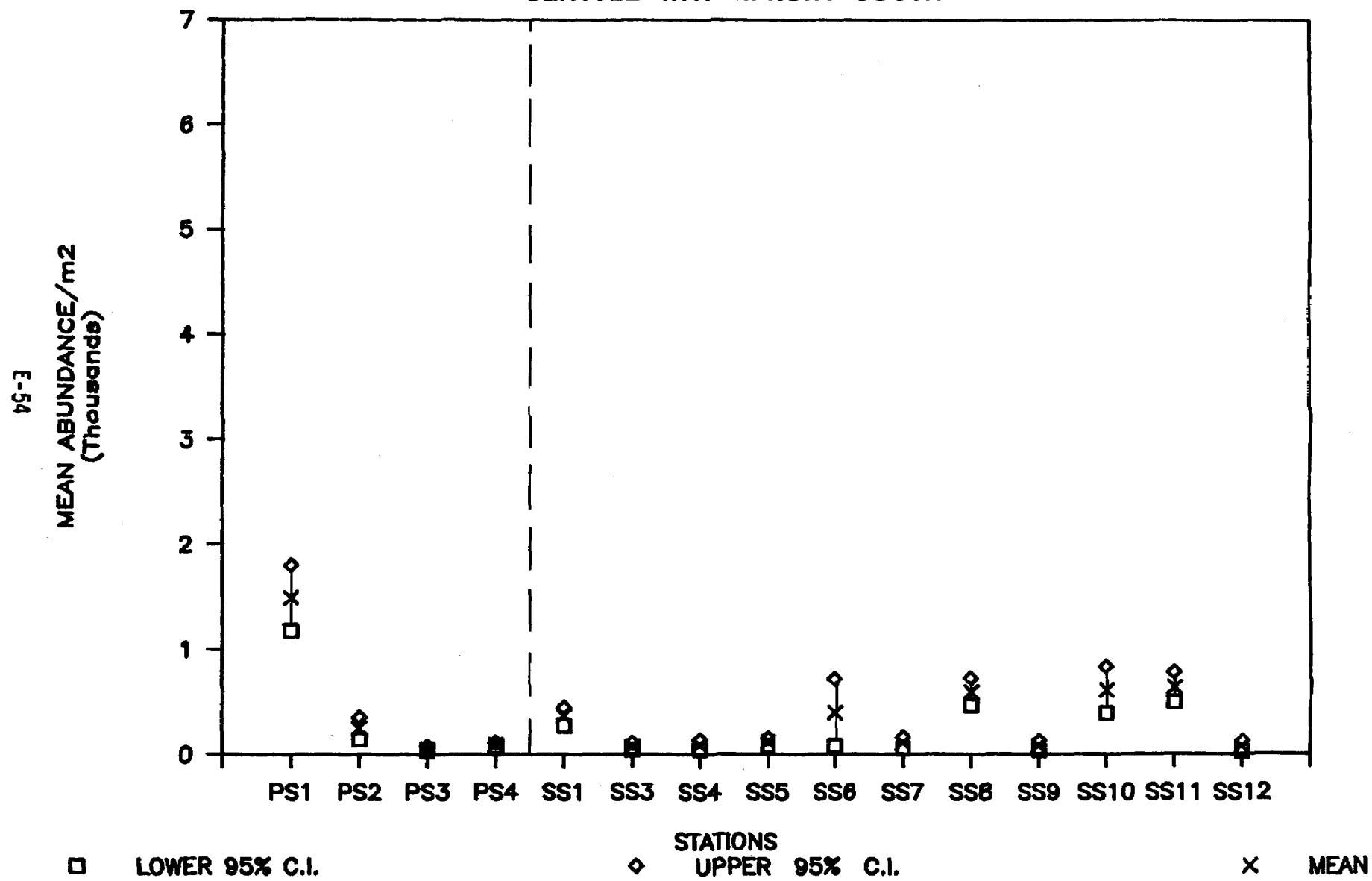
# GASTROPODA ABUNDANCE – ELLIOTT BAY 1985

## SEATTLE WATERFRONT SOUTH



# AMPHIPODA ABUNDANCE – ELLIOTT BAY 1985

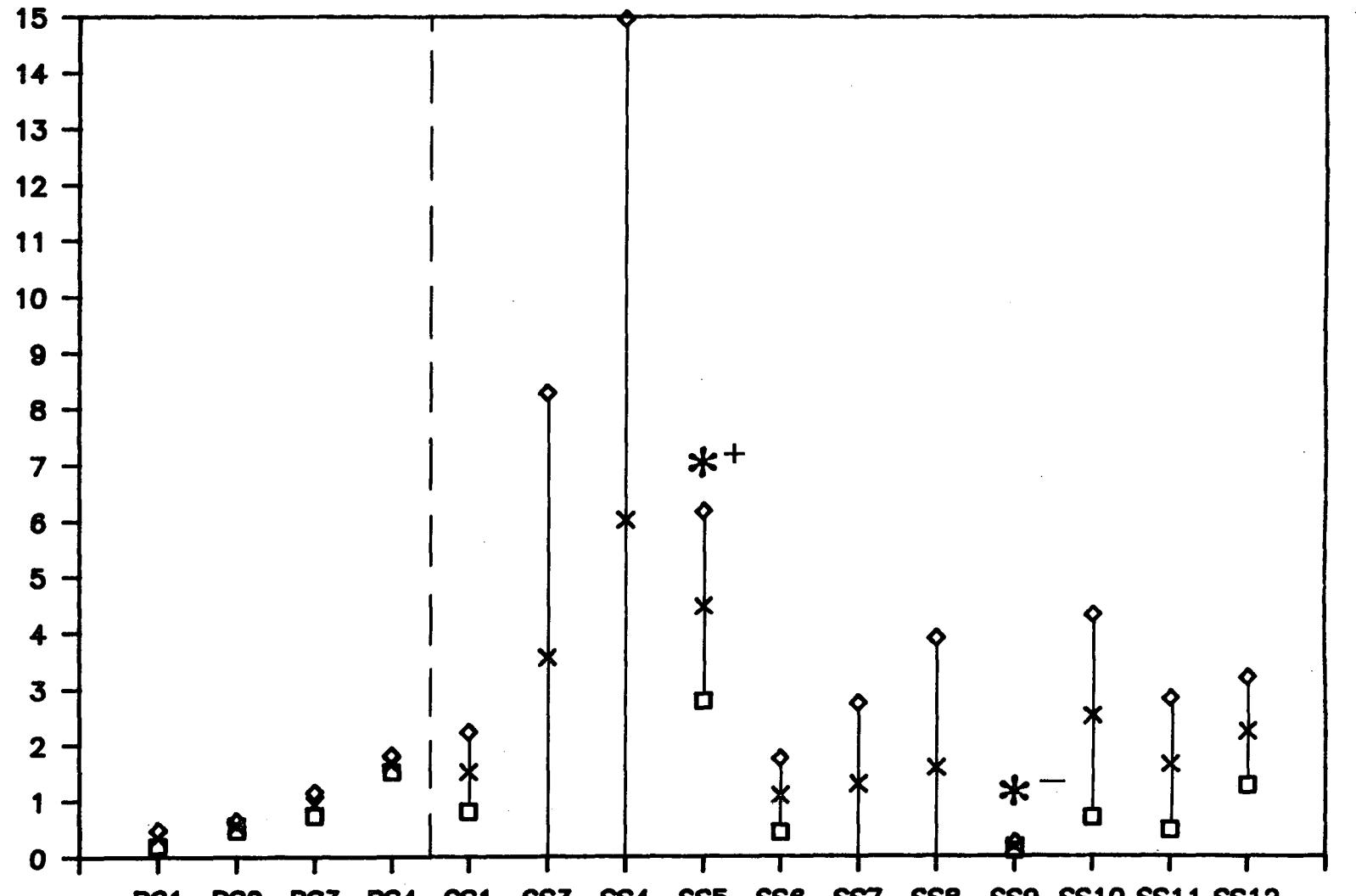
## SEATTLE WATERFRONT SOUTH



# O. CRUST. ABUNDANCE – ELLIOTT BAY 1985

SEATTLE WATERFRONT SOUTH

§§-3  
MEAN ABUNDANCE/m<sup>2</sup>  
(Thousands)



□ LOWER 95% C.I.

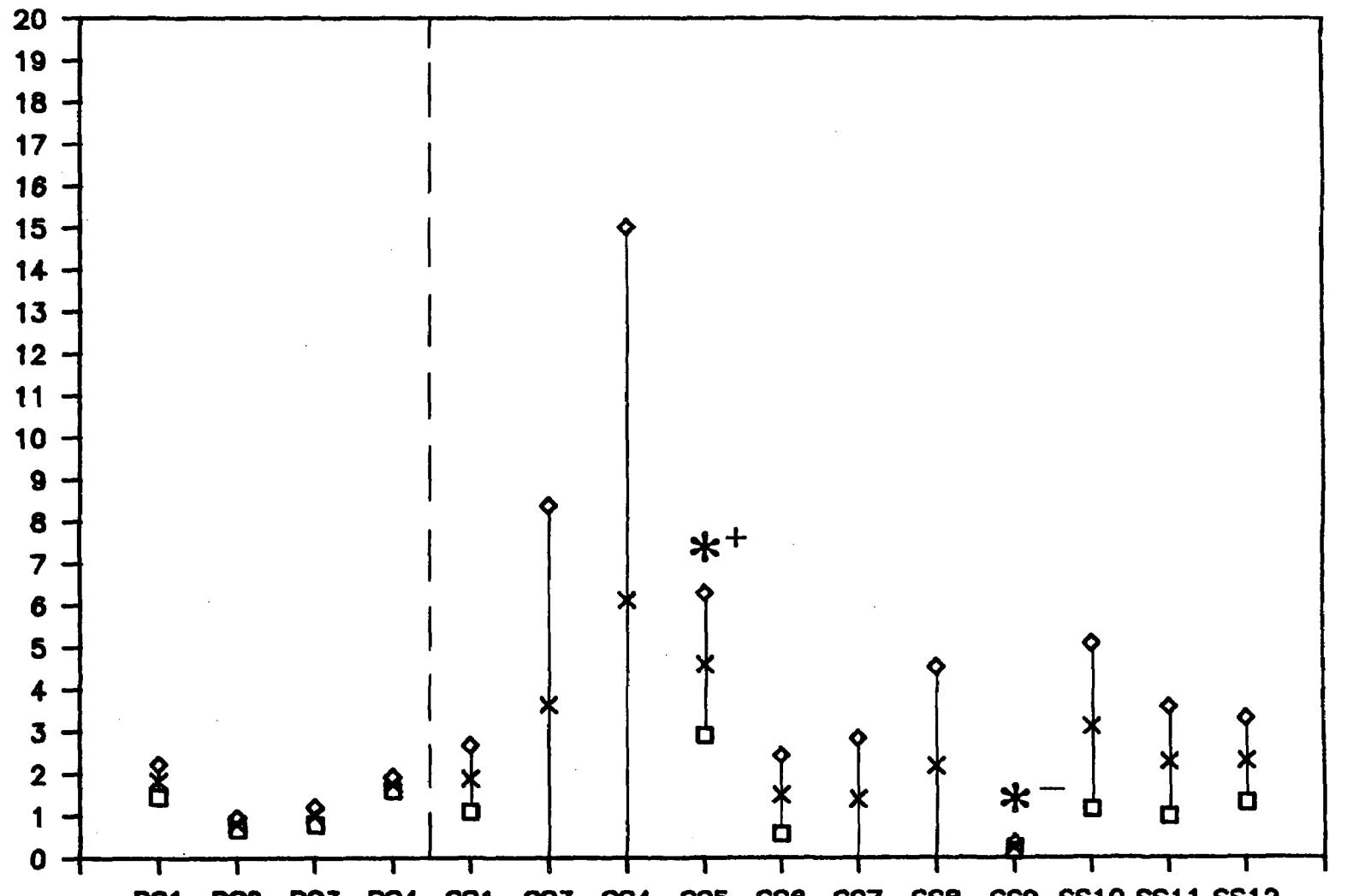
◇ UPPER 95% C.I.

× MEAN

# TOT CRUST ABUNDANCE - ELLIOTT BAY 1985

## SEATTLE WATERFRONT SOUTH

95-3  
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(Thousands)



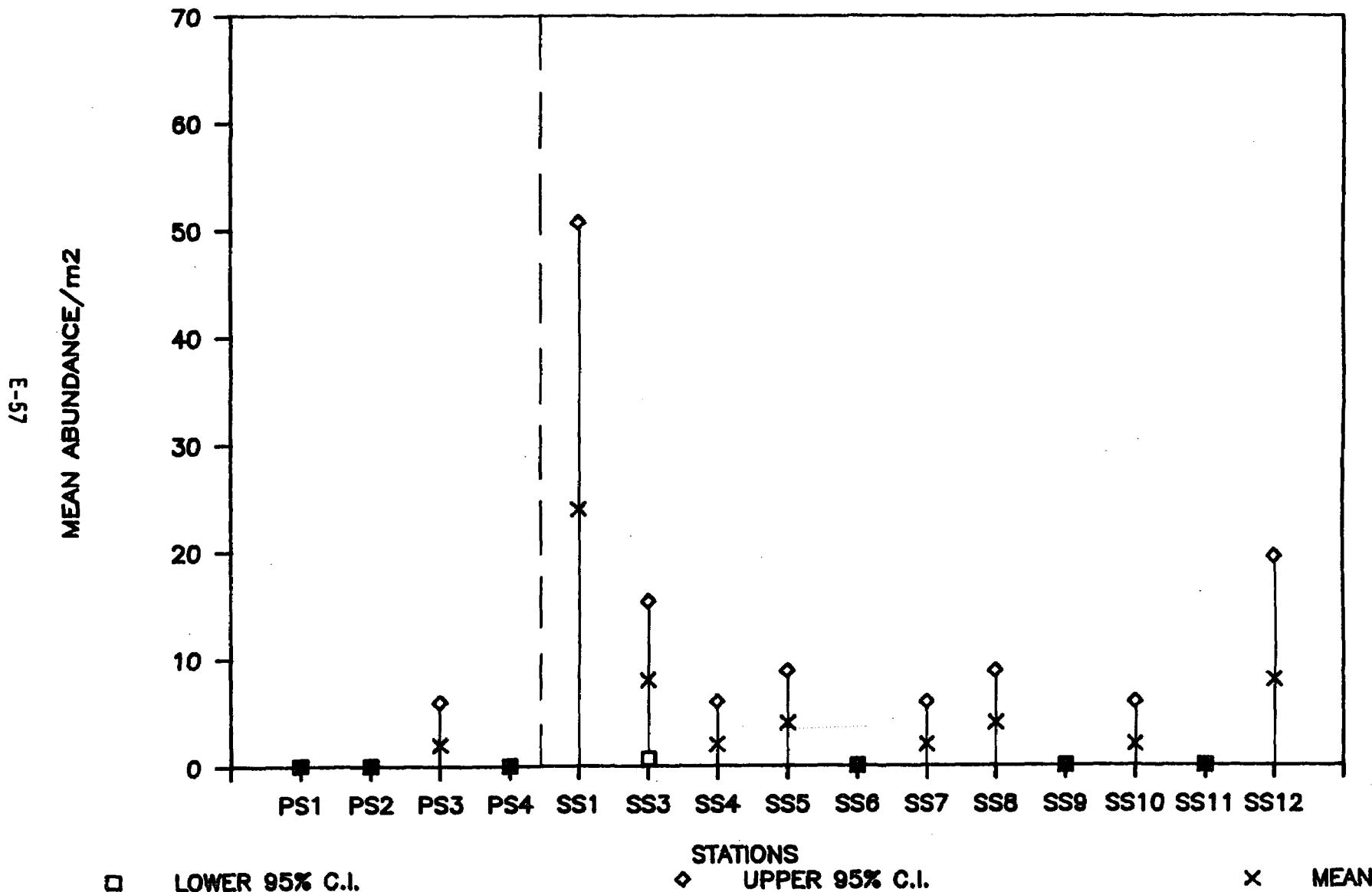
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◊ UPPER 95% C.I.

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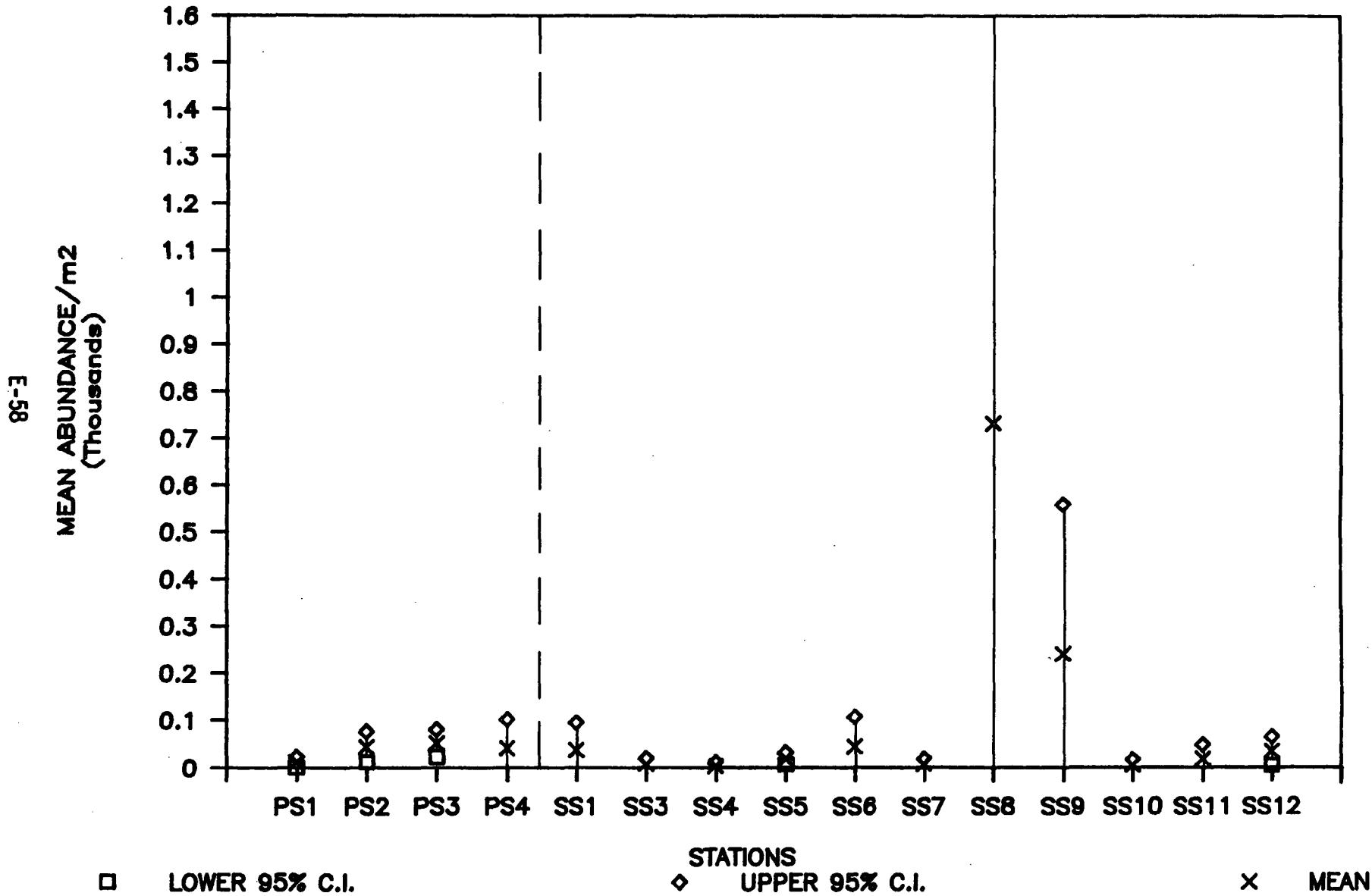
# ECHINODERM ABUNDANCE – ELLIOTT BAY 1985

SEATTLE WATERFRONT SOUTH



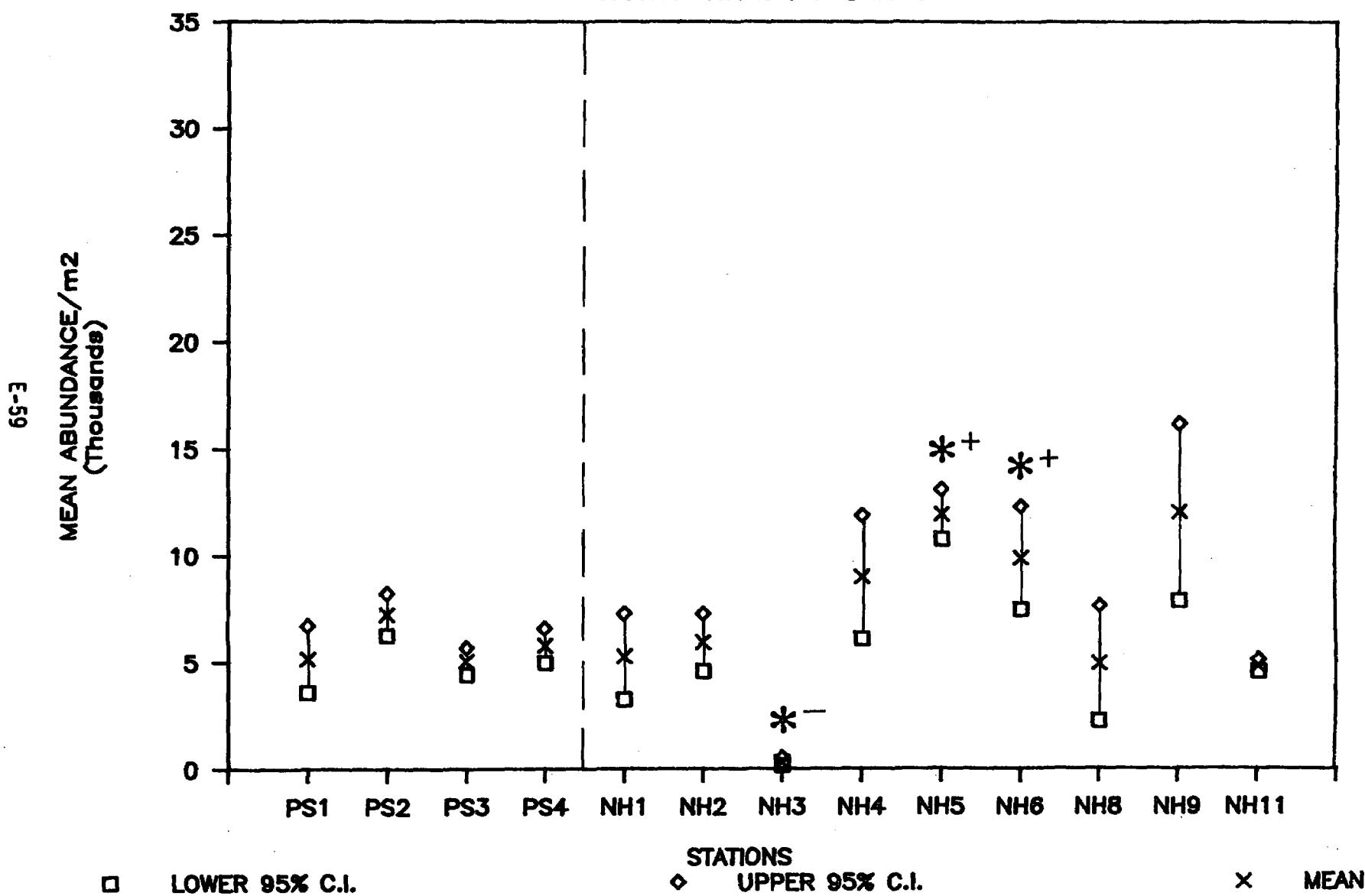
# MISC TAXA ABUNDANCE – ELLIOTT BAY 1985

SEATTLE WATERFRONT SOUTH



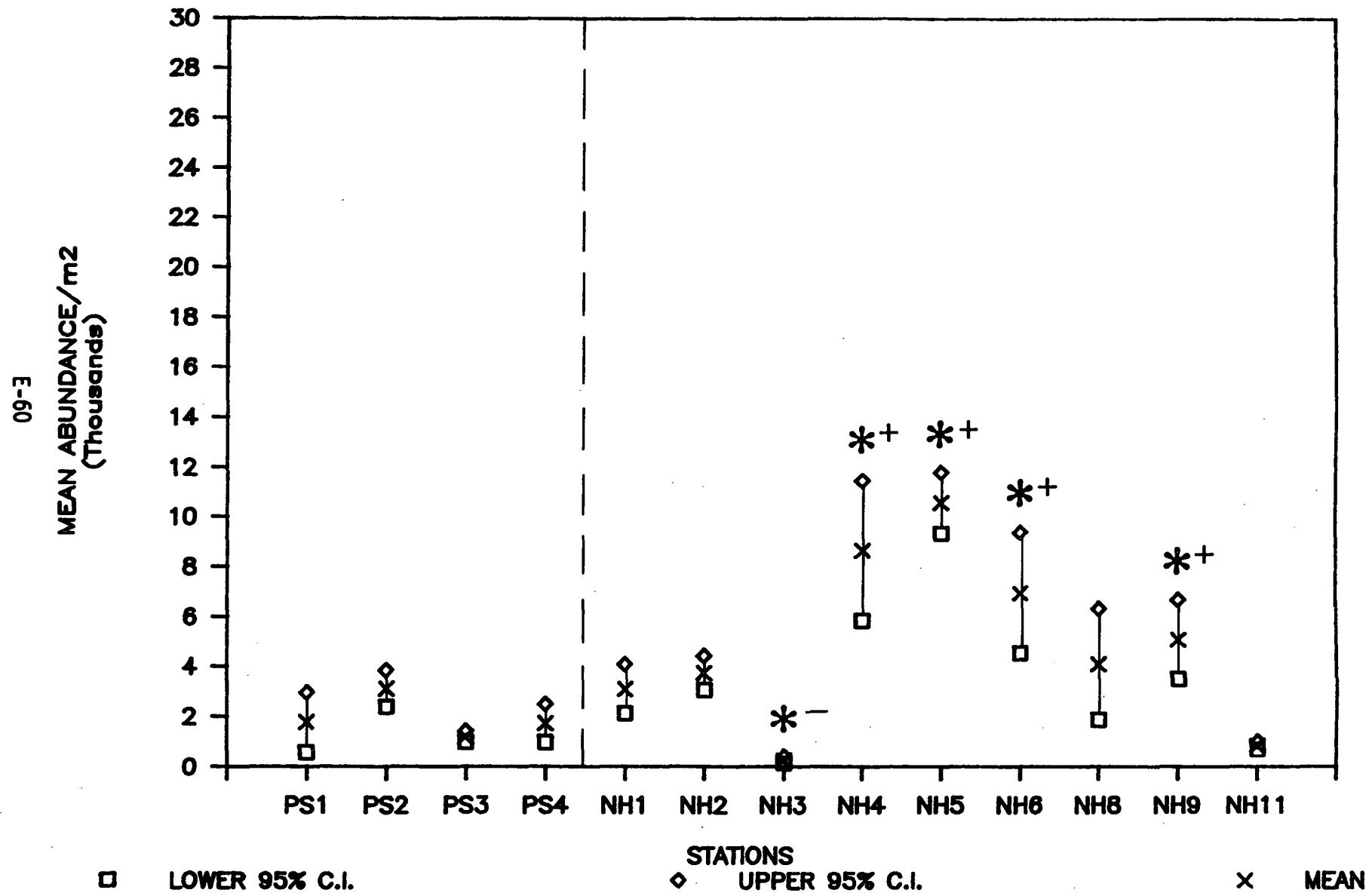
# TOTAL TAXA ABUNDANCE – ELLIOTT BAY 1985

NORTH HARBOR ISLAND



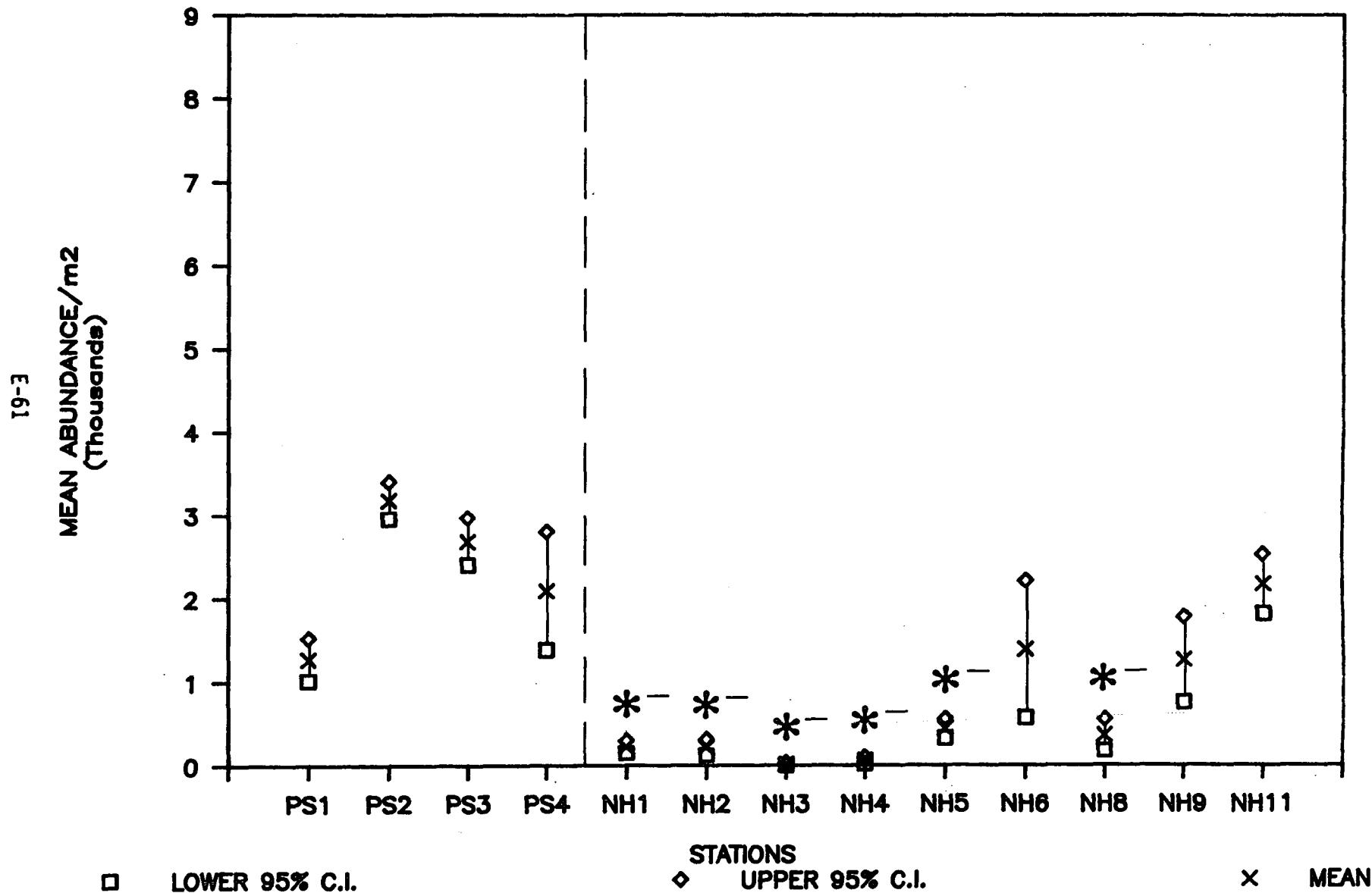
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NORTH HARBOR ISLAND

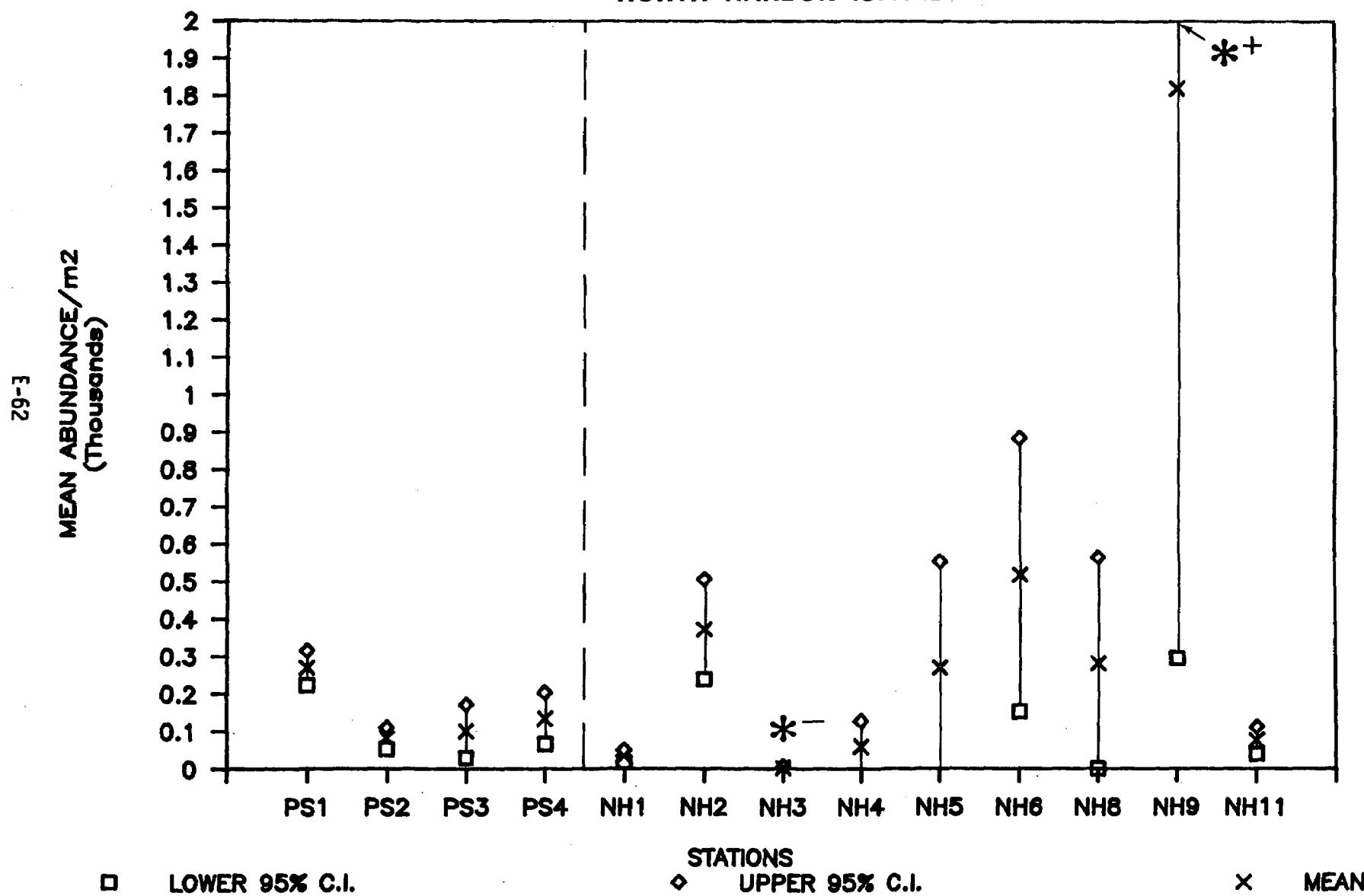


# PELECYPODA ABUNDANCE – ELLIOTT BAY 1985

NORTH HARBOR ISLAND

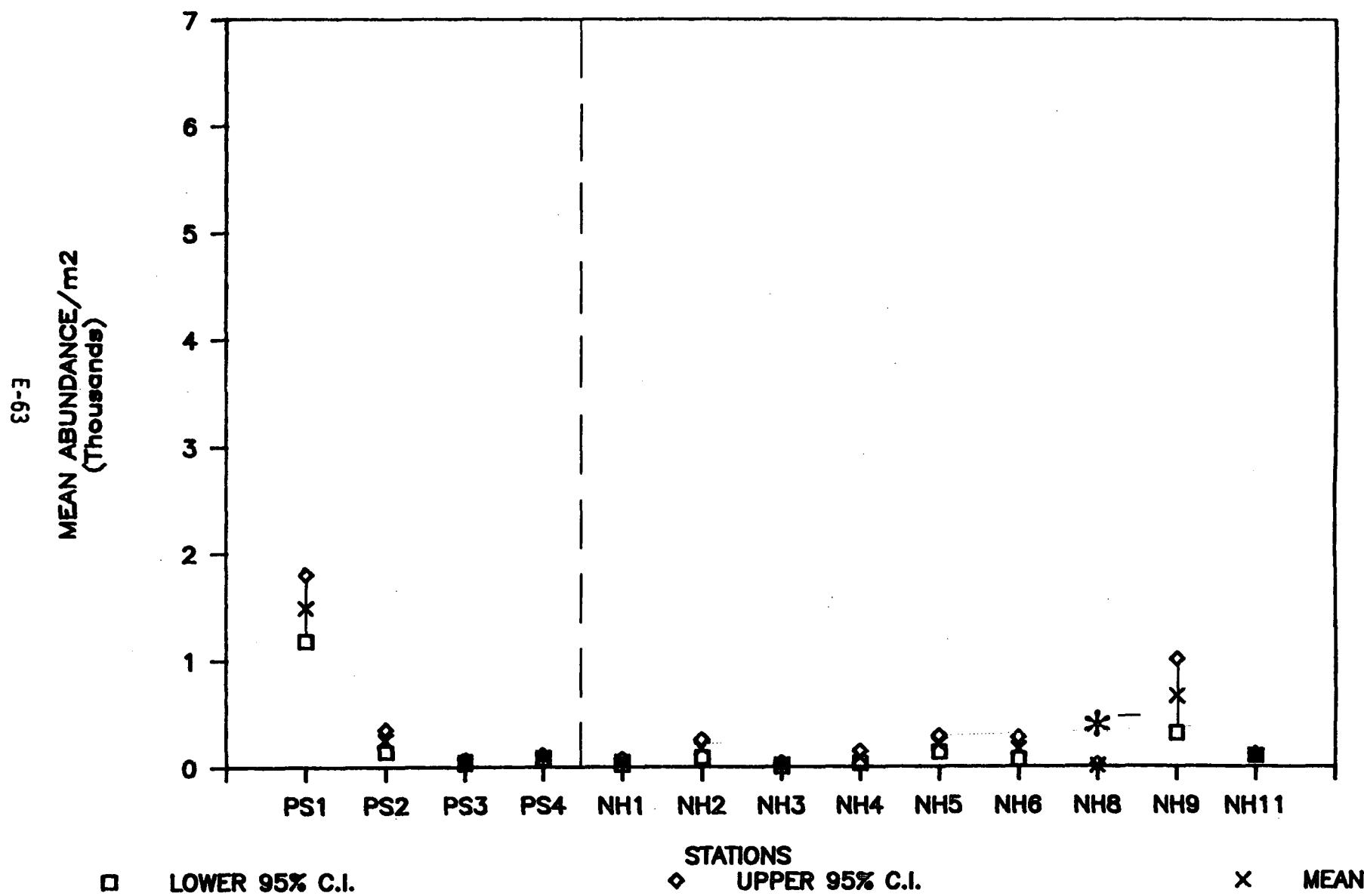


GASTROPODA ABUNDANCE - ELLIOTT BAY 1985  
NORTH HARBOR ISLAND



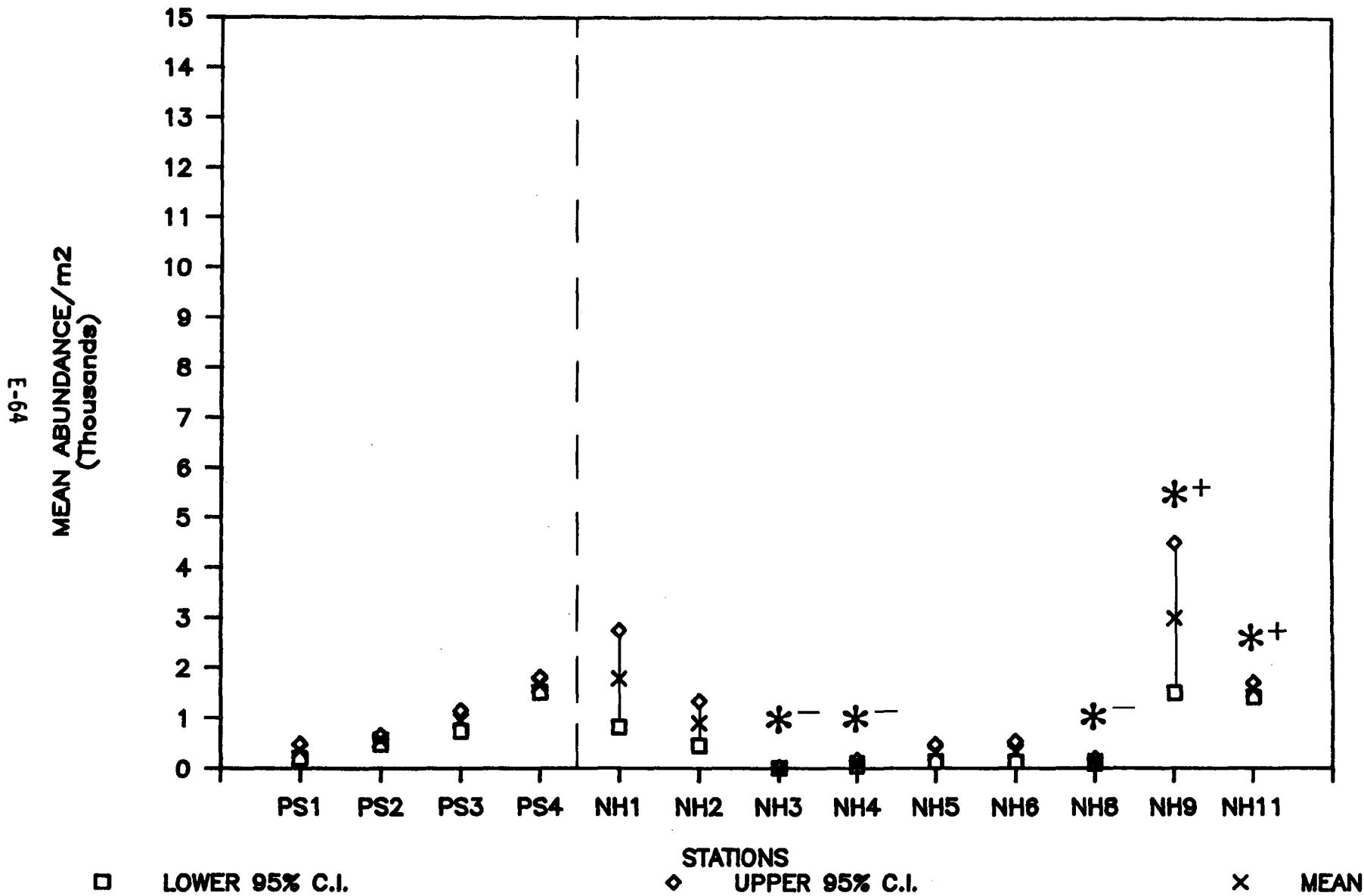
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NORTH HARBOR ISLAND



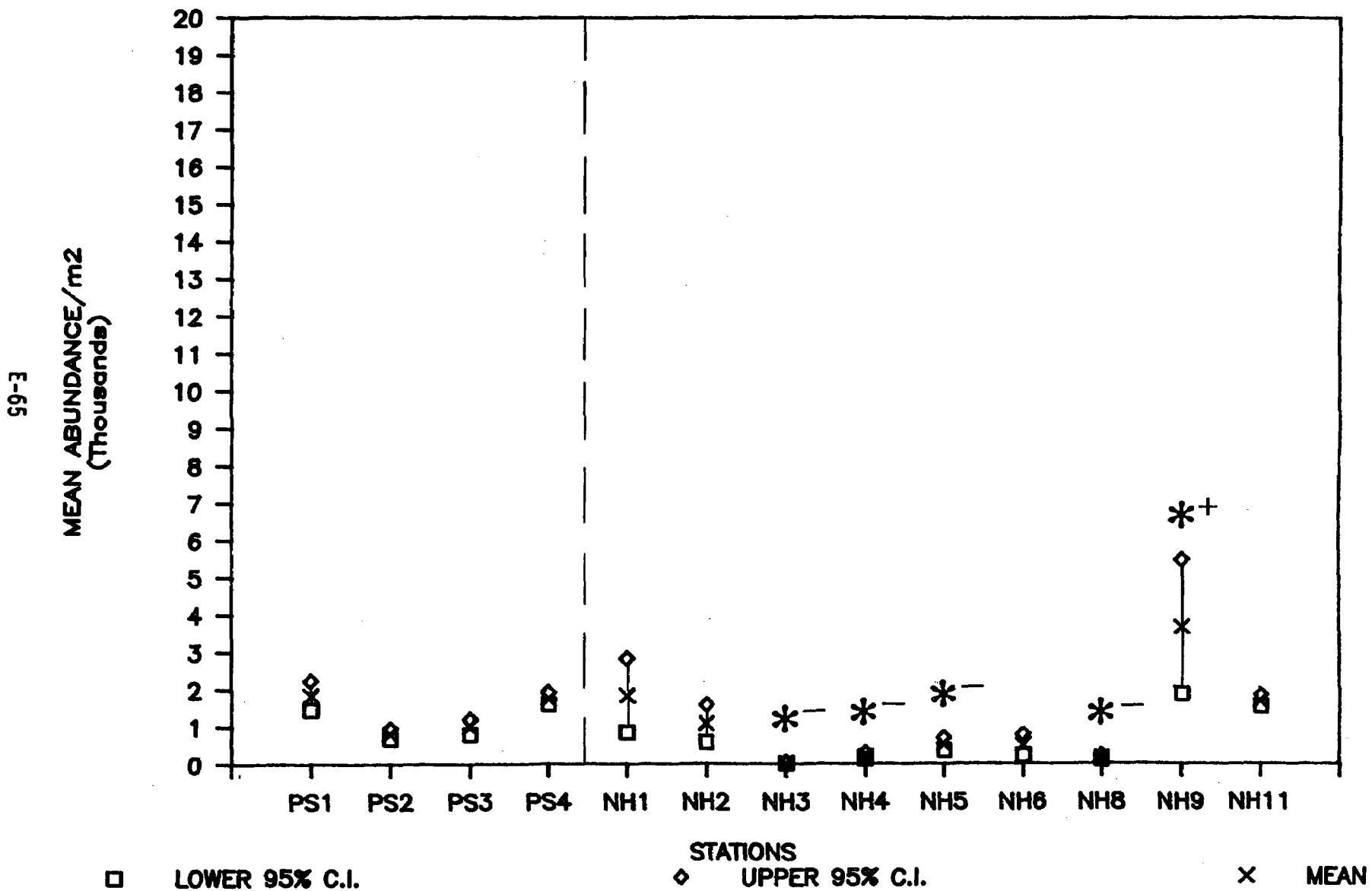
# O. CRUST. ABUNDANCE - ELLIOTT BAY 1985

NORTH HARBOR ISLAND



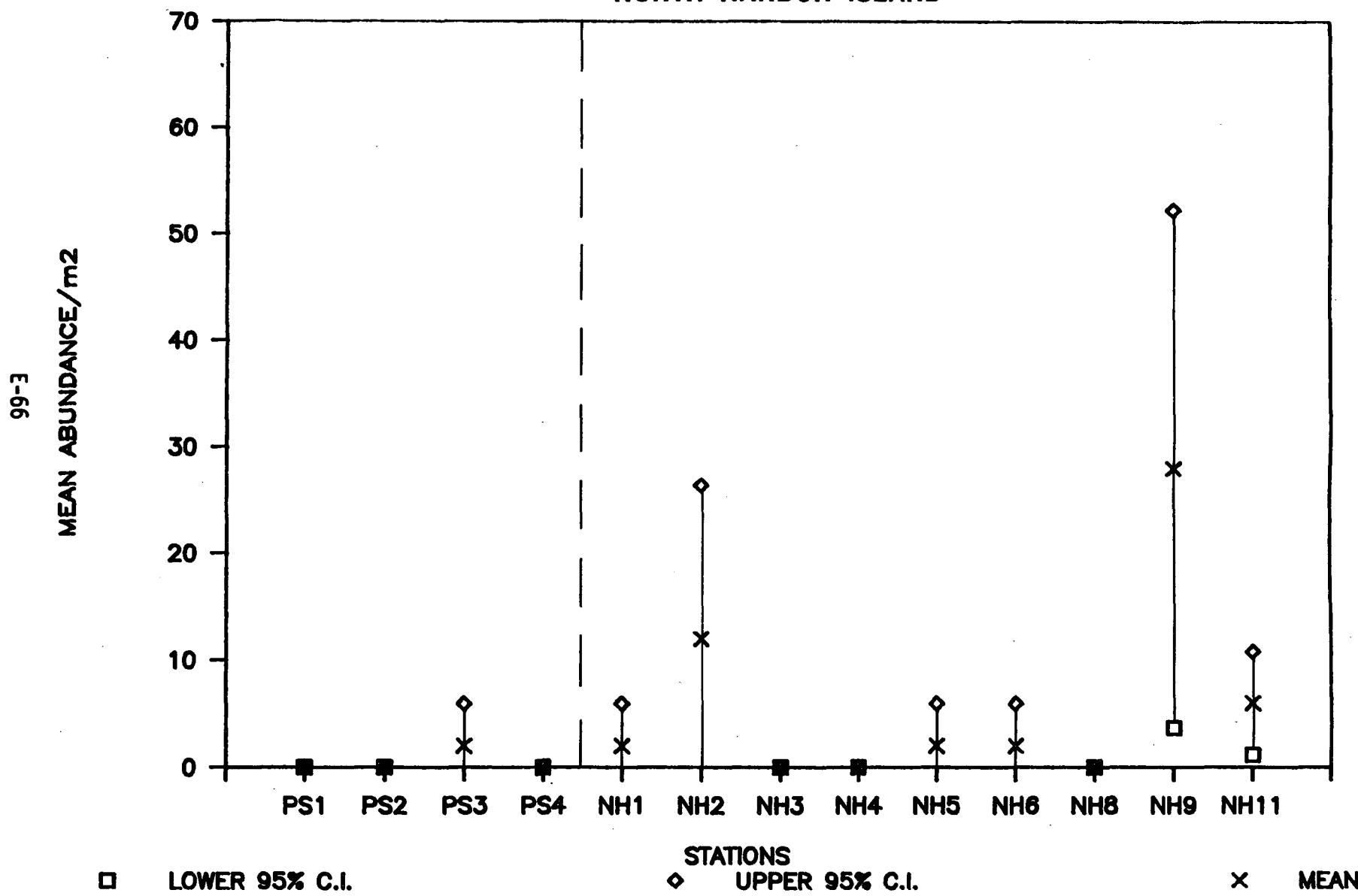
# TOT CRUST ABUNDANCE – ELLIOTT BAY 1985

NORTH HARBOR ISLAND

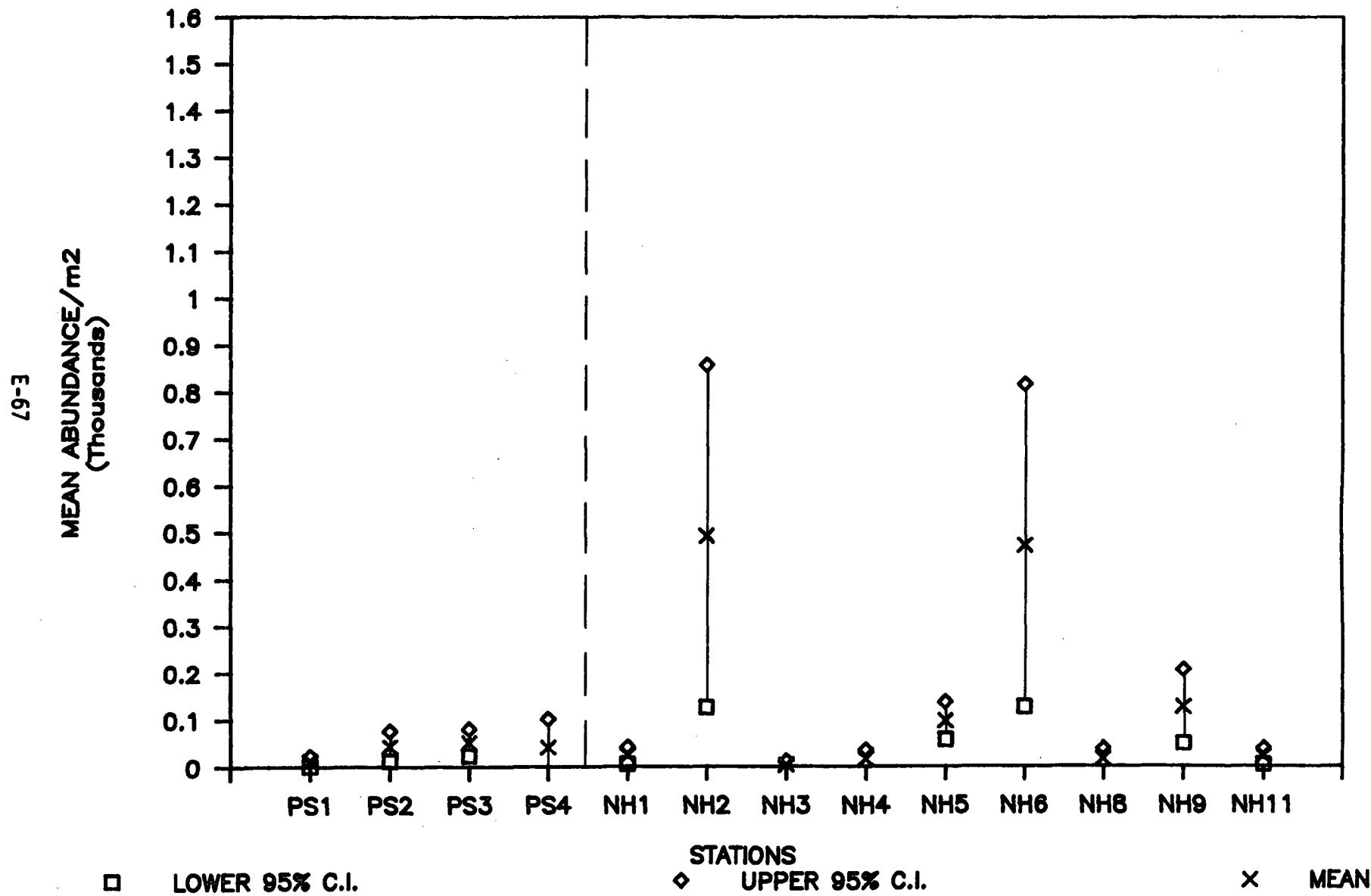


# ECHINODERM ABUNDANCE – ELLIOTT BAY 1985

## NORTH HARBOR ISLAND

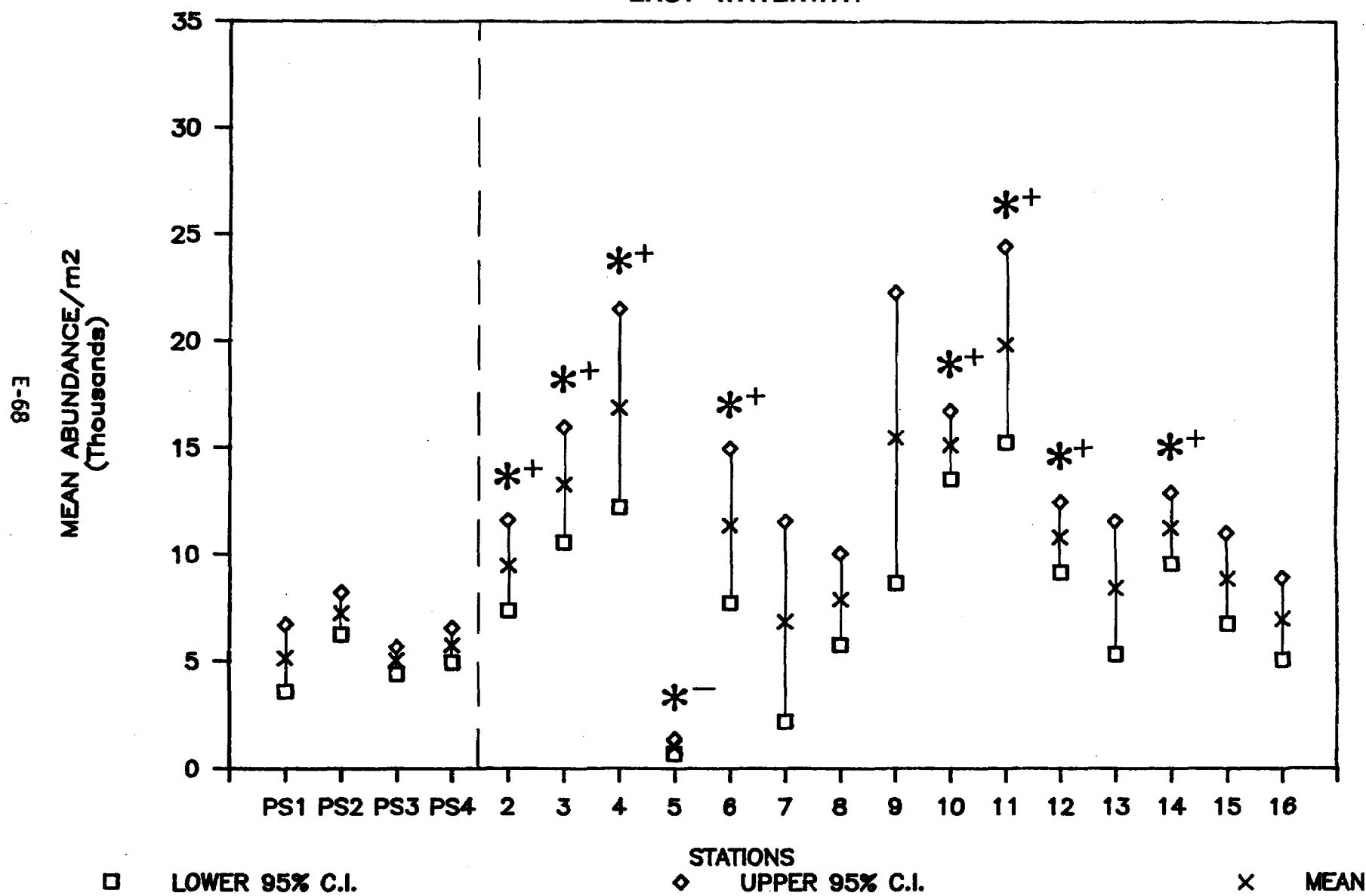


MISC TAXA ABUNDANCE – ELLIOTT BAY 1985  
 NORTH HARBOR ISLAND



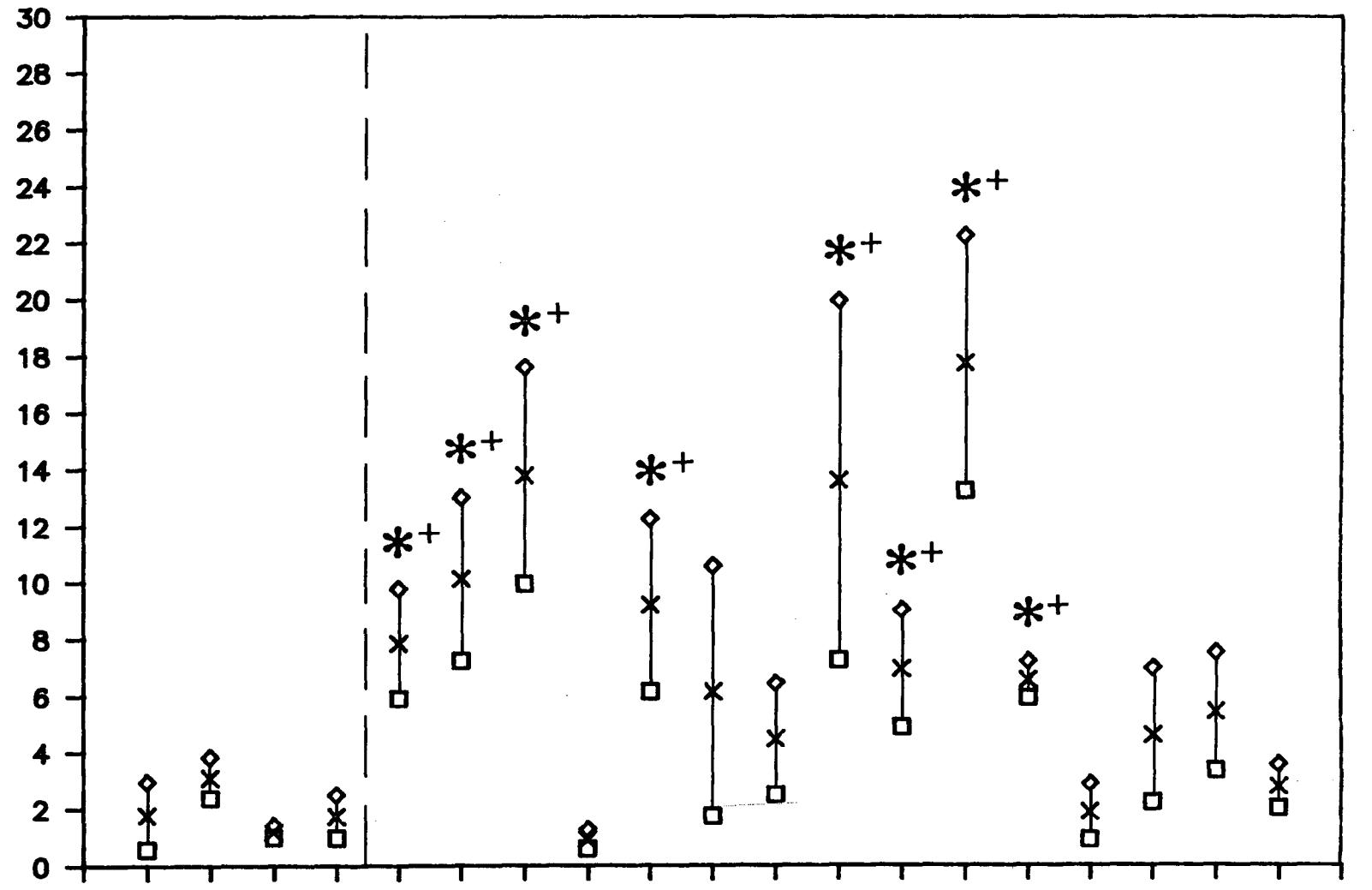
# TOTAL TAXA ABUNDANCE – ELLIOTT BAY 1985

## EAST WATERWAY



POLYCHAETE ABUNDANCE – ELLIOTT BAY 1985  
EAST WATERWAY

69-3  
MEAN ABUNDANCE / m<sup>2</sup>  
(Thousands)



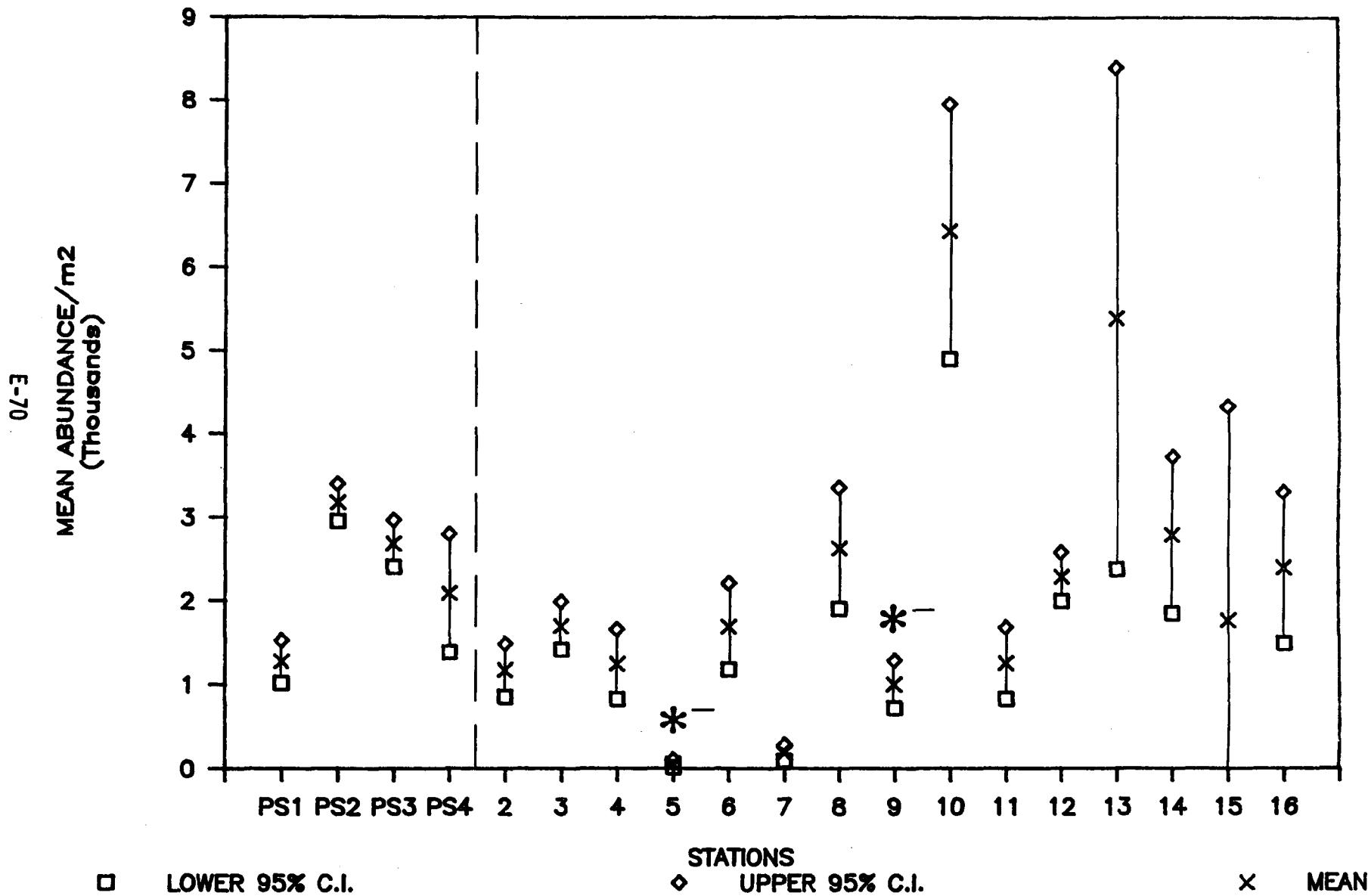
□ LOWER 95% C.I.

◊ UPPER 95% C.I.

× MEAN

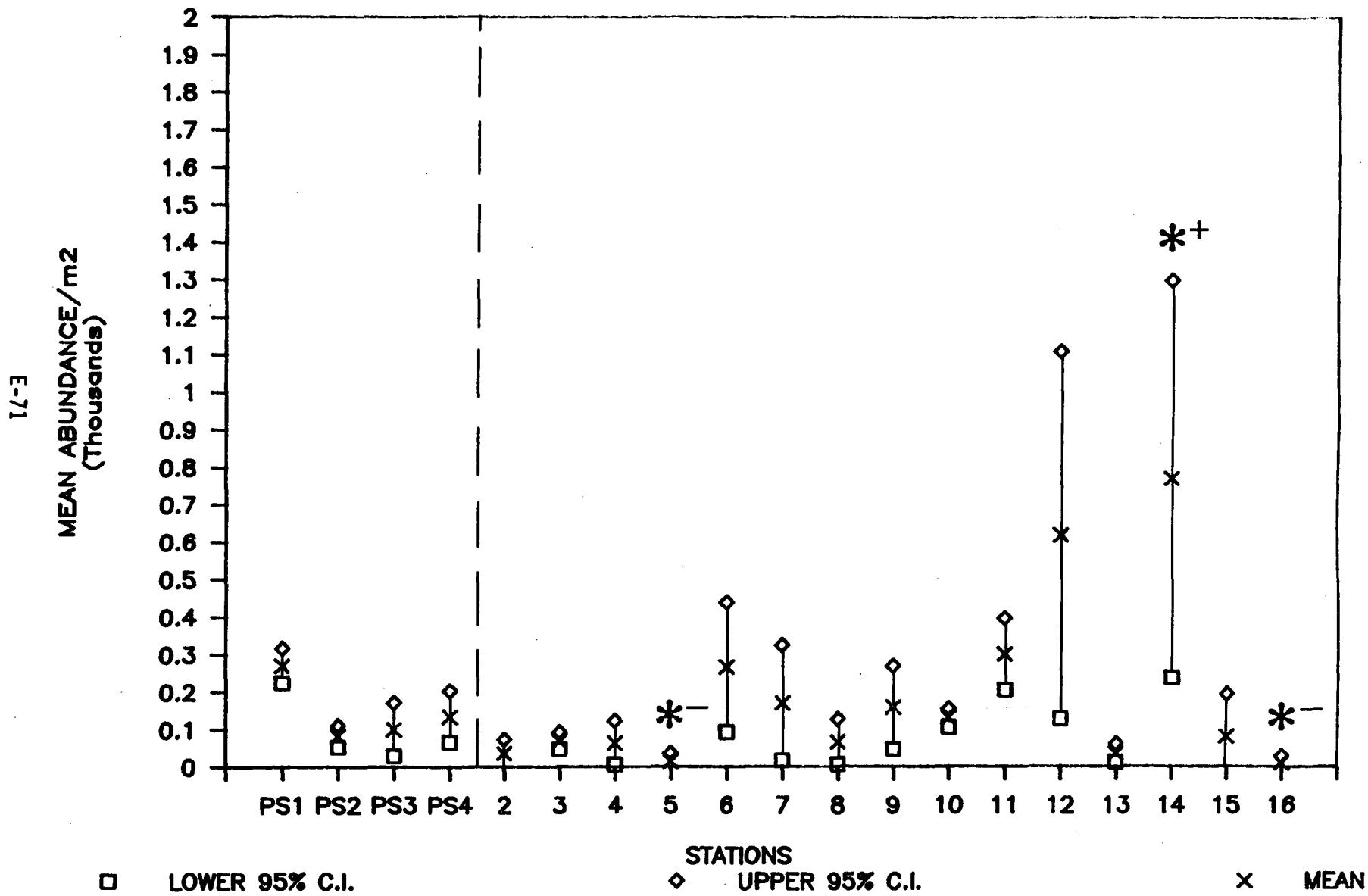
# PELECYPODA ABUNDANCE – ELLIOTT BAY 1985

## EAST WATERWAY



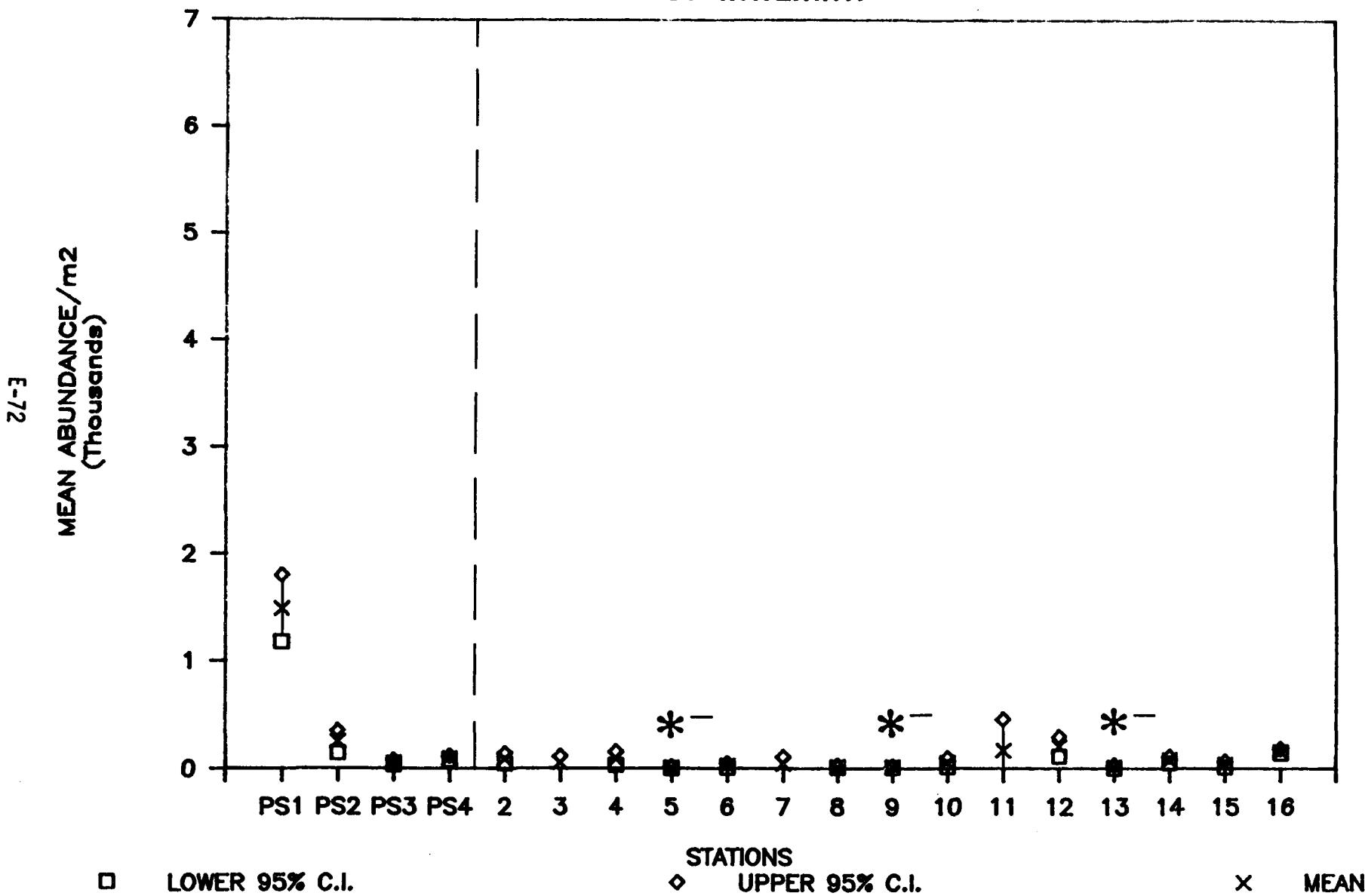
# GASTROPODA ABUNDANCE – ELLIOTT BAY 1985

## EAST WATERWAY

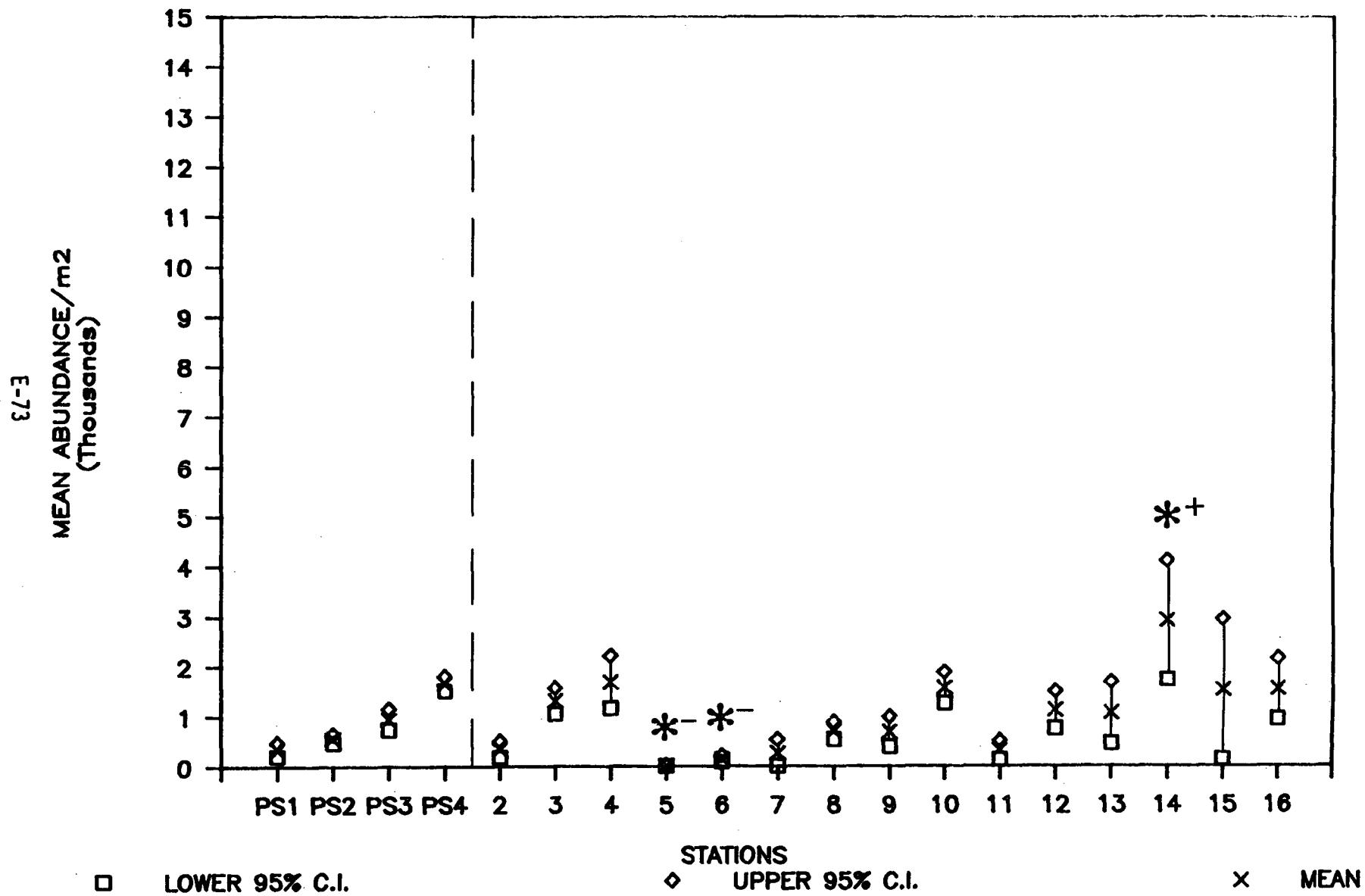


# AMPHIPODA ABUNDANCE – ELLIOTT BAY 1985

## EAST WATERWAY

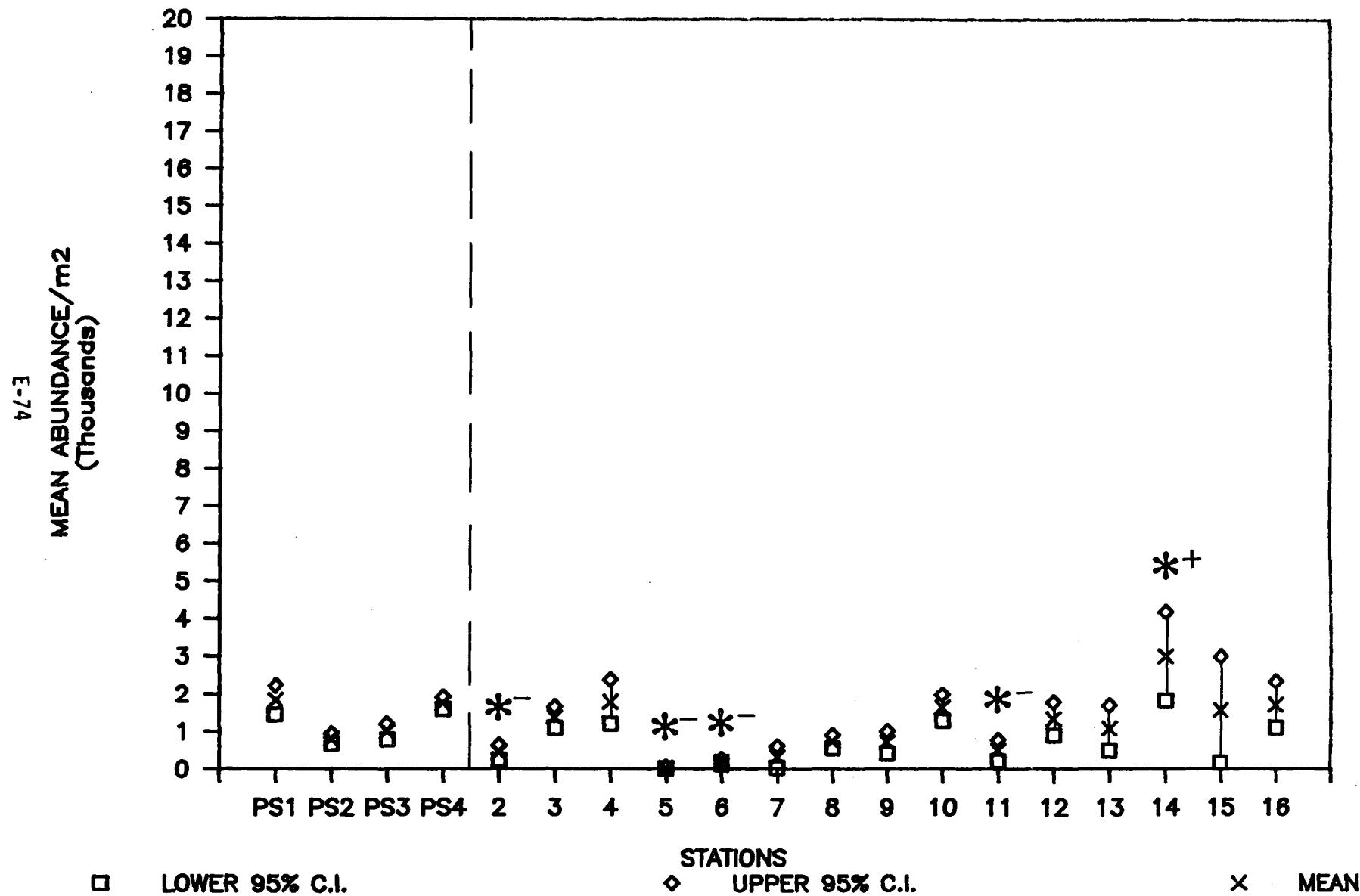


O. CRUST. ABUNDANCE - ELLIOTT BAY 1985  
EAST WATERWAY



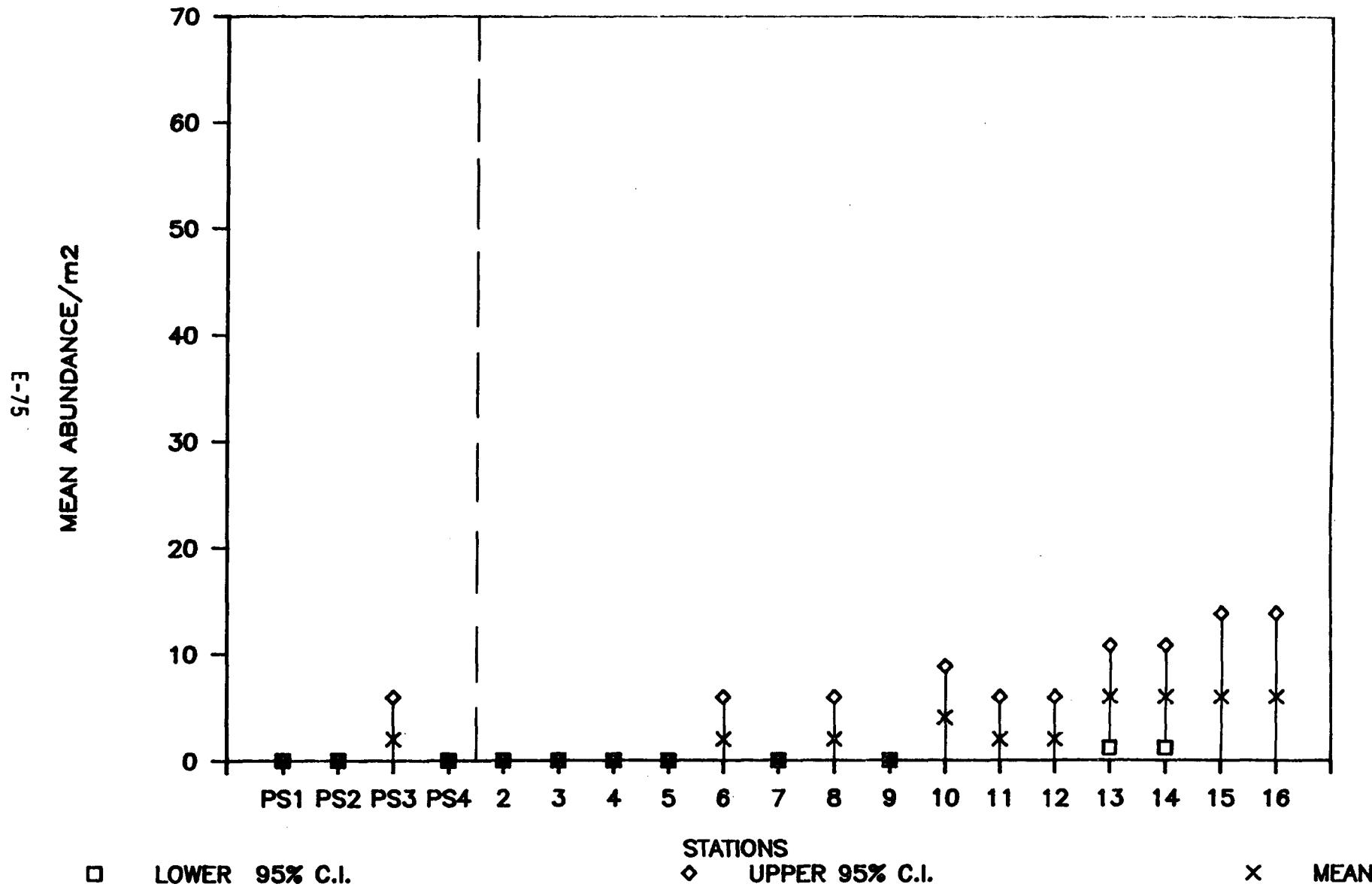
# TOT CRUST ABUNDANCE - ELLIOTT BAY 1985

## EAST WATERWAY



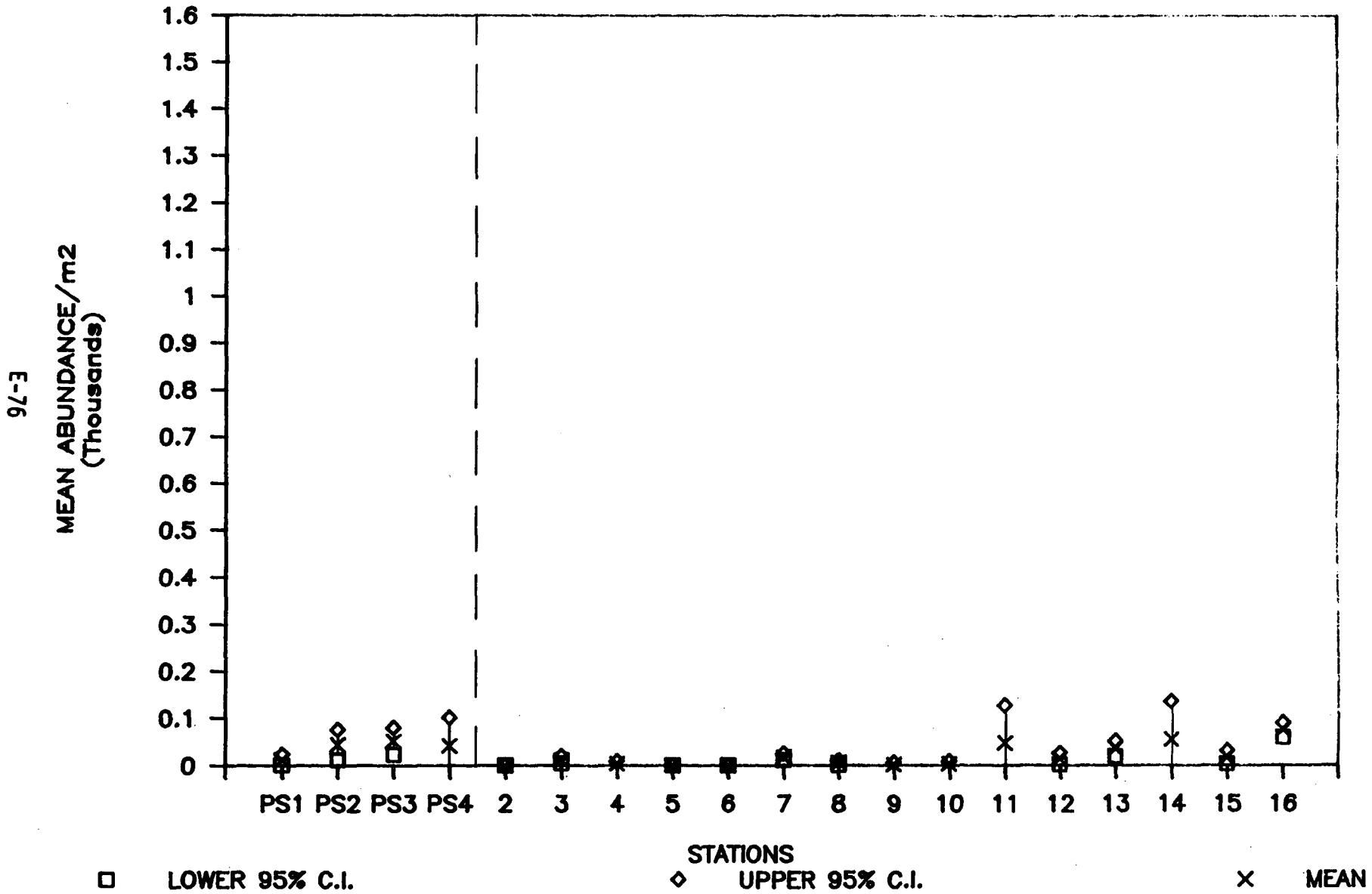
# ECHINODERM ABUNDANCE – ELLIOTT BAY 1985

## EAST WATERWAY



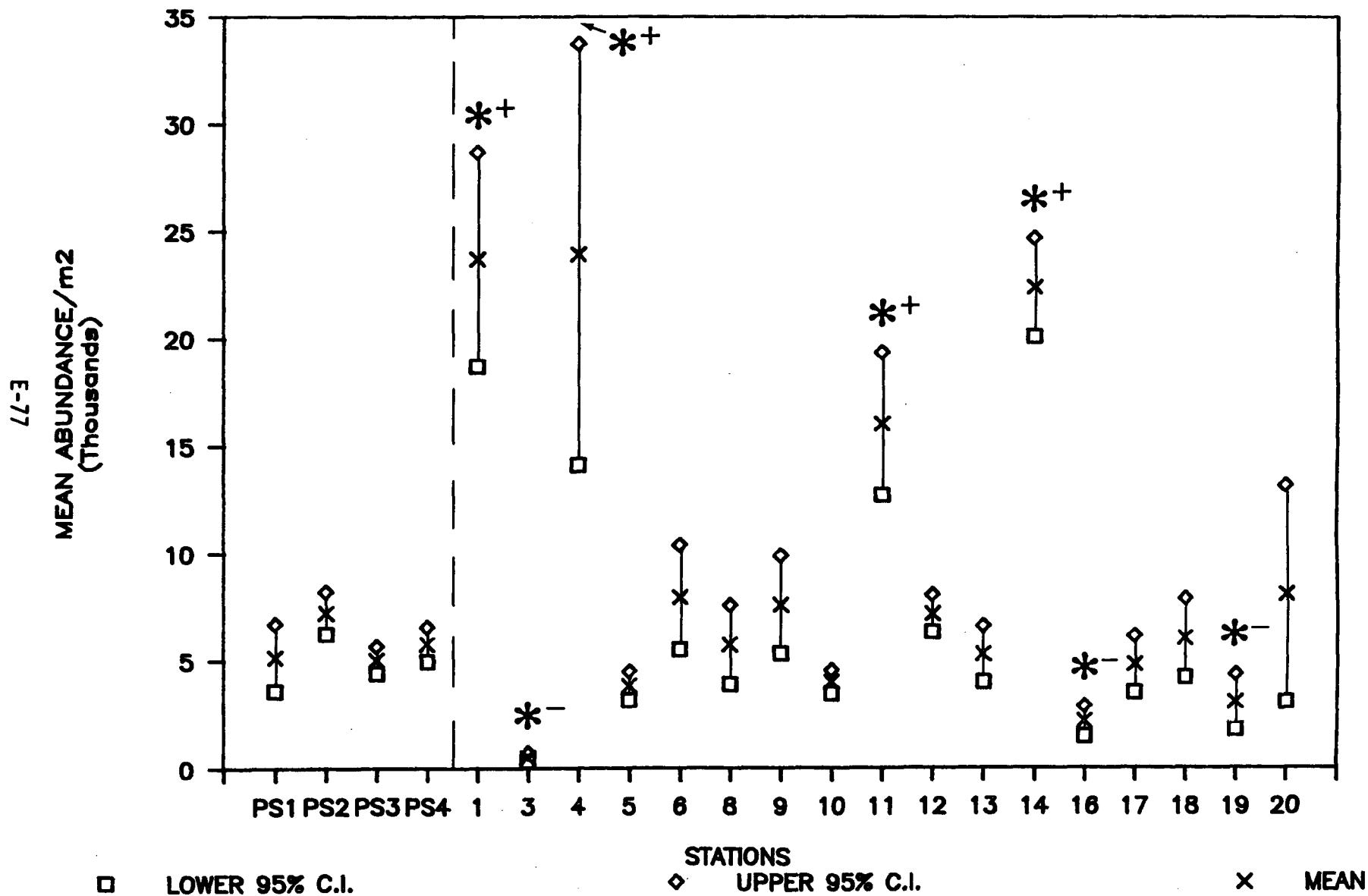
# MISC TAXA ABUNDANCE – ELLIOTT BAY 1985

## EAST WATERWAY



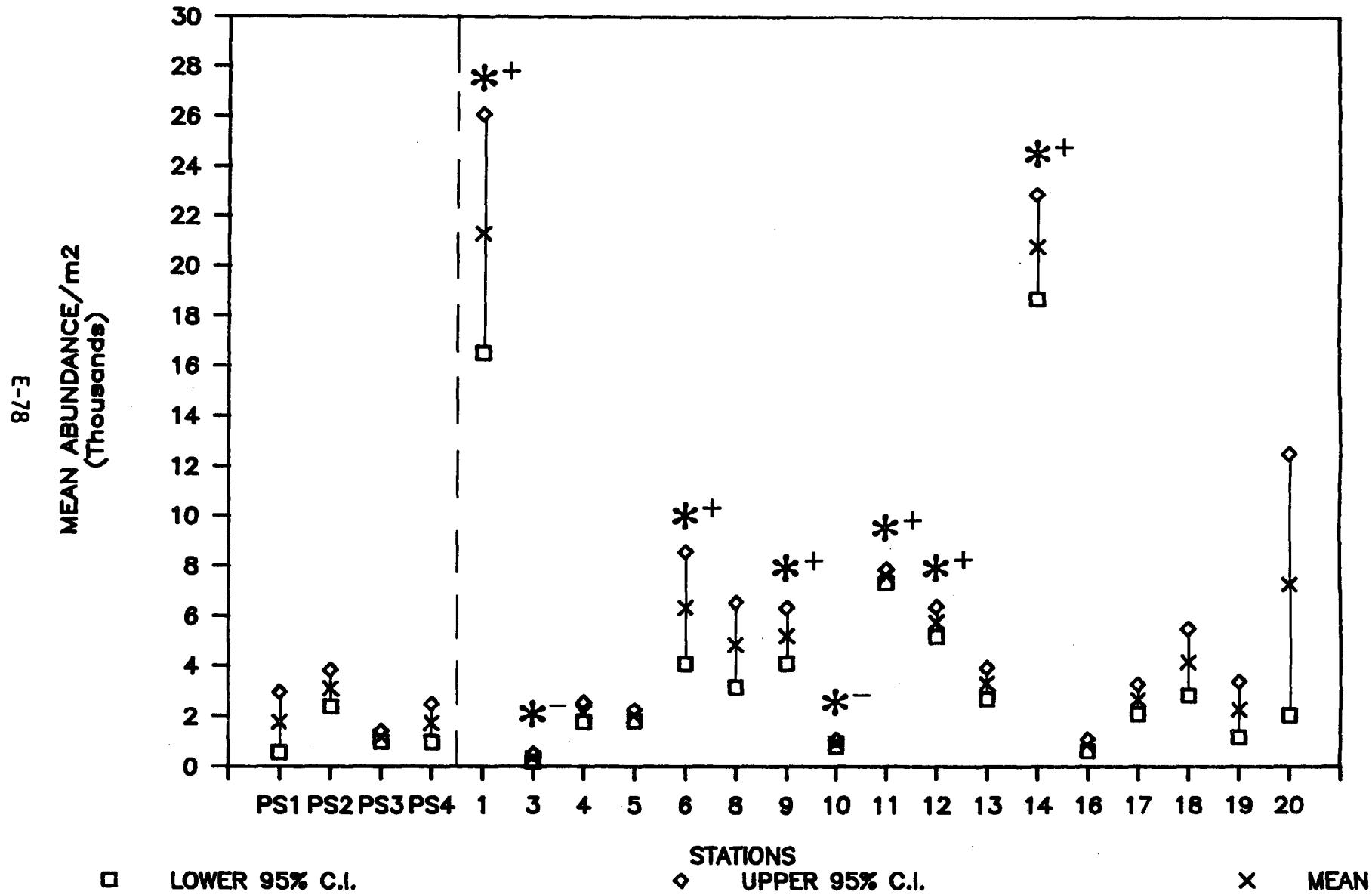
# TOTAL TAXA ABUNDANCE – ELLIOTT BAY 1985

WEST WATERWAY



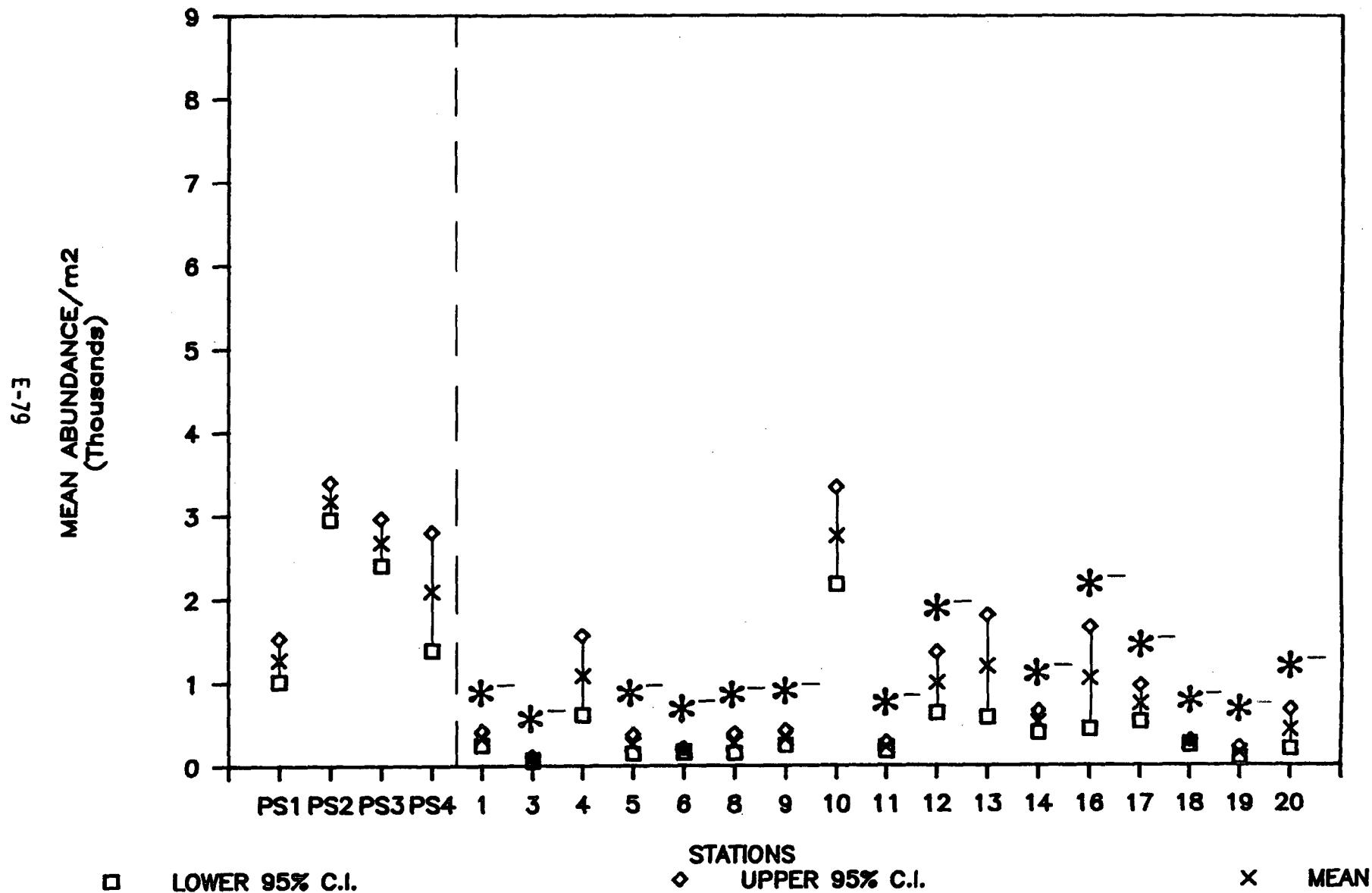
# POLYCHAETE ABUNDANCE – ELLIOTT BAY 1985

WEST WATERWAY



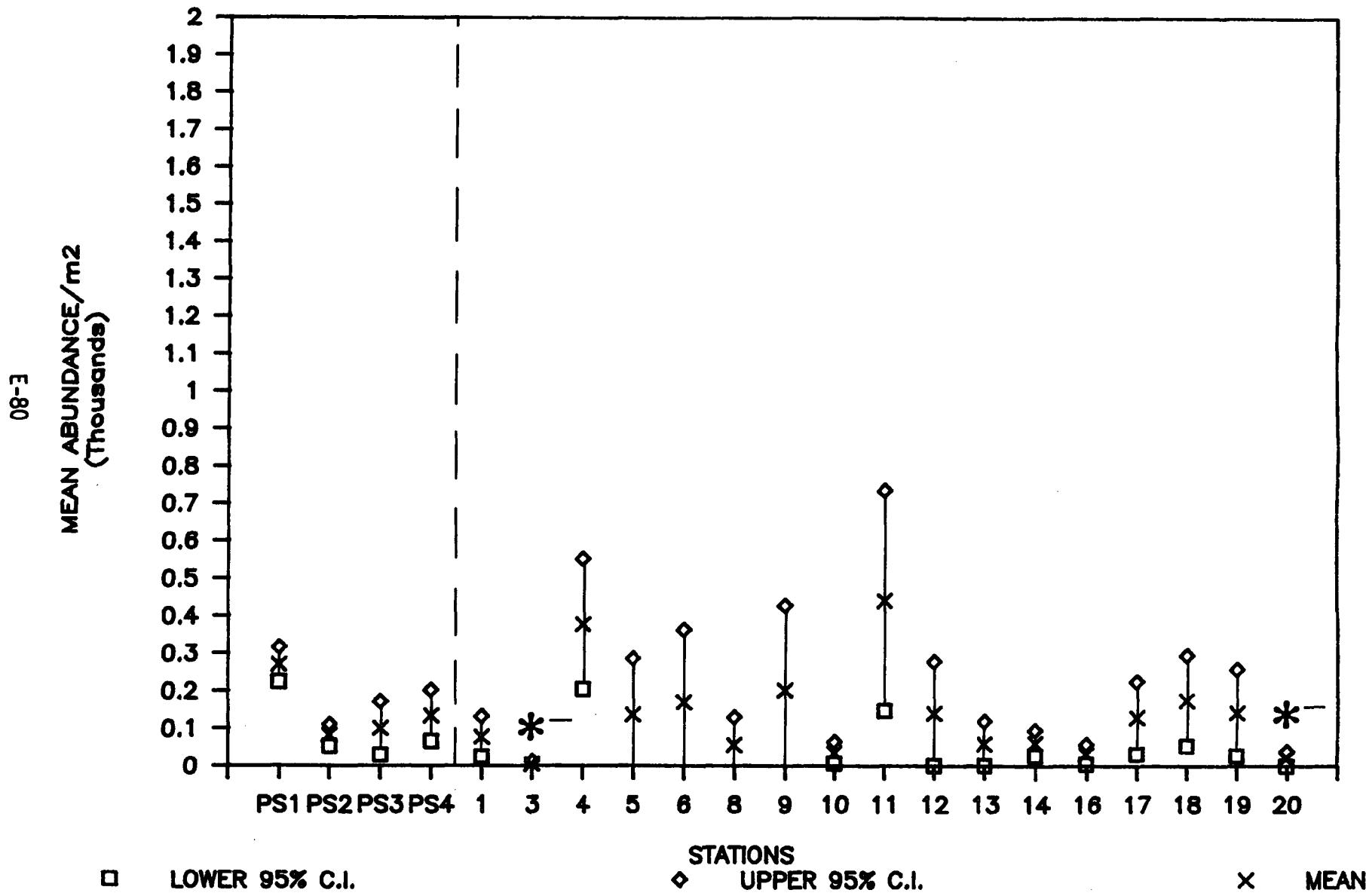
# PELECYPODA ABUNDANCE – ELLIOTT BAY 1985

## WEST WATERWAY



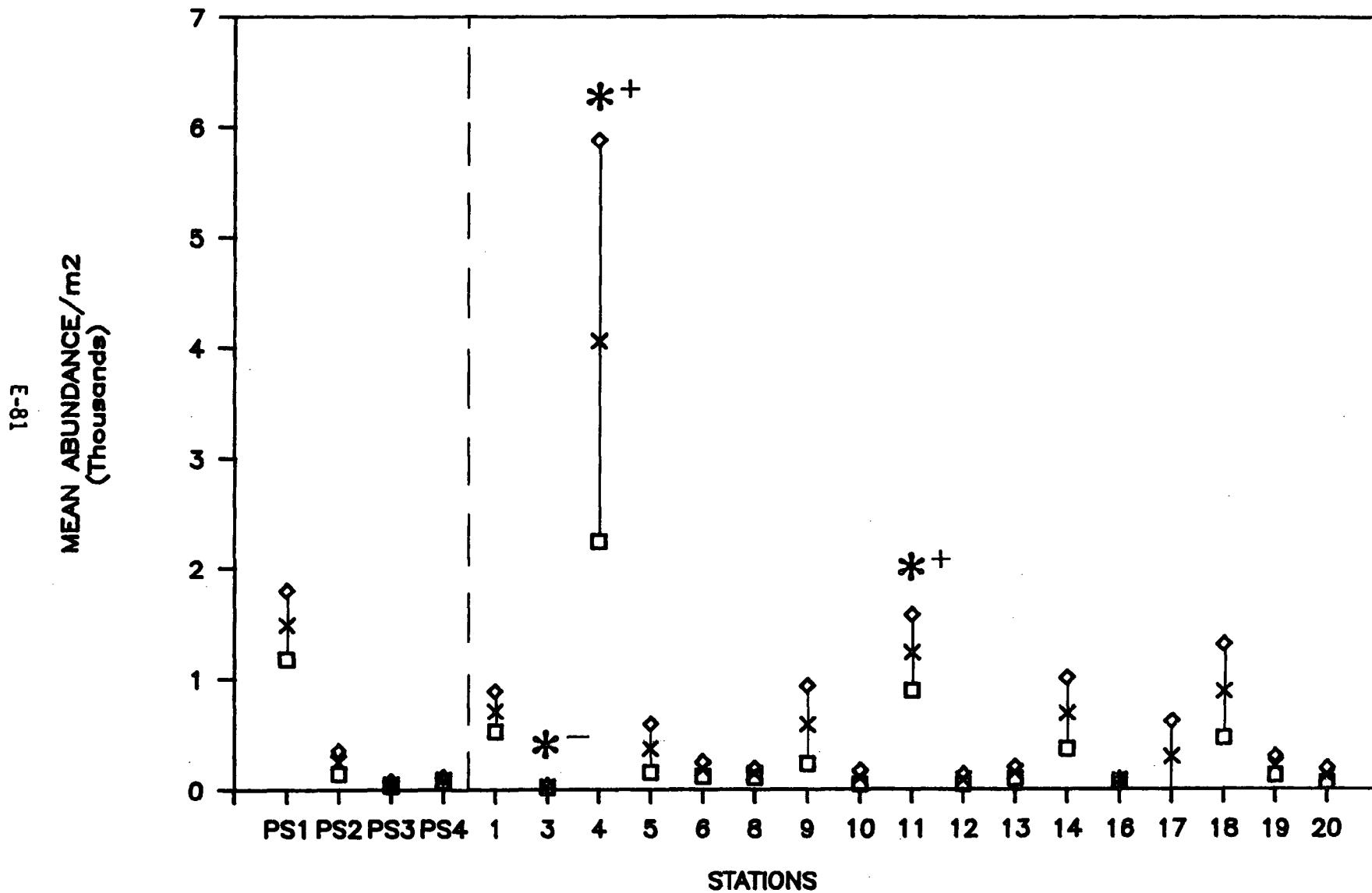
# GASTROPODA ABUNDANCE – ELLIOTT BAY 1985

## WEST WATERWAY



# AMPHIPODA ABUNDANCE – ELLIOTT BAY 1985

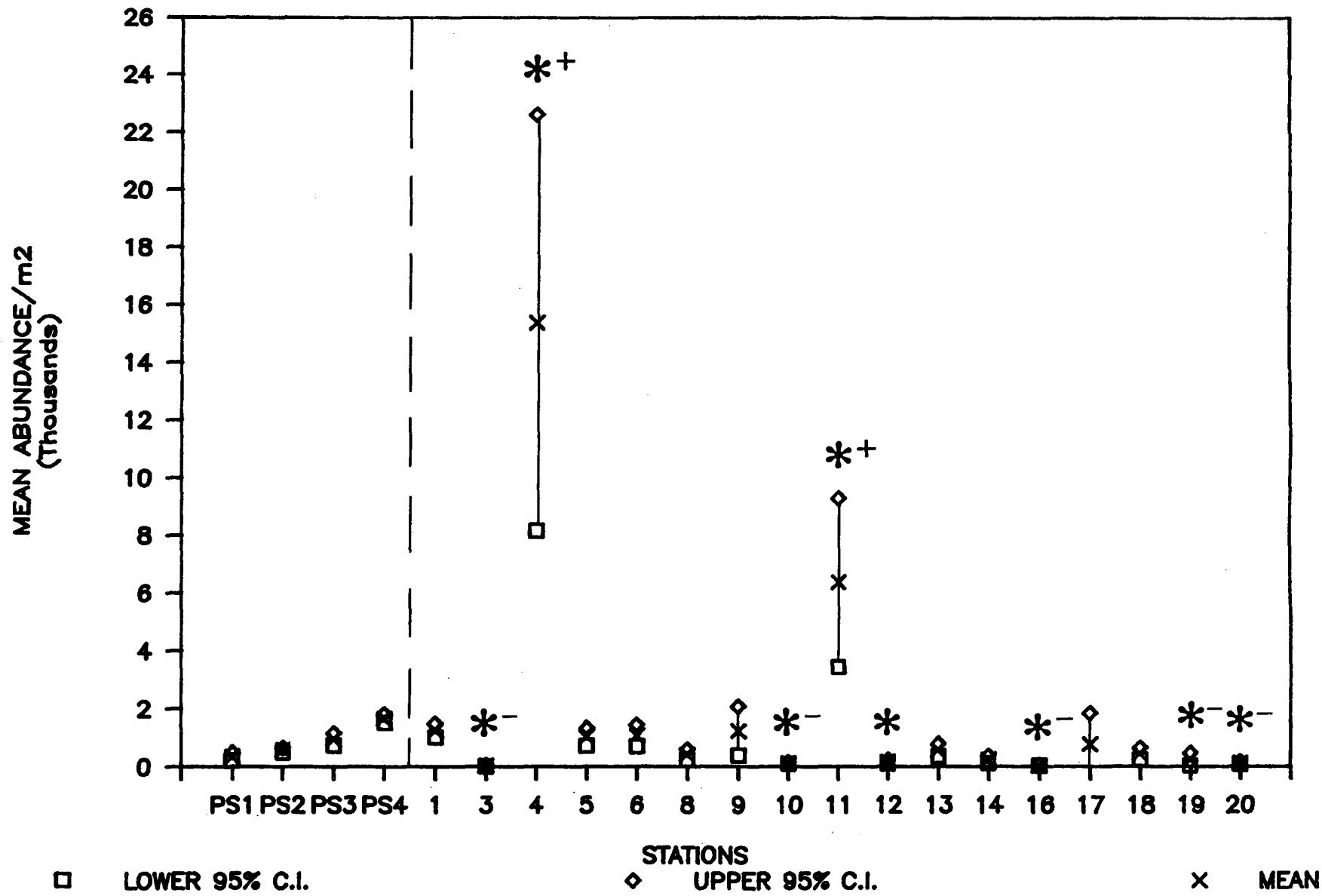
WEST WATERWAY



# O. CRUST. ABUNDANCE – ELLIOTT BAY 1985

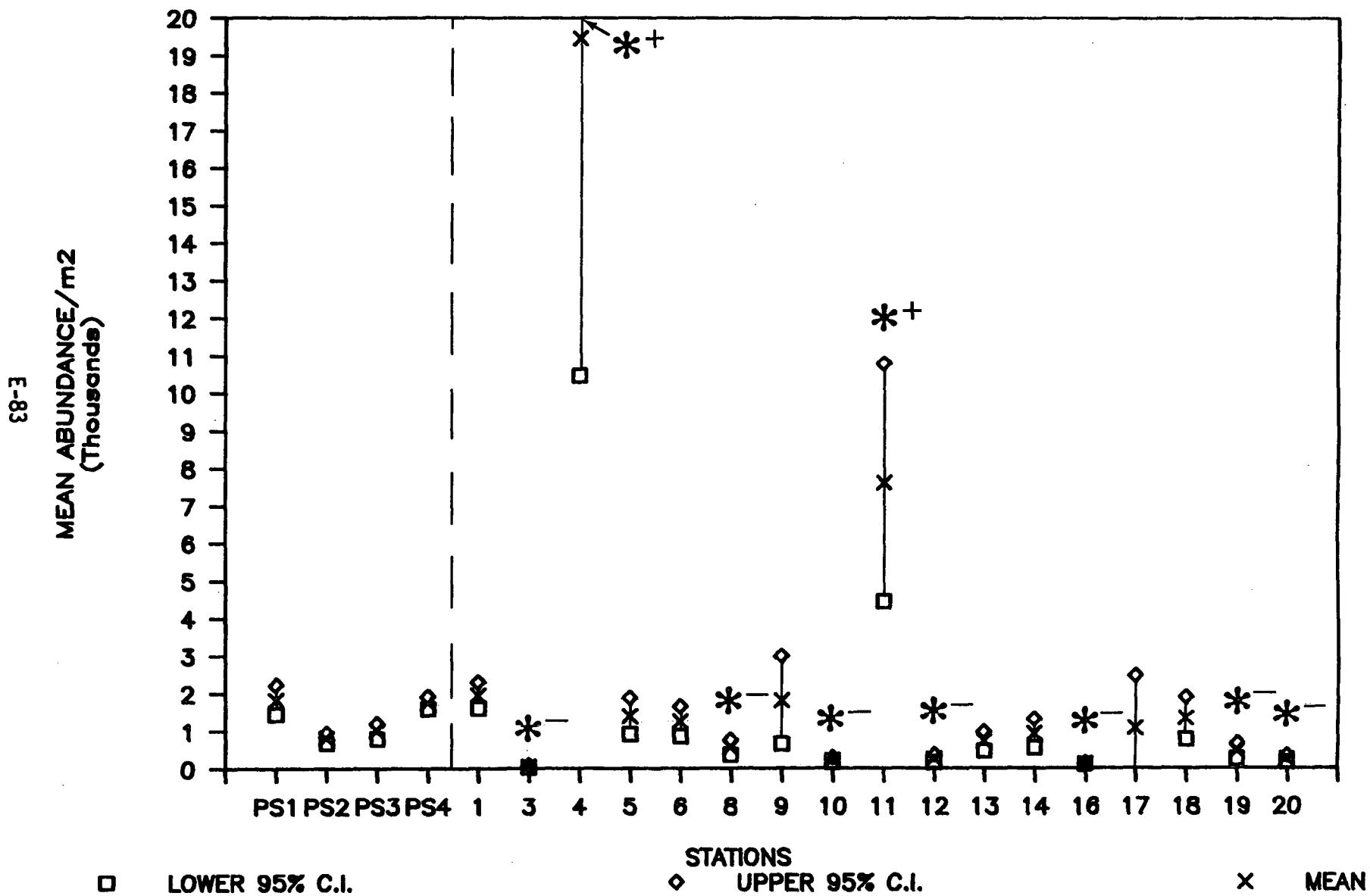
WEST WATERWAY

E-82



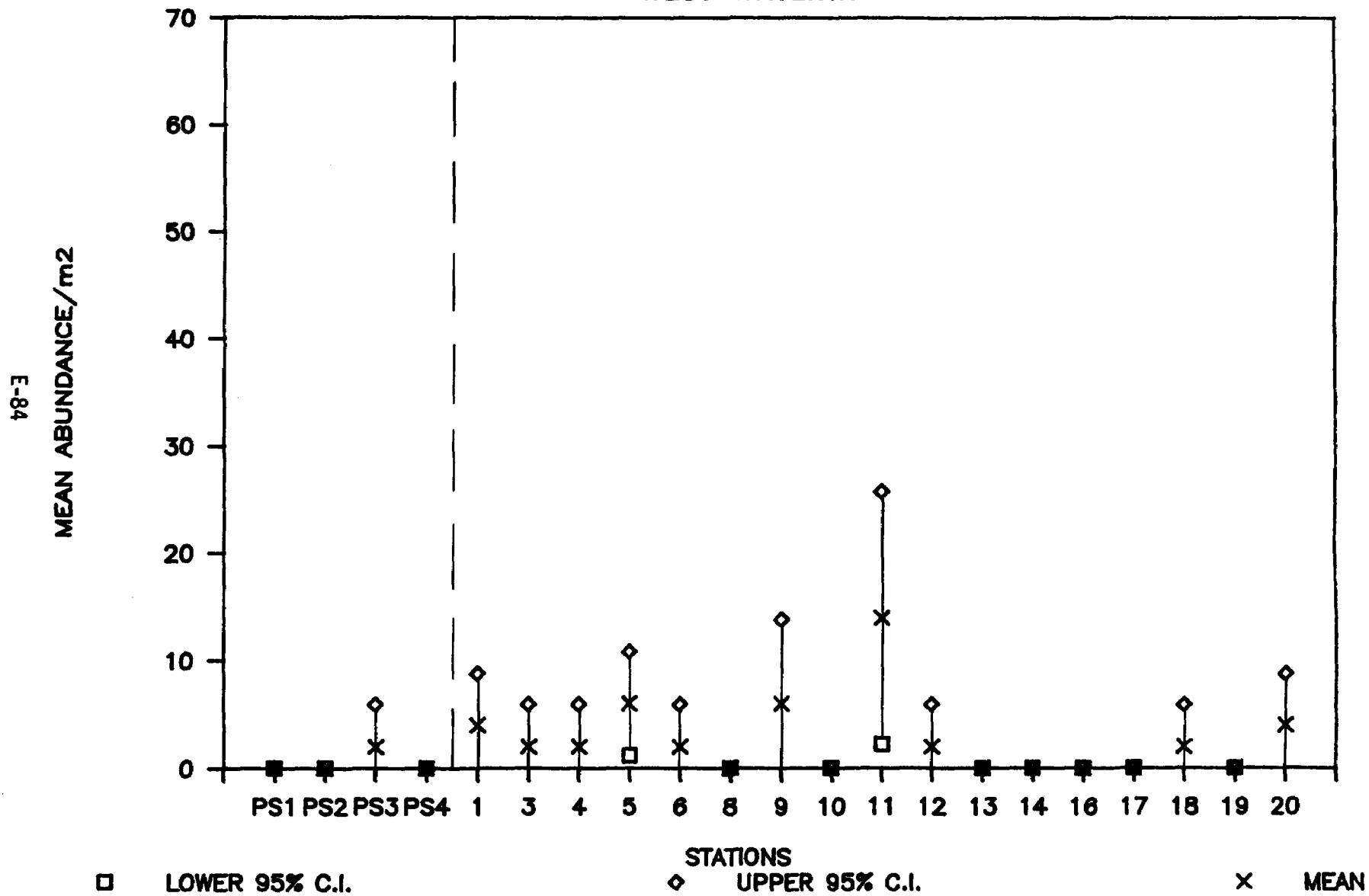
# TOT CRUST ABUNDANCE - ELLIOTT BAY 1985

WEST WATERWAY



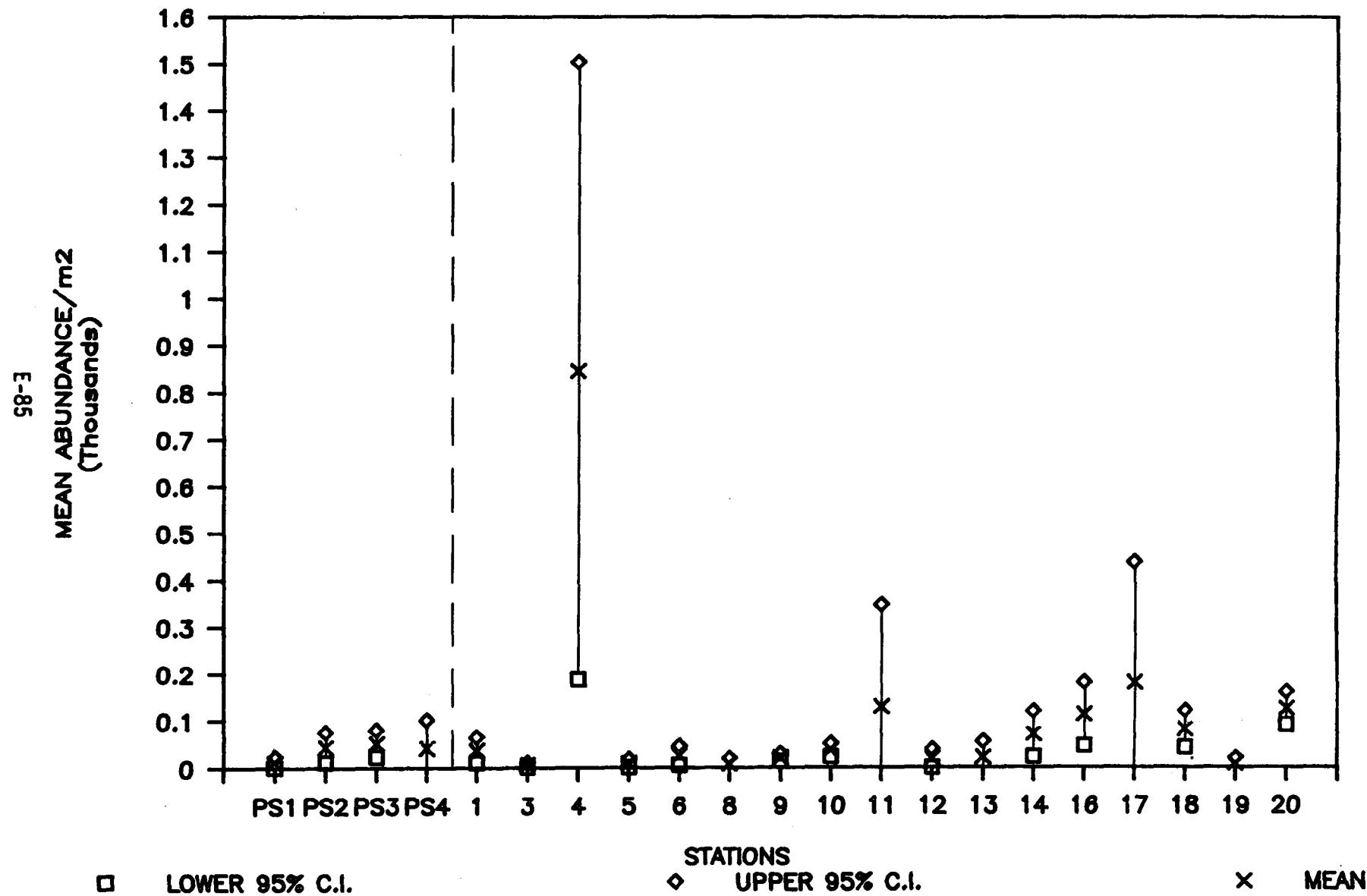
# ECHINODERM ABUNDANCE - ELLIOTT BAY 1985

## WEST WATERWAY



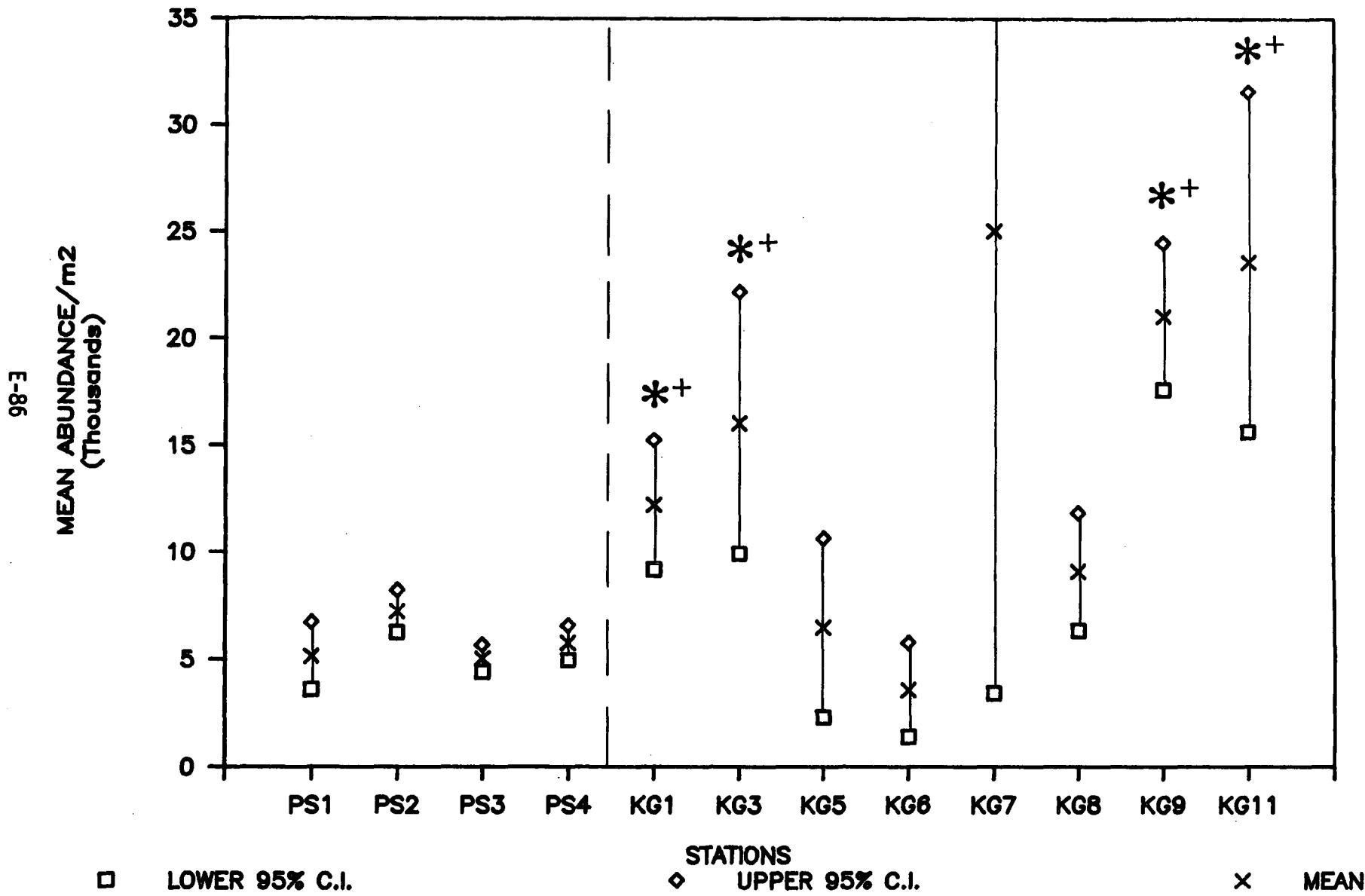
# MISC TAXA ABUNDANCE – ELLIOTT BAY 1985

WEST WATERWAY



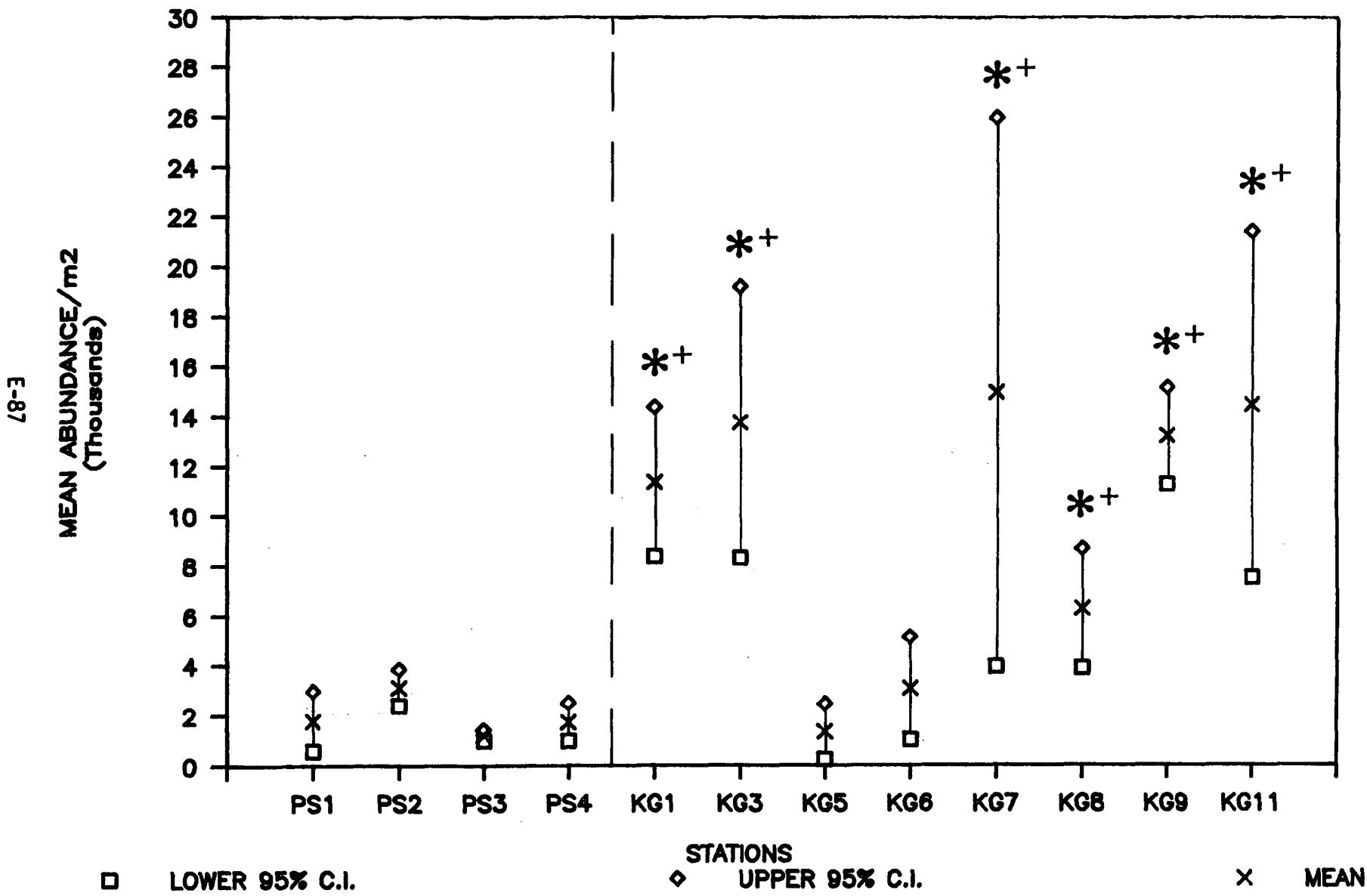
# TOTAL TAXA ABUNDANCE – ELLIOTT BAY 1985

KELLOGG ISLAND



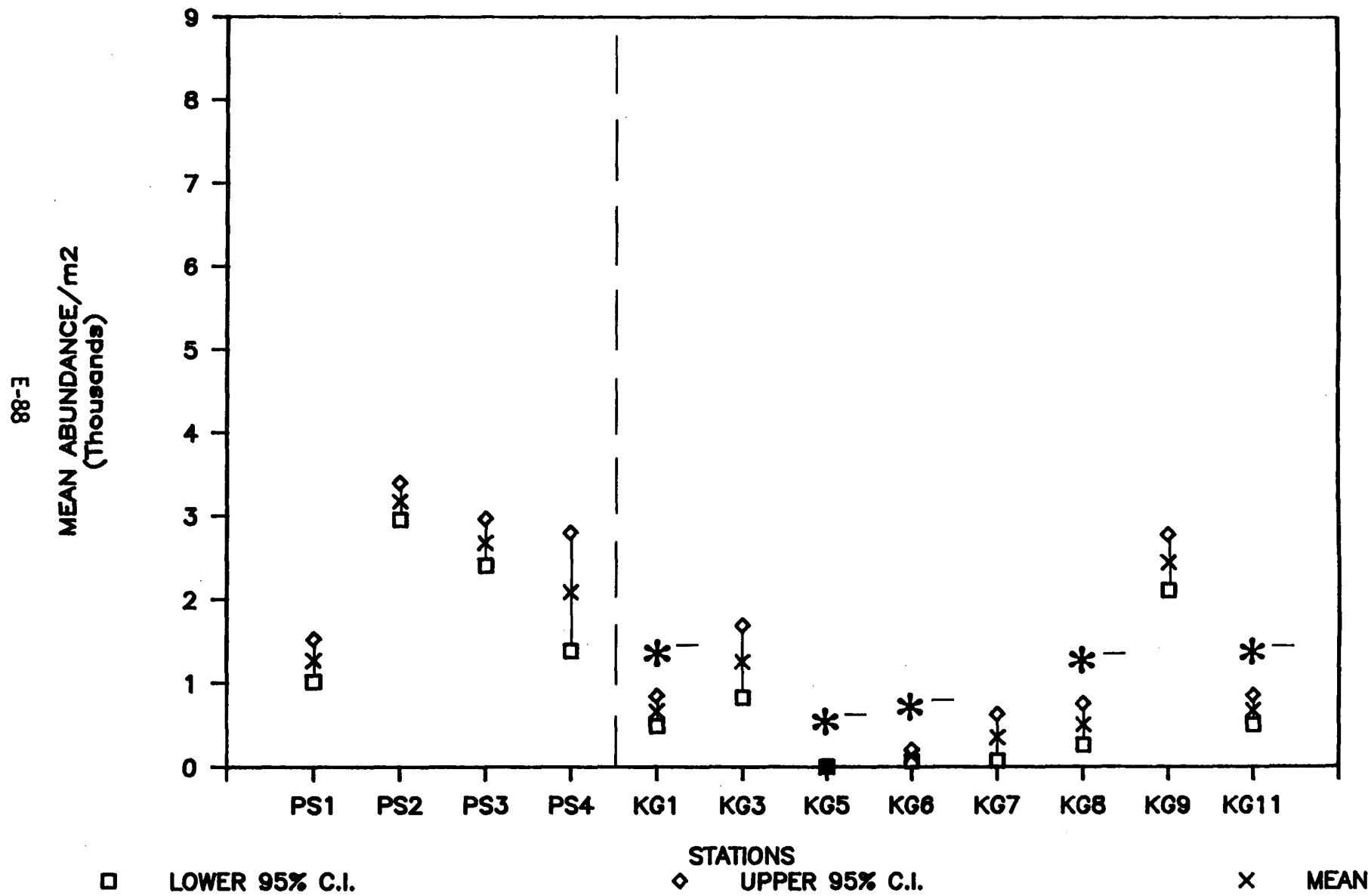
# POLYCHAETE ABUNDANCE - ELLIOTT BAY 1985

KELLOGG ISLAND



# PELECYPODA ABUNDANCE – ELLIOTT BAY 1985

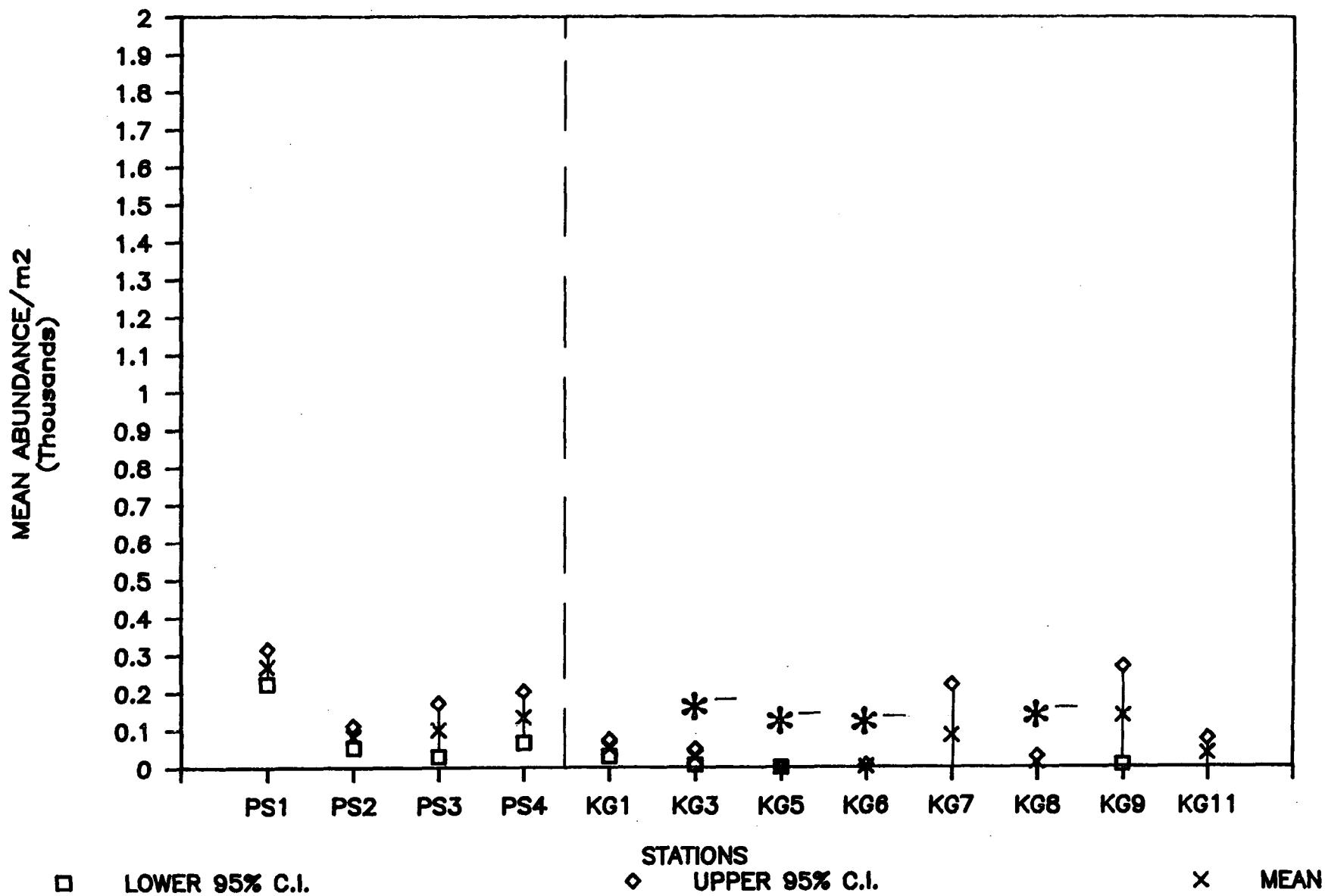
## KELLOGG ISLAND



# GASTROPODA ABUNDANCE — ELLIOTT BAY 1985

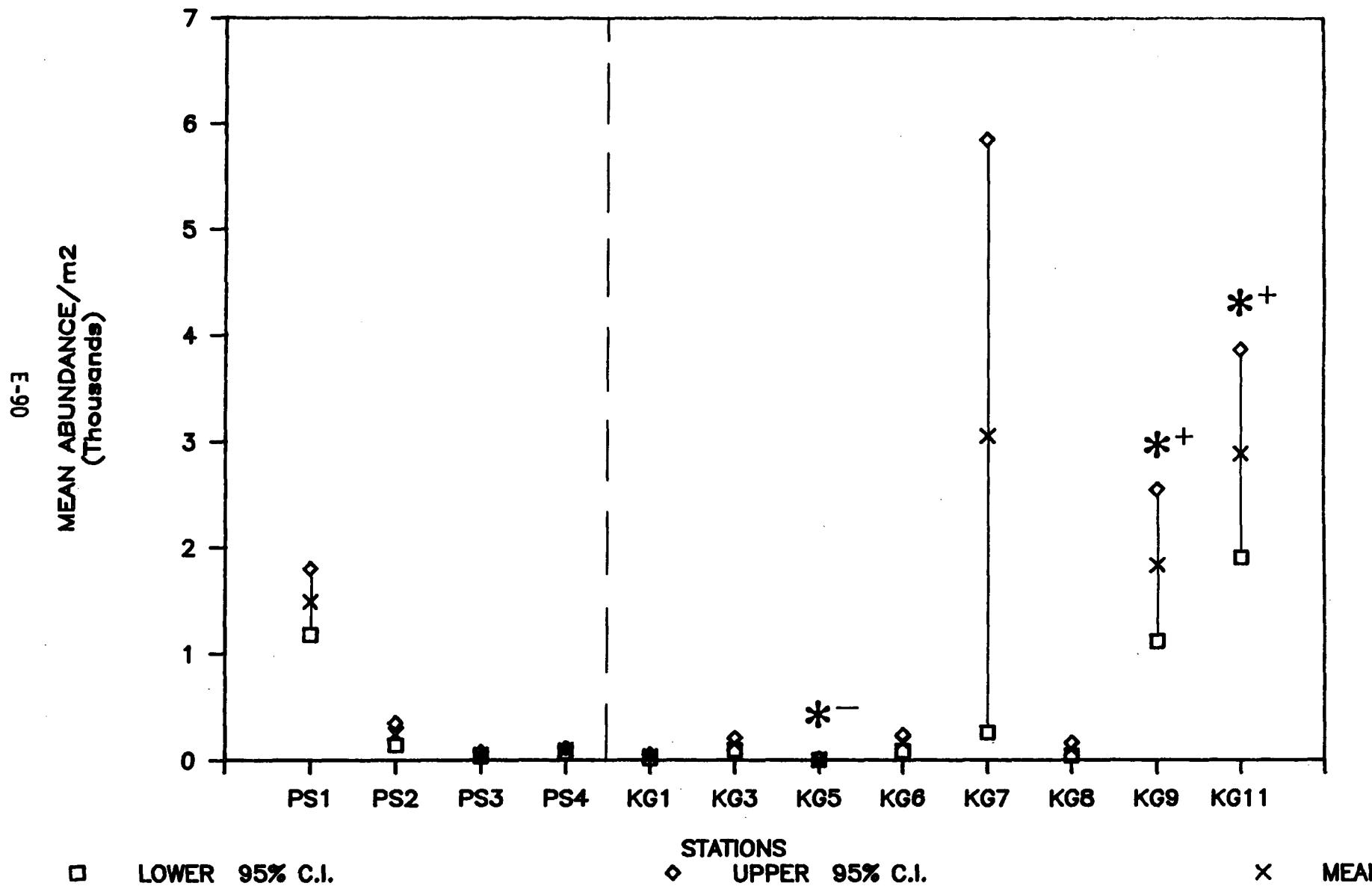
## KELLOGG ISLAND

68-3

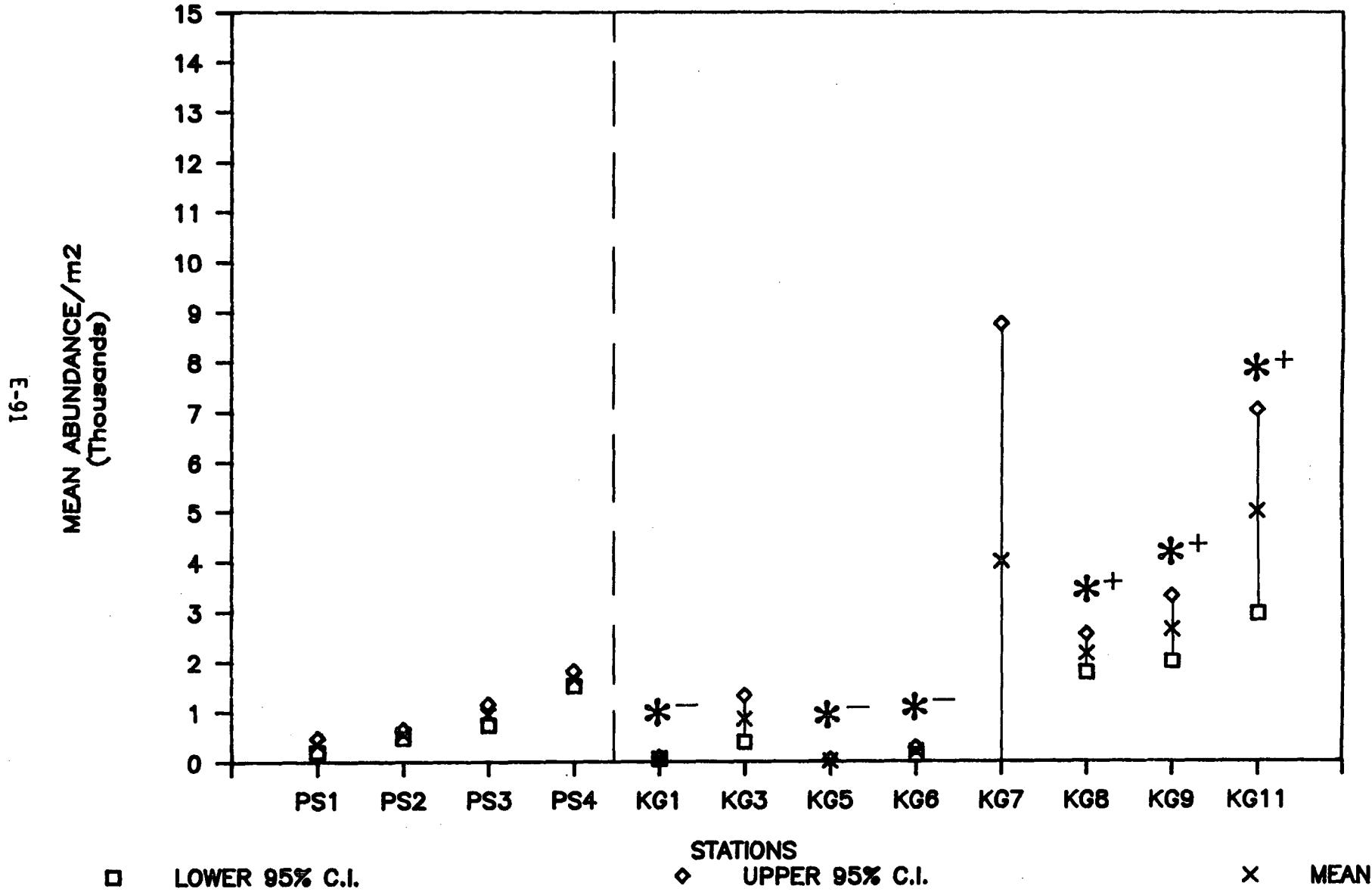


# AMPHIPODA ABUNDANCE – ELLIOTT BAY 1985

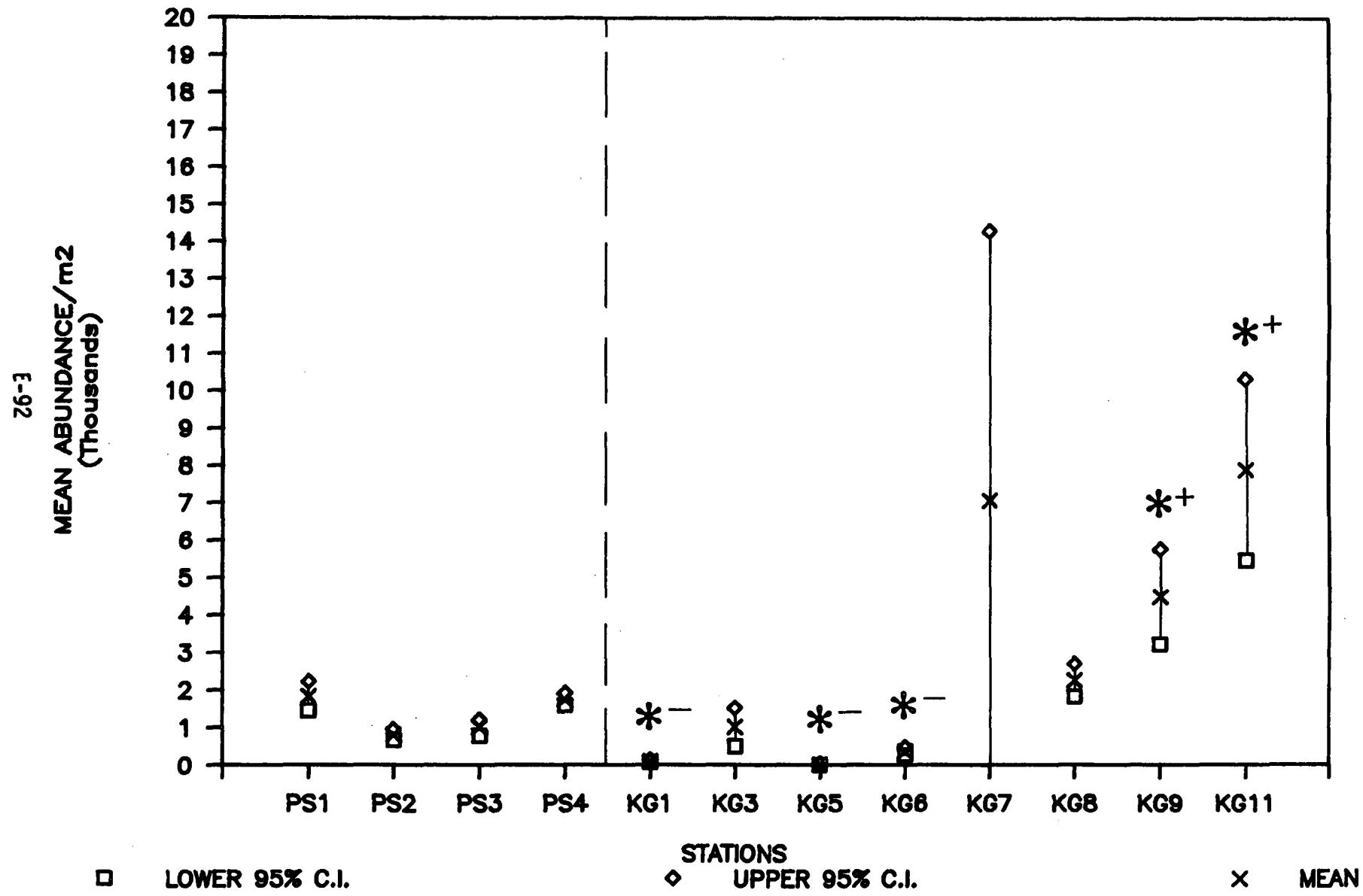
## KELLOGG ISLAND



O. CRUST. ABUNDANCE – ELLIOTT BAY 1985  
KELLOGG ISLAND

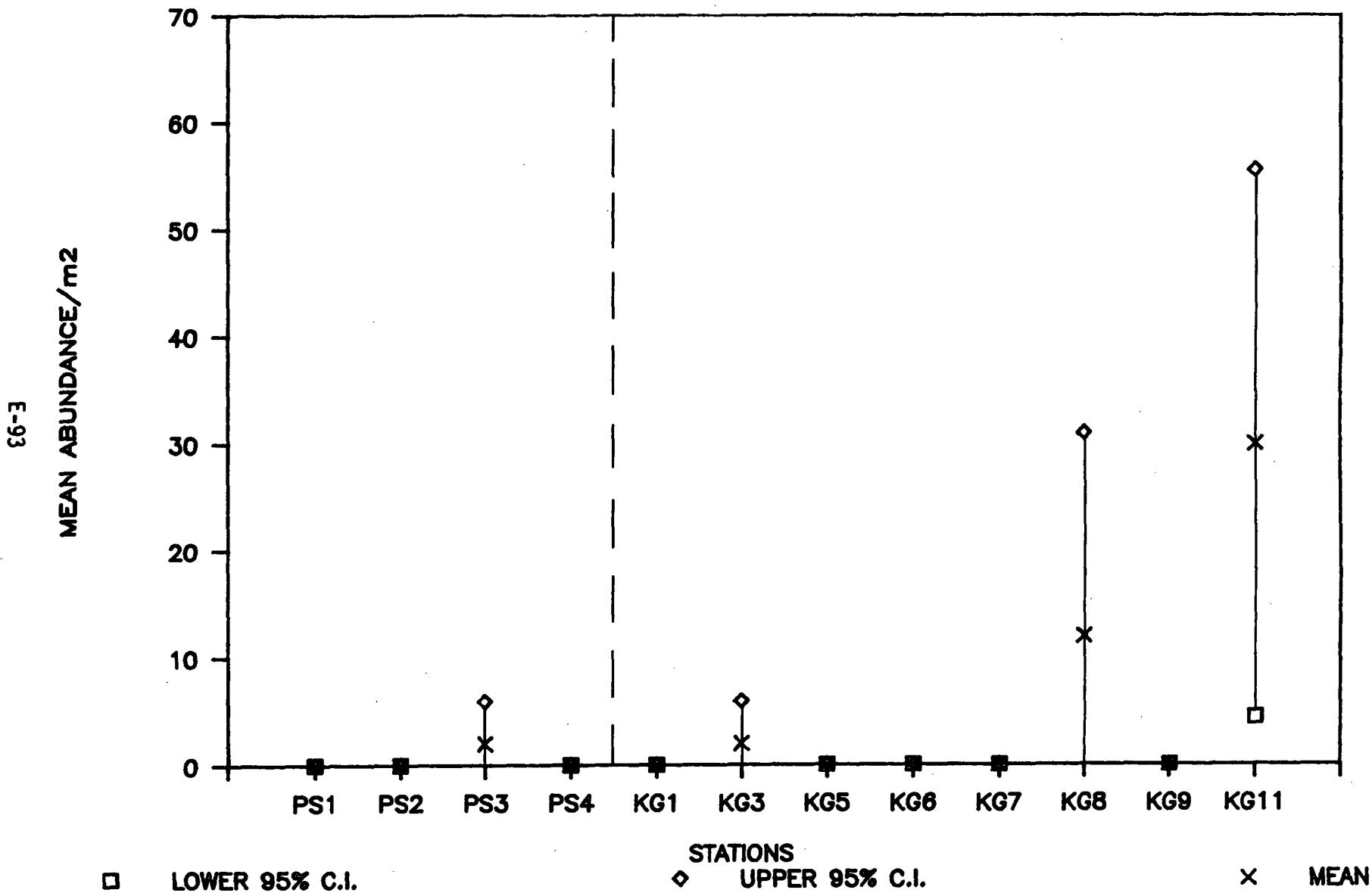


TOT CRUST ABUNDANCE - ELLIOTT BAY 1985  
KELLOGG ISLAND



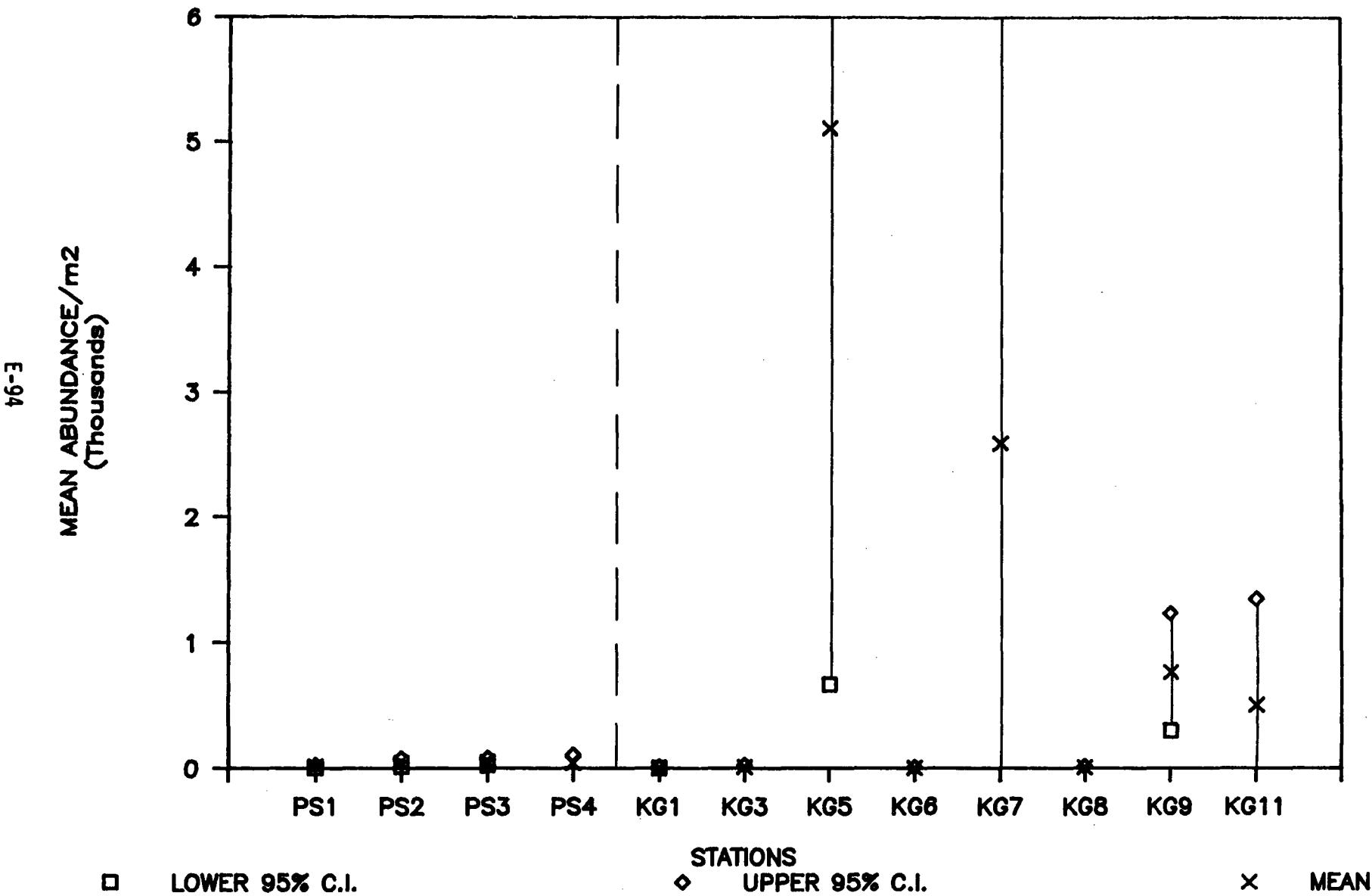
# ECHINODERM ABUNDANCE – ELLIOTT BAY 1985

## KELLOGG ISLAND



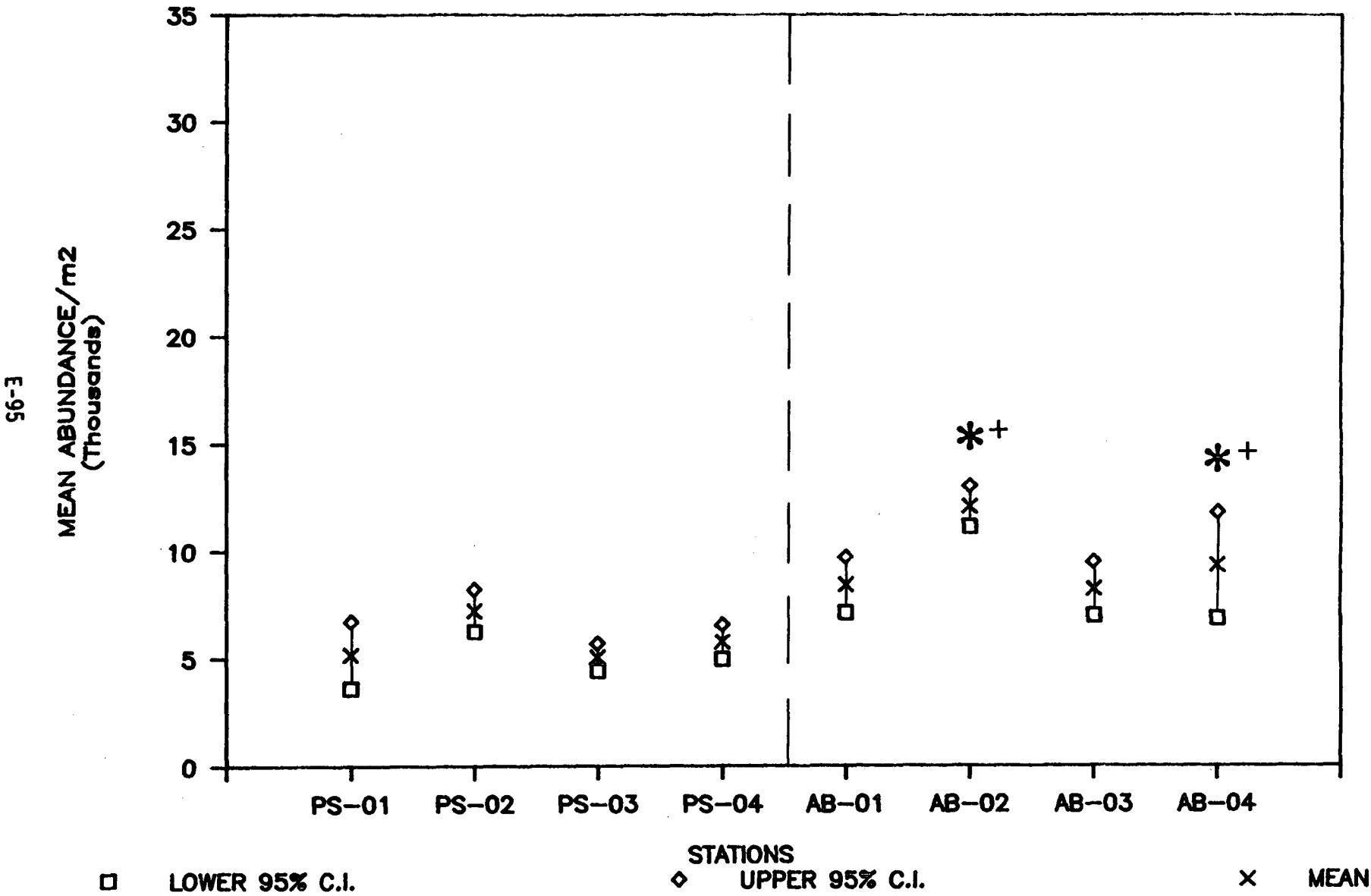
# MISC TAXA ABUNDANCE – ELLIOTT BAY 1985

## KELLOGG ISLAND



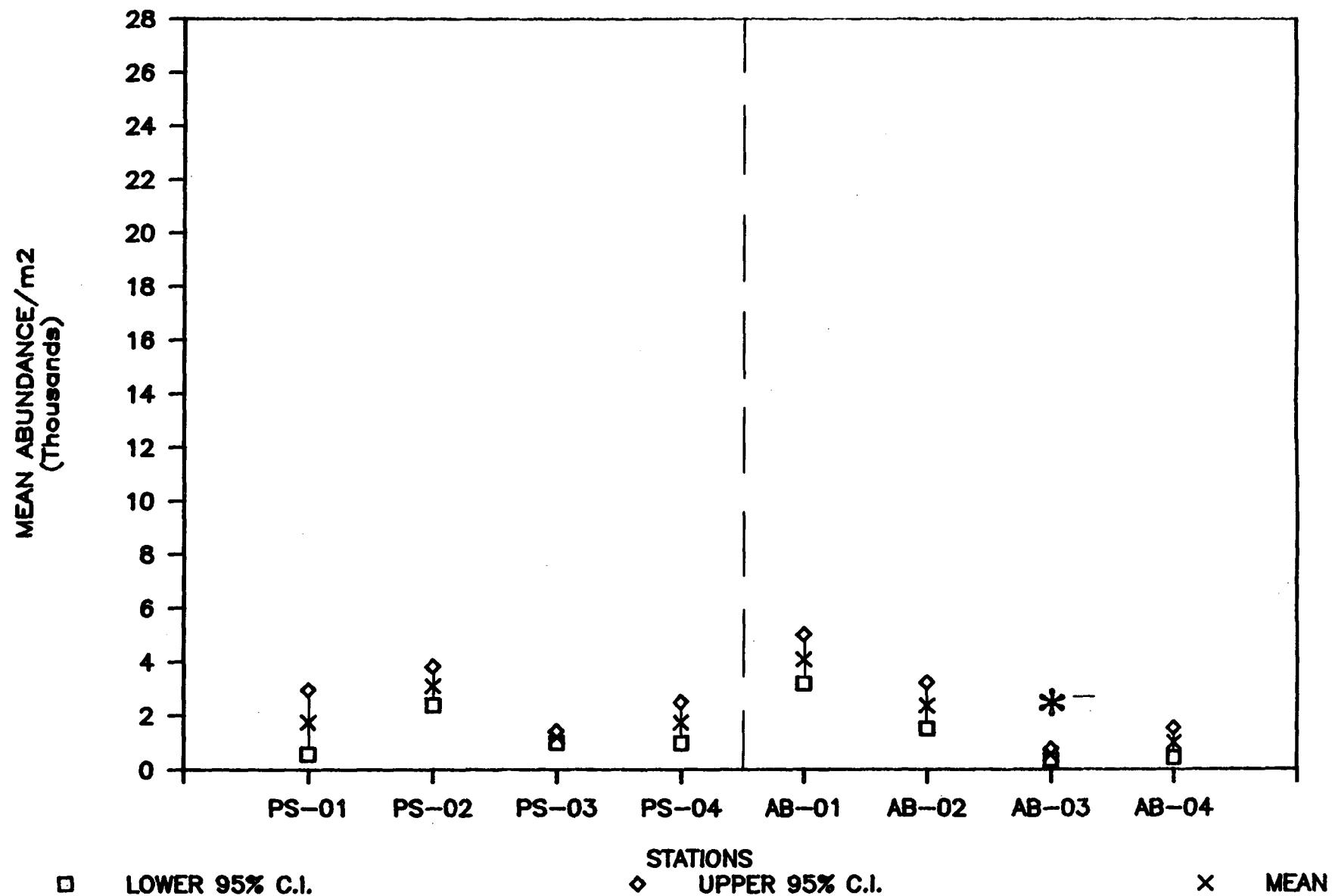
# TOTAL TAXA ABUNDANCE – ELLIOTT BAY 1985

DUWAMISH HEAD/ALKI BEACH



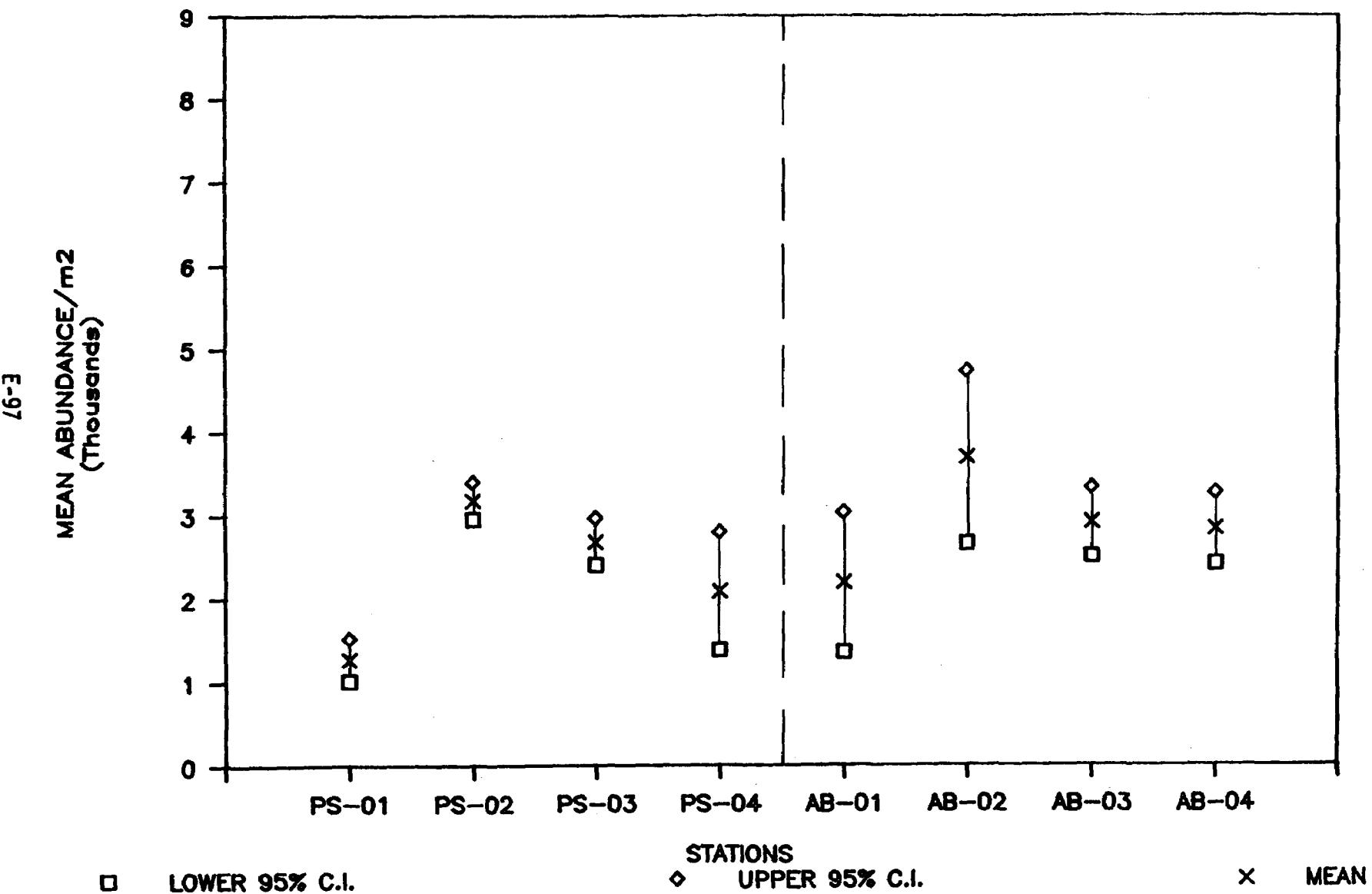
POLYCHAETE ABUNDANCE - ELLIOTT BAY 1985  
DUWAMISH HEAD/ALKI BEACH

96-3



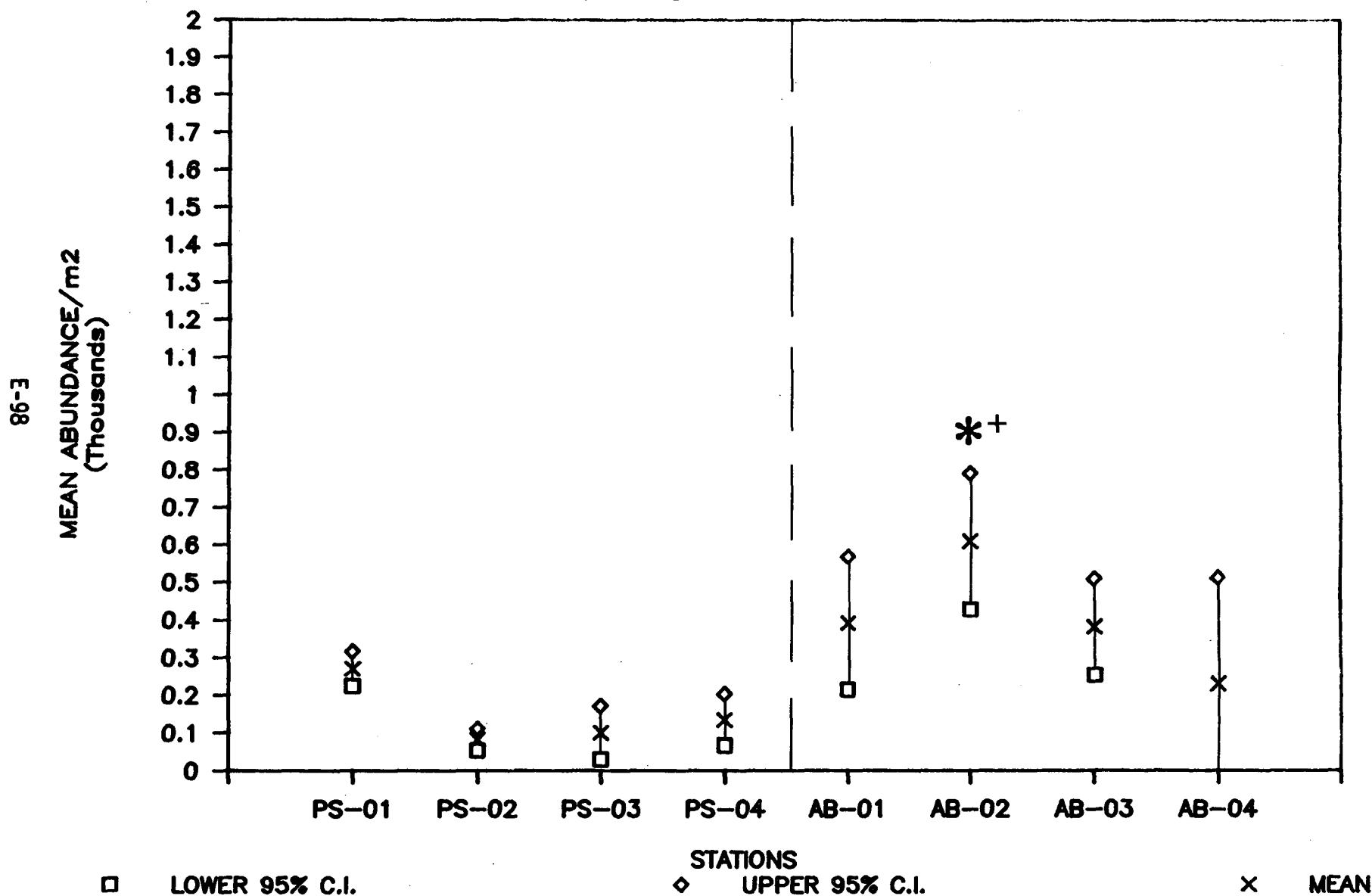
# PELECYPODA ABUNDANCE - ELLIOTT BAY 1985

## DUWAMISH HEAD/ALKI BEACH



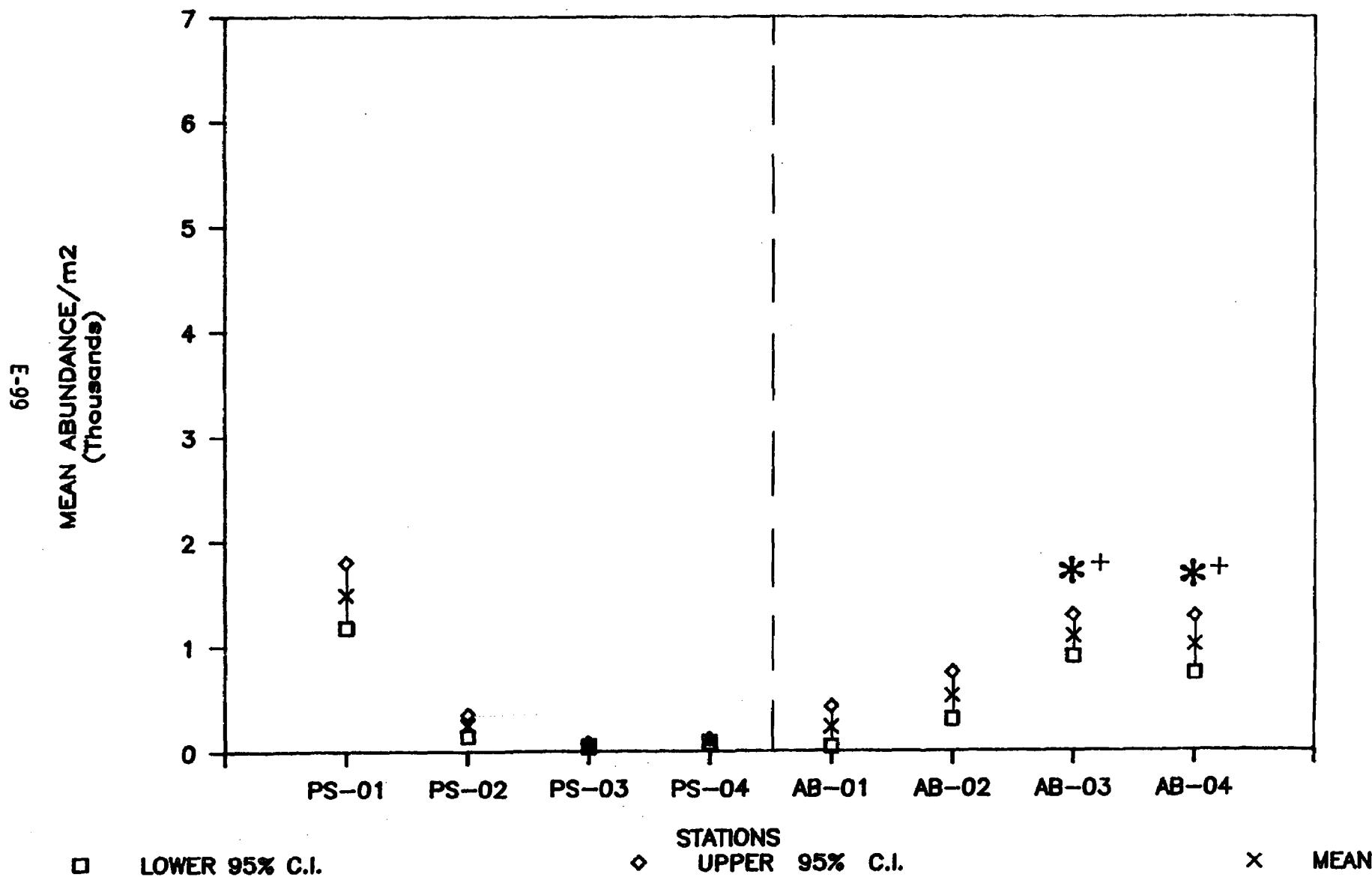
# GASTROPODA ABUNDANCE – ELLIOTT BAY 1985

## DUWAMISH HEAD/ALKI BEACH



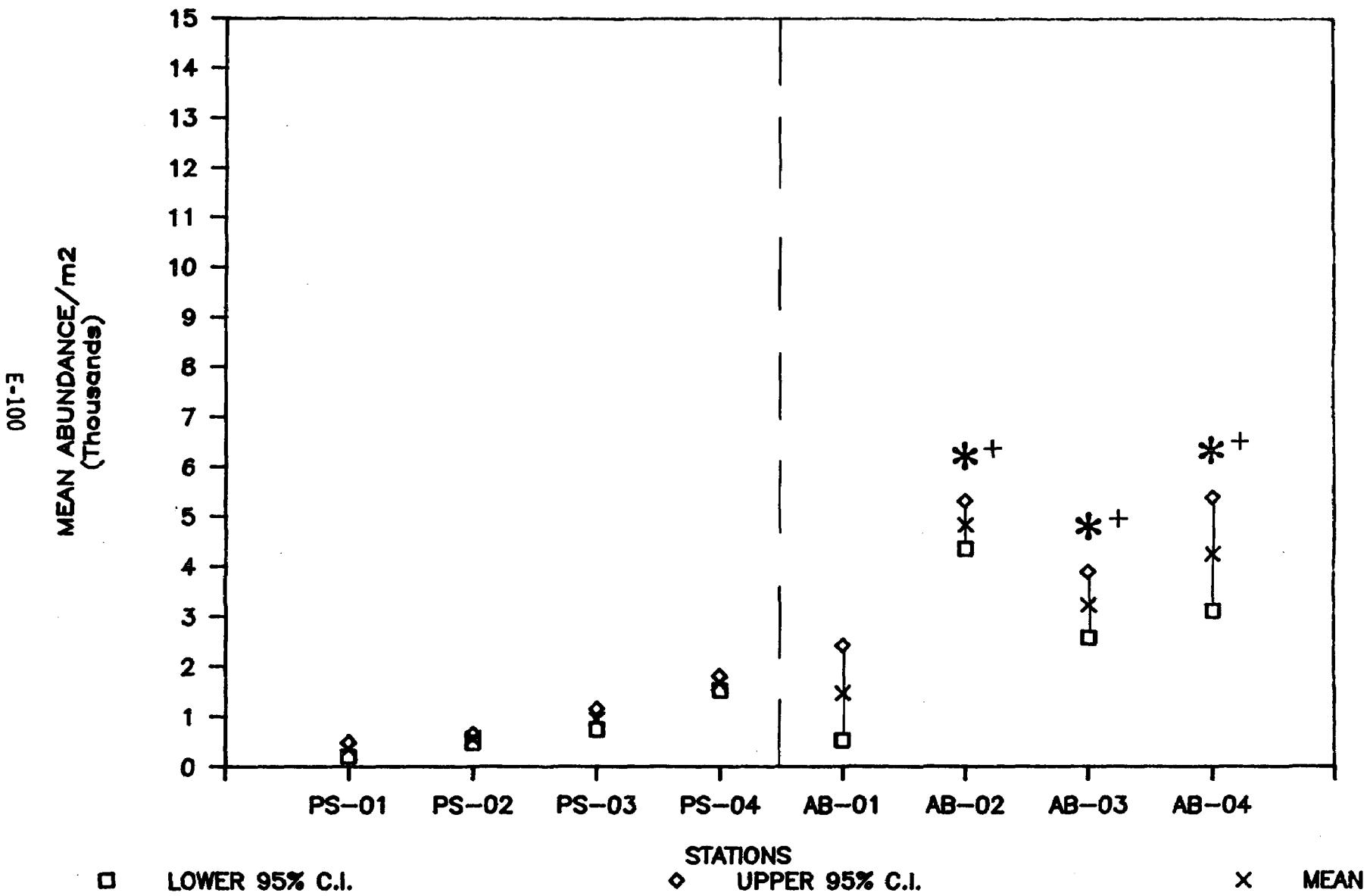
# AMPHIPODA ABUNDANCE – ELLIOTT BAY 1985

DUWAMISH HEAD/ALKI BEACH



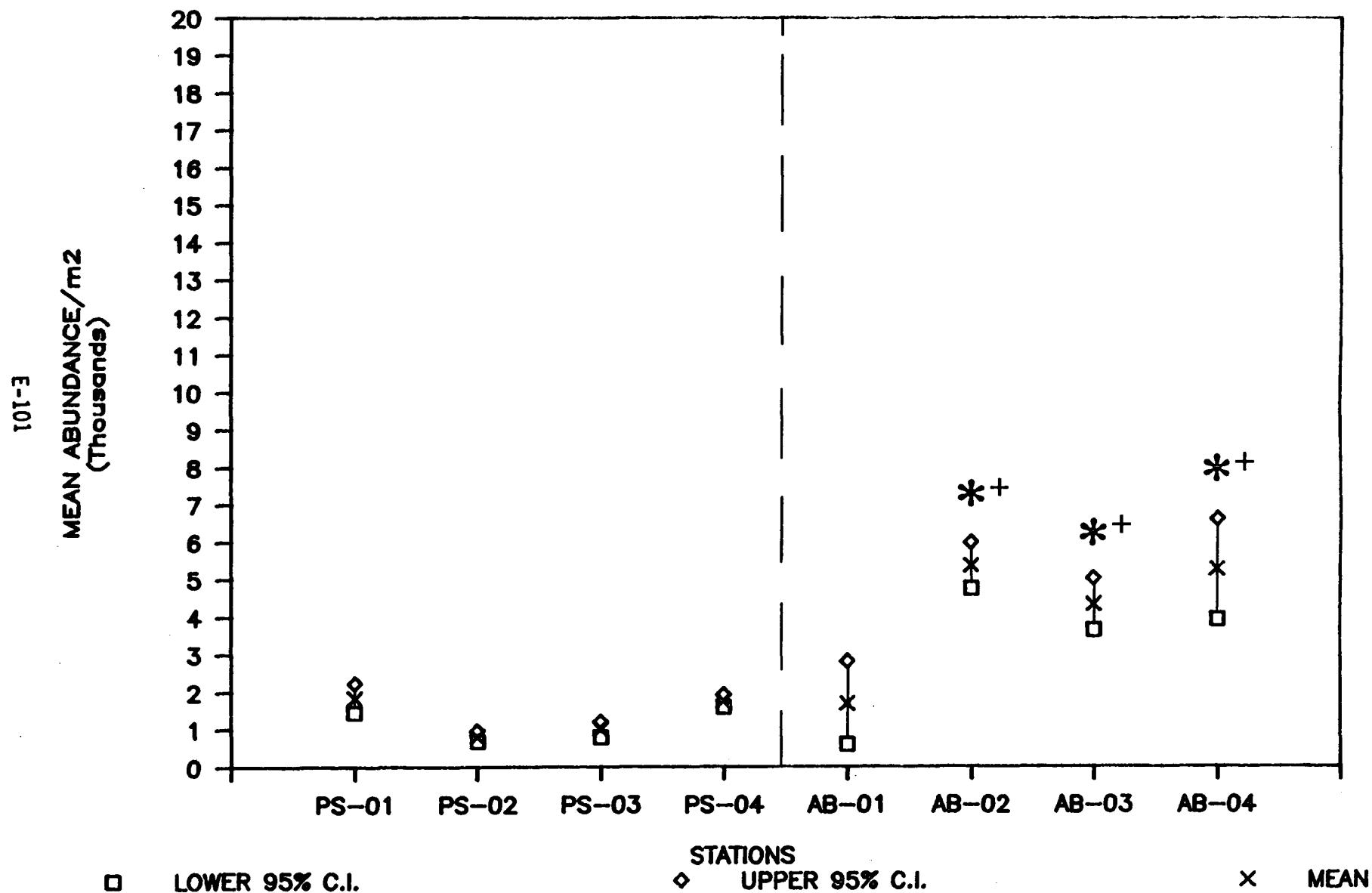
# O. CRUST. ABUNDANCE – ELLIOTT BAY 1985

## DUWAMISH HEAD/ALKI BEACH



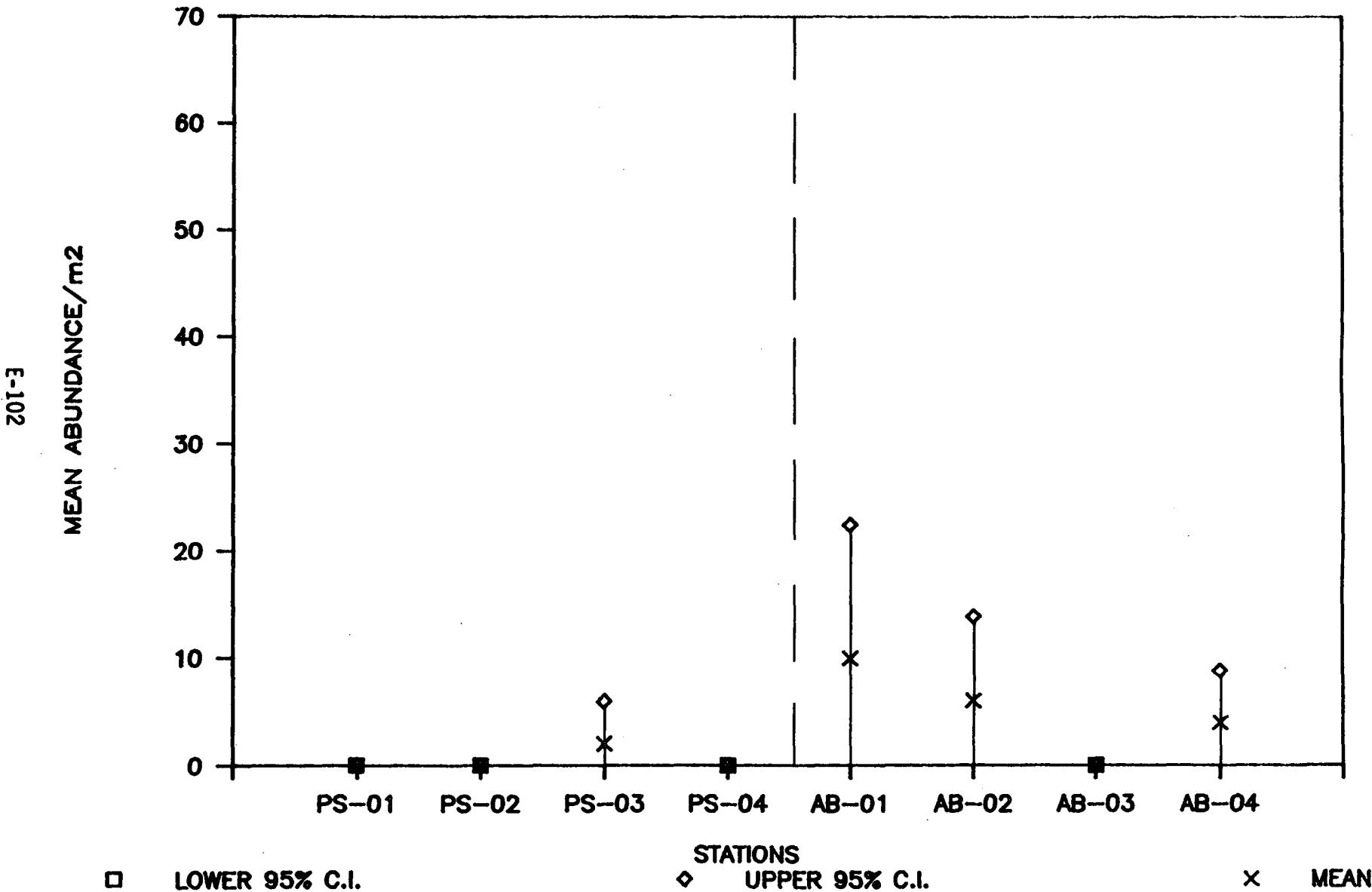
# TOT CRUST ABUNDANCE – ELLIOTT BAY 1985

## DUWAMISH HEAD/ALKI BEACH



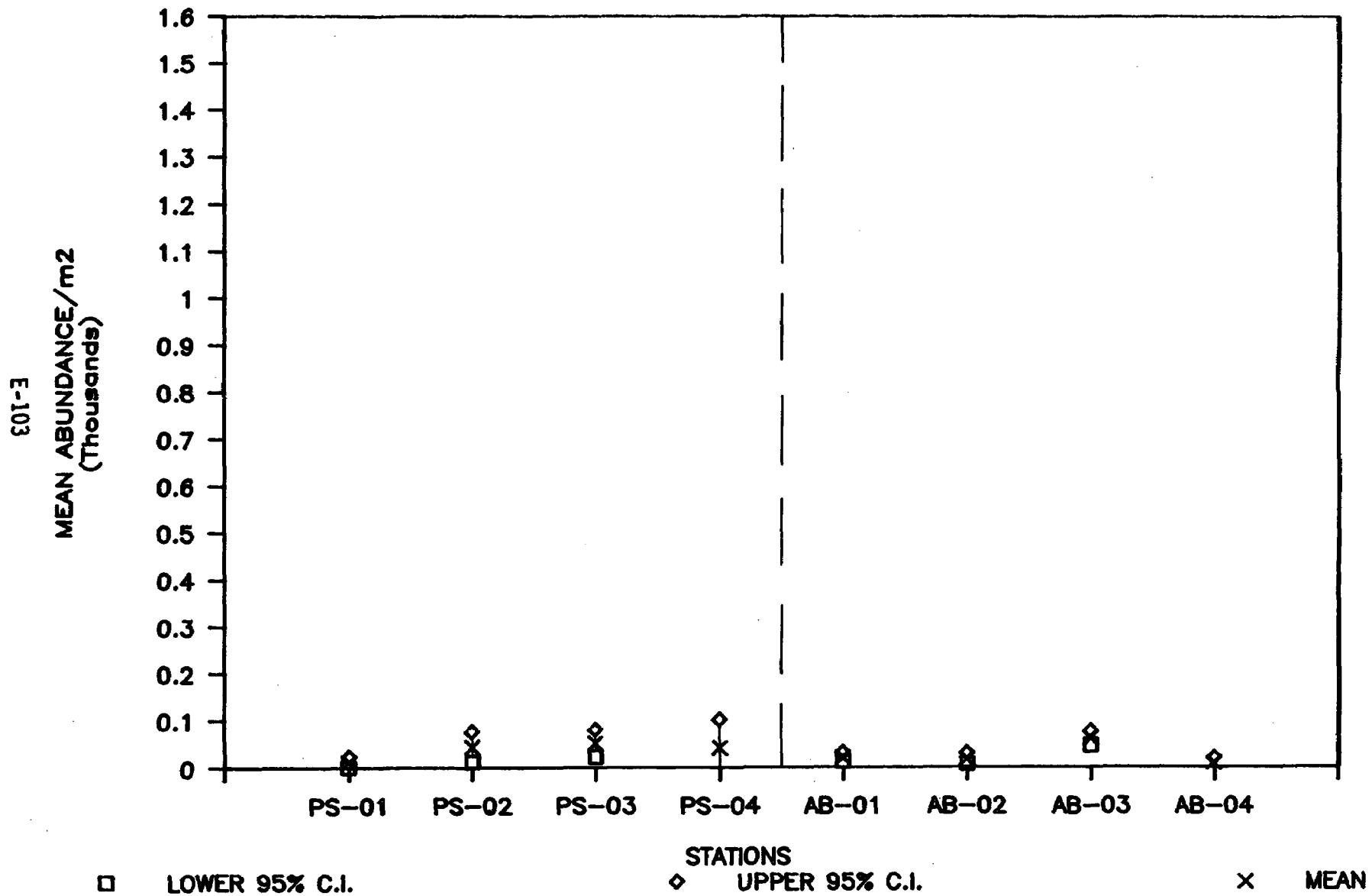
# ECHINODERM ABUNDANCE – ELLIOTT BAY 1985

DUWAMISH HEAD/ALKI BEACH



# MISC TAXA ABUNDANCES - ELLIOTT BAY 1985

DUWAMISH HEAD/ALKI BEACH



**APPENDIX E-3**  
**BENTHIC INFAUNA DATA BY STATION AND REPLICATE**

## APPENDIX E-3. BENTHIC INFAUNA DATA BY STATION AND REPLICATE

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total	
AB-01	375901	Edwardsiidae	0	1	1	0	0	2
	3901	Turbellaria	2	0	0	0	0	2
	4303	Heteronemertea	0	1	0	0	0	1
	43030202	Cerebratulus spp.	0	0	2	1	0	3
	4303020410	Lineus rubescens	0	1	0	0	0	1
	500102	Polynoidae	1	3	0	0	1	5
	50010208	Harmothoe spp.	0	0	0	0	1	1
	5001040101	Pholoides aspera	0	8	3	5	0	16
	5001060101	Pholoe minuta	1	2	6	0	1	10
	5001130102	Phyllococe (Anaitides) groenlandica	0	3	0	1	1	5
	5001130104	Phyllococe (Anaitides) mucosa	0	0	0	0	4	4
	5001130203	Eteone pacifica	0	1	0	0	1	2
	5001130205	Eteone longa	4	1	2	3	0	10
	5001130803	Phyllococe (Paranaitis) polynoides	1	0	0	0	0	1
	5001131101	Eulalia (Eumida) sanguinea	2	7	0	2	2	13
	50011314	Phyllococe spp.	2	1	0	1	0	4
	5001131402	Phyllococe (Aponaitides) hartmanae	0	1	0	3	1	5
	500121	Hesionidae	0	0	0	0	1	1
	5001210102	Gyptis brevipalpa	0	2	3	0	0	5
	5001210801	Micropodarke dubia	1	0	0	0	1	2
	5001211101	Heteropodarke heteromorpha	0	0	1	0	0	1
	500123	Syllidae	1	2	0	0	0	3
	5001230302	Syllis gracilis	1	8	2	5	3	19
	5001230308	Syllis elongata	0	0	1	0	0	1
	5001230703	Exogone lourei	5	2	6	2	1	16
	5001240501	Platynereis bicanaliculata	5	0	4	0	0	9
	50012501	Nephtys spp.	0	1	2	0	0	3
	500125010402	Nephtys cornuta cornuta	1	2	0	0	0	3
	5001250111	Nephtys ferruginea	0	1	0	4	1	6
	5001260103	Sphaerodoropsis sphaerulifer	3	0	0	0	0	3
	5001270101	Glycera capitata	5	8	2	17	8	40
	5001280101	Glycinde picta	4	3	4	2	1	14
	5001280103	Glycinde armigera	2	0	2	0	0	4
	5001280202	Goniada maculata	0	0	1	0	0	1
	5001290111	Onuphis elegans	1	2	1	1	2	7
	50013101	Lumbrineris spp.	8	47	32	15	65	167
	5001310101	Lumbrineris bicirrata	0	0	1	0	0	1
	5001310109	Lumbrineris luti	0	0	8	5	0	13
	5001310118	Lumbrineris cruzensis	6	3	3	7	5	24
	5001310132	Lumbrineris californiensis	6	5	12	14	3	40
	500133010402	Driloneris falcata minor	0	0	0	1	0	1
	500136	Dorvilleidae	0	1	0	0	0	1
	500140	Orbiniidae	0	0	0	1	0	1
	5001400102	Leitoscoloplos pugettensis	8	2	6	1	3	20
	5001400311	Scoloplos acmeceps	0	0	0	0	3	3
	500143	Spionidae	1	0	0	0	0	1
	5001430429	Polydora brachycephala	0	1	1	1	0	3
	5001430431	Polydora cardalia	11	7	1	1	0	20

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa, Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
AB-01	5001430502	<i>Prionospio cirrifera</i>	7	4	87	4	14	116
	5001430506	<i>Prionospio steenstrupi</i>	16	19	21	16	53	125
	5001430701	<i>Spio filicornis</i>	0	0	0	1	1	2
	5001430703	<i>Spio cirrifera</i>	1	4	1	1	0	7
	5001431004	<i>Spiophanes berkeleyorum</i>	0	1	0	2	1	4
	5001431702	<i>Parapriionospio pinnata</i>	0	0	0	1	0	1
	5001440105	<i>Magelona longicornis</i>	10	13	1	19	7	50
	5001490302	<i>Spiochaetopterus costarum</i>	3	2	1	4	0	10
	5001490401	<i>Mesochaetopterus taylori</i>	0	1	0	0	0	1
	500150	<i>Cirratulidae</i>	0	0	1	0	1	2
	50015001	<i>Cirratulus spp.</i>	0	1	0	0	0	1
	5001500101	<i>Cirratulus cirratus</i>	0	4	0	3	1	8
	5001500201	<i>Caulieriella hamata</i>	1	13	23	7	16	60
	5001500302	<i>Tharyx multifilis</i>	22	21	24	50	28	145
	50015004	<i>Chaetozone spp.</i>	4	8	5	11	5	33
	5001580202	<i>Armandia brevis</i>	1	1	8	0	1	11
	5001580607	<i>Ophelina acuminata</i>	0	0	4	0	2	6
	500160	<i>Capitellidae</i>	0	2	0	0	0	2
	5001600101	<i>Capitella capitata</i>	1	1	13	0	0	15
	5001600203	<i>Heteromastus filobranchus</i>	0	0	1	1	0	2
	5001600302	<i>Notomastus tenuis</i>	60	115	123	106	86	490
	5001600303	<i>Notomastus lineatus</i>	29	2	4	4	1	40
	5001600402	<i>Mediomastus californiensis</i>	8	39	117	46	14	224
	500163	<i>Maldanidae</i>	0	1	0	0	0	1
	5001630901	<i>Praxillella gracilis</i>	0	0	0	0	1	1
	5001631206	<i>Clymenura columbiana</i>	0	1	0	0	0	1
	50016603	<i>Pectinaria spp.</i>	0	0	0	0	1	1
	5001660303	<i>Pectinaria granulata</i>	25	20	8	7	4	64
	5001660304	<i>Pectinaria californiensis</i>	1	0	0	0	0	1
	50016702	<i>Ampharete spp.</i>	1	3	4	2	1	11
	5001670208	<i>Ampharete acutifrons</i>	0	0	1	0	1	2
	5001670701	<i>Anobothrus gracilis</i>	2	1	2	4	1	10
	50016808	<i>Polycirrus spp.</i>	5	23	5	2	2	37
	5001681803	<i>Scionella estevanica</i>	4	2	0	3	0	9
	500170	<i>Sabellidae</i>	0	3	0	0	0	3
	5001700104	<i>Chone dunieri</i>	0	1	0	0	0	1
	5001700204	<i>Euchone incolor</i>	1	0	0	0	0	1
	5001700212	<i>Euchone limnicola</i>	0	14	2	16	6	38
	50017008	<i>Sabella spp.</i>	0	0	0	1	0	1
	500173	<i>Serpulidae</i>	0	3	0	0	0	3
	5001730101	<i>Pseudochitinopoma occidentalis</i>	0	2	0	0	0	2
	5001730202	<i>Crucigera zygophora</i>	0	3	0	0	0	3
	50017305	<i>Spirorbis spp.</i>	0	1	0	0	0	1
	5103090301	<i>Lacuna carinata</i>	0	0	1	0	0	1
	5103640301	<i>Crepipatella lingulata</i>	0	4	0	0	0	4
	5105030204	<i>Mitrella gouldi</i>	3	0	0	0	0	3
	51080101	<i>Odostomia spp.</i>	25	42	26	18	66	177
	5108010201	<i>Turbonilla torquata</i>	0	6	0	0	0	6

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
AB-01	5110060101	<i>Aglaja diomedaeum</i>	1	0	0	1	2	4
	5142010101	<i>Hermissenda crassicornis</i>	0	0	1	0	0	1
	5502020201	<i>Nucula tenuis</i>	1	1	4	0	2	8
	5502040203	<i>Nuculana fossa</i>	0	0	0	0	1	1
	5507010301	<i>Megacrenella columbiensis</i>	6	6	10	3	5	30
	5515010101	<i>Parvilucina tenuisculpta</i>	5	1	2	0	1	9
	5515010201	<i>Lucinoma acutilineata</i>	1	0	0	0	0	1
	5515020201	<i>Axinopsida serricata</i>	137	140	218	44	151	690
	55152201	<i>Clinocardium spp.</i>	0	0	0	5	0	5
	5515220101	<i>Clinocardium ciliatum</i>	0	0	0	0	6	6
	5515220104	<i>Clinocardium californiense</i>	2	2	1	0	0	5
	5515220301	<i>Nemocardium centifilosum</i>	1	2	0	0	1	4
	5515290201	<i>Solen sicarius</i>	1	2	0	0	0	3
	5515310102	<i>Macoma elatima</i>	1	1	5	0	4	11
	5515310112	<i>Macoma carlottensis</i>	43	32	68	7	25	175
	5515310203	<i>Tellina carpenteri</i>	3	0	0	0	1	4
	5515470301	<i>Compsomyax subdiaphana</i>	0	0	0	1	2	3
	5515470501	<i>Psephidia lordi</i>	59	35	15	1	11	121
	5517010201	<i>Mya arenaria</i>	0	4	3	7	2	16
	5517060201	<i>Hiatella arctica</i>	0	1	0	0	1	2
	5520020102	<i>Pandora filosa</i>	0	0	1	0	0	1
	5520050202	<i>Lyonsia californica</i>	1	0	2	0	1	4
	6111	<i>Myodocopa</i>	9	1	0	0	7	17
	6111060103	<i>Rutiderma lomae</i>	0	2	1	1	1	5
	6111070301	<i>Euphilomedes carcharodonta</i>	283	115	1	83	106	588
	6111070303	<i>Euphilomedes producta</i>	4	5	0	5	3	17
	6134020104	<i>Balanus crenatus</i>	0	0	0	1	0	1
	61450101	<i>Nebalia spp.</i>	0	0	1	0	0	1
	6154010105	<i>Lamprops quadriplicate</i>	1	0	0	0	0	1
	6154040202	<i>Eudorella pacifica</i>	1	1	0	1	0	3
	6154050101	<i>Diastylis alaskensis</i>	4	1	0	1	0	6
	6157020103	<i>Leptochelia dubia</i>	25	2	3	0	3	33
	6165040201	<i>Argeia pugettensis</i>	0	0	2	0	0	2
	61690201	<i>Ampelisca spp.</i>	0	0	0	0	1	1
	6169020208	<i>Byblis millsi</i>	9	0	0	6	3	18
	61690404	<i>Perampithoe spp.</i>	0	0	1	0	0	1
	61690602	<i>Aoroides spp.</i>	0	0	0	0	1	1
	6169060205	<i>Aoroides exilis</i>	1	0	0	0	0	1
	6169060206	<i>Aoroides intermedius</i>	12	0	1	1	6	20
	6169150201	<i>Corophium acherusicum</i>	1	1	0	0	6	8
	616921	<i>Gammaridae</i>	1	0	0	1	0	2
	6169211008	<i>Melita desdichada</i>	6	0	0	6	3	15
	6169260201	<i>Photis brevipes</i>	3	0	0	0	0	3
	6169260312	<i>Protomedieia prudens</i>	5	0	1	1	0	7
	6169342914	<i>Orchomene decipiens</i>	0	0	0	0	1	1
	616937089998	<i>Monoculodes sp. B (Elliott Bay only)</i>	0	0	0	1	0	1
	6169371402	<i>Synchelidium shoemakeri</i>	3	0	0	1	1	5
	6169371502	<i>Westwoodilla caecula</i>	12	0	0	5	5	22

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
AB-01 6169420301	<i>Heterophoxus oculatus</i>	0	0	1	1	6	8
6169420930	<i>Foxiphalus similis</i>	0	0	0	0	1	1
617101	<i>Caprellidae</i>	1	0	0	0	0	1
6179	<i>Caridea</i>	0	0	0	0	6	6
617916	<i>Hippolytidae</i>	0	0	10	0	0	10
6179160102	<i>Hippolyte clarki</i>	0	0	10	0	0	10
6179160201	<i>Spirontocaris prionata</i>	0	0	1	0	0	1
6179160408	<i>Eualus pusiolus</i>	0	1	14	0	3	18
6179180107	<i>Pandalus danae</i>	0	0	2	0	0	2
617922	<i>Crangonidae</i>	0	3	0	0	0	3
6179220115	<i>Mesocrangon munitella</i>	0	0	1	0	0	1
61830402	<i>Callianassa</i> spp.	1	0	0	0	0	1
6189020101	<i>Lophopanopeus bellus</i>	0	0	0	0	1	1
6189060404	<i>Pinnixa schmitti</i>	1	3	0	1	3	8
7200020104	<i>Golfingia pugettensis</i>	1	0	0	0	1	2
8127010607	<i>Ophiura lutkeni</i>	0	0	0	1	0	1
8149030201	<i>Strongylocentrotus droebachiensis</i>	0	1	0	0	0	1
8170	<i>Holothuroidea</i>	0	0	0	1	0	1
81720603	<i>Pentamera</i> spp.	0	2	0	0	0	2
		958	873	970	609	807	4217 Sum
		6	5	6	4	5	26 Ave
		661	322	541	155	319	7325 Var
		26	18	23	12	18	86 Sdv
		0	0	0	0	0	1 Min
		283	140	218	106	151	690 Max

Number of Observations: 163

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total	
EW-05 5001130205	<i>Eteone longa</i>	0	0	0	1	1	2	
5001131402	<i>Phyllodoce (Aponaitides) hartmanae</i>	0	1	0	0	0	1	
5001230703	<i>Exogone laurei</i>	0	1	1	0	0	2	
5001240501	<i>Platynereis bicanaliculata</i>	0	1	0	0	0	1	
5001250111	<i>Nephtys ferruginea</i>	0	2	0	0	0	2	
5001310101	<i>Lumbrineris spp.</i>	0	0	0	0	1	1	
5001310109	<i>Lumbrineris luti</i>	0	0	0	2	0	2	
5001430402	<i>Polydora socialis</i>	0	0	0	1	0	1	
5001430431	<i>Polydora cardalia</i>	0	0	1	0	9	10	
5001430506	<i>Prionospio steenstrupi</i>	0	1	0	0	0	1	
5001431702	<i>Parapriionospio pinnata</i>	0	0	0	1	0	1	
5001490302	<i>Spiochaetopterus costarum</i>	0	1	1	0	0	2	
500150	<i>Cirratulidae</i>	0	1	1	29	0	31	
5001500101	<i>Cirratulus cirratus</i>	0	1	0	1	0	2	
5001500302	<i>Tharyx multifilis</i>	7	4	4	1	12	28	
50015004	<i>Chaetozone spp.</i>	0	0	0	2	0	2	
5001600101	<i>Capitella capitata</i>	39	72	63	94	34	302	
5001700212	<i>Euchone limnicola</i>	1	8	5	21	41	76	
5103230202	<i>Vitrinella columbiana</i>	0	1	0	0	6	7	
5515310112	<i>Macoma carlottensis</i>	4	15	4	2	4	29	
6111070301	<i>Euphilomedes carcharodonta</i>	0	0	2	1	0	3	
6157020103	<i>Leptochelia dubia</i>	0	1	1	2	1	5	
6169060203	<i>Aoroides inermis</i>	0	0	0	1	0	1	
6169060204	<i>Aoroides spinosus</i>	0	0	0	1	0	1	
6169371402	<i>Synchelidium shoemakeri</i>	0	1	0	0	0	1	
6169371502	<i>Westwoodilla caecula</i>	0	0	0	0	1	1	
6179	<i>Caridea</i>	0	0	0	0	1	1	
		51	111	83	160	111	516	Sum
		2	4	3	6	4	19	Ave
		57	194	145	354	102	3459	Var
		8	14	12	19	10	59	Sdv
		0	0	0	0	0	1	Min
		39	72	63	94	41	302	Max

Number of Observations: 27

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
EW-11 3701	Hydrozoa	0	0	1	1	1	3
3758	Actiniaria	0	1	0	0	0	1
47	Nematoda	0	20	0	0	0	20
500102	Polynoidae	0	3	0	0	0	3
5001040101	Pholoides aspera	0	1	0	0	0	1
5001080101	Paleonotus bellis	0	2	0	0	0	2
5001130104	Phyllocoete (Anaitides) mucosa	0	0	0	0	1	1
50011302	Eteone spp.	0	1	0	0	1	2
5001130205	Eteone longa	1	1	1	0	0	3
5001210102	Gyptis brevipalpa	1	1	0	1	0	3
50012303	Syllis spp.	0	1	0	0	0	1
5001230302	Syllis gracilis	0	1	0	0	0	1
5001230703	Exogone lourei	0	5	2	0	4	11
5001240501	Platynereis bicanaliculata	0	32	18	5	0	55
5001260103	Sphaerodoropsis sphaerulifer	0	2	1	0	2	5
5001280103	Glycinde armigera	0	0	0	0	3	3
50013101	Lumbrineris spp.	122	138	221	205	8	694
5001310109	Lumbrineris luti	177	119	119	62	355	832
5001310118	Lumbrineris cruzensis	6	9	8	0	0	23
500133010402	Driloneris falcata minor	1	0	0	0	0	1
5001360101	Dorvillea pseudorubrovittata	0	0	0	0	1	1
5001360504	Schistomerings rudolphi	0	0	1	0	0	1
5001360505	Schistomerings caeca	0	1	1	0	0	2
5001400311	Scoloplos acmeceps	0	0	0	1	0	1
5001410201	Aricidea suecica	2	2	1	1	0	6
5001430429	Polydora brachycephala	0	0	6	3	2	11
5001430431	Polydora cardalia	3	0	5	2	1	11
5001430502	Prionospio cirrifera	3	7	7	1	0	18
5001430506	Prionospio steenstrupi	7	26	13	6	1	53
5001430812	Polydora (Boccardia) pugettensis	0	0	0	1	0	1
5001431702	Paraprionospio pinnata	0	0	0	2	0	2
500150	Cirratulidae	0	0	1	3	0	4
5001500101	Cirratulus cirratus	1	3	0	0	10	14
5001500103	Cirratulus spectabilis	0	1	0	0	0	1
5001500201	Caulieriella hamata	2	6	1	0	0	9
50015003	Tharyx spp.	0	1	0	0	0	1
5001500302	Tharyx multifilis	1800	2018	1215	955	911	6899
50015004	Chaetozone spp.	9	5	4	6	5	29
5001520101	Cossura longocirrata	1	0	0	0	0	1
5001540302	Pherusa plumosa	0	0	0	0	1	1
5001580202	Armandia brevis	2	33	42	2	2	81
5001580607	Ophelina acuminata	0	0	0	0	1	1
500160	Capitellidae	1	1	0	0	0	2
5001600101	Capitella capitata	4	11	20	7	0	42
5001600203	Heteromastus filobranchus	0	3	0	0	0	3
5001600302	Notomastus tenuis	1	0	1	0	1	3
5001600402	Mediomastus californiensis	3	2	0	3	0	8
5001600601	Barantolla americana	0	0	0	0	5	5

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa, Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
EW-11	5001630901	<i>Praxillella gracilis</i>	0	0	0	0	1	1
	5001630903	<i>Praxillella affinis</i>	0	0	0	0	1	1
	5001660303	<i>Pectinaria granulata</i>	0	0	0	1	0	1
	500167	<i>Ampharetidae</i>	0	0	0	1	0	1
	5001670208	<i>Ampharete acutifrons</i>	0	0	1	0	0	1
	50016808	<i>Polycirrus spp.</i>	0	4	2	3	1	10
	500170	<i>Sabellidae</i>	1	0	0	0	0	1
	5001700212	<i>Euchone limnicola</i>	1	0	1	1	0	3
	50017008	<i>Sabella spp.</i>	0	1	0	0	0	1
	51080101	<i>Odostomia spp.</i>	26	49	22	24	23	144
	5108010201	<i>Turbonilla torquata</i>	0	0	0	1	0	1
	5108011133	<i>Turbonilla lyalli</i>	1	0	0	3	1	5
	5507010301	<i>Megacrenella columbiana</i>	0	2	2	2	2	8
	5507010502	<i>Dacrydium vitreum</i>	0	1	0	0	0	1
	5515020201	<i>Axinopsida serricata</i>	136	36	54	117	108	451
	5515100102	<i>Mysella tumida</i>	1	0	0	1	0	2
	5515220104	<i>Clinocardium californiense</i>	3	1	0	2	3	9
	5515290201	<i>Solen sicarius</i>	0	0	0	0	2	2
	5515310112	<i>Macoma carlottensis</i>	38	22	30	26	31	147
	5515470501	<i>Psephidia lordi</i>	0	0	0	2	1	3
	5517060201	<i>Hiatella arctica</i>	0	1	0	0	0	1
	5520050205	<i>Lyonsia pugetensis</i>	0	0	0	0	3	3
	5520100101	<i>Cardiomya pectinata</i>	0	0	0	0	1	1
	6111070301	<i>Euphilomedes carcharodonta</i>	14	1	11	12	61	99
	6111070303	<i>Euphilomedes producta</i>	8	1	2	6	6	23
	613402	<i>Balanidae</i>	0	1	0	0	0	1
	6134020104	<i>Balanus crenatus</i>	0	2	0	0	0	2
	6134020108	<i>Solidobalanus hesperius</i>	2	0	0	0	0	2
	6154050101	<i>Diastylis alaskensis</i>	0	0	0	0	2	2
	6157020103	<i>Leptochelia dubia</i>	1	0	3	0	1	5
	6169020208	<i>Byblis millsii</i>	0	0	1	0	0	1
	61690602	<i>Aoroides spp.</i>	0	8	0	0	0	8
	6169060202	<i>Aoroides columbiae</i>	0	60	1	0	0	61
	6169150201	<i>Corophium acherusicum</i>	0	2	0	0	0	2
	6169211008	<i>Melita desdichada</i>	0	4	0	0	0	4
	6169342914	<i>Orchomene decipiens</i>	0	1	2	0	0	3
	6169371403	<i>Synchelidium rectipalmum</i>	1	1	3	0	0	5
	6179	<i>Caridea</i>	1	0	0	0	0	1
	617916	<i>Hippolytidae</i>	4	5	0	0	0	9
	6179160201	<i>Spirontocaris prionata</i>	0	1	0	0	0	1
	6179160408	<i>Eualus pusillus</i>	2	3	0	0	0	5
	6179160510	<i>Heptacarpus brevirostris</i>	0	5	0	0	0	5
	6179220102	<i>Crangon alaskensis</i>	0	0	0	1	0	1
	6188030103	<i>Cancer branneri</i>	2	0	5	0	0	7
	81720603	<i>Pentamera spp.</i>	0	1	0	0	0	1
			2389	2670	1829	1470	1564	9922
			26	29	20	16	17	107
								Ave

APPENDIX E-3. (CONTINUED)

Station NOOC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
EW-11		****	****	****	****	****	Var
		188	210	128	102	101	722 Sdv
		0	0	0	0	0	.1 Min
		1800	2018	1215	955	911	6899 Max

Number of Observations: 93

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
KG-01	4303 Heteronemertea	1	0	0	0	0	1
	43030202 Cerebratulus spp.	0	1	0	0	0	1
	5001130205 Eteone longa	2	0	1	0	0	3
	5001131402 Phyllodoce (Aponaitides) hartmanae	0	0	0	0	1	1
	5001210102 Gyptis brevipalpa	1	0	0	0	0	1
	50012501 Nephtys spp.	0	0	0	1	0	1
	500125010402 Nephtys cornuta cornuta	1	0	0	1	0	2
	5001270101 Glycera capitata	1	0	0	0	0	1
	5001280103 Glycinde armigera	0	0	1	0	0	1
	50013101 Lumbrineris spp.	118	95	110	87	48	458
	5001310109 Lumbrineris luti	0	0	18	36	48	102
	5001360504 Schistomerings rudolphi	0	1	0	0	0	1
	5001430404 Polydora spp.	0	0	1	0	0	1
	5001430402 Polydora socialis	3	0	1	3	0	7
	5001430417 Polydora pygidialis	0	1	0	0	0	1
	5001430429 Polydora brachycephala	2	0	1	0	1	4
	5001430431 Polydora cardalia	3	0	0	0	0	3
	5001430502 Prionospio cirrifera	2	0	0	0	0	2
	5001430506 Prionospio steenstrupi	1	0	0	0	0	1
	5001431004 Spiophanes berkeleyorum	1	0	1	0	0	2
	500150 Cirratulidae	0	1	1	0	0	2
	5001500101 Cirratulus cirratus	8	0	9	2	5	24
	5001500302 Tharyx multifilis	956	546	1362	1006	657	4527
	50015004 Chaetozone spp.	6	2	2	3	0	13
	5001520101 Cossura longocirrata	0	0	1	0	1	2
	5001580202 Armandia brevis	0	0	0	1	0	1
	500160 Capitellidae	0	0	1	0	1	2
	5001600101 Capitella capitata	13	10	11	10	4	48
	5001600203 Heteromastus filobranchus	1	3	1	1	3	9
	5001600302 Notomastus tenuis	1	0	1	0	0	2
	5001600401 Medioma ambiseta	1	0	0	1	0	2
	5001600402 Medioma californiensis	2	0	0	0	0	2
	5001600601 Barantolla americana	0	0	1	0	0	1
	5001680601 Nicolea zostericola	0	0	1	0	0	1
	500170 Sabellidae	0	0	0	0	1	1
	5001700212 Euchone limnicola	101	120	96	78	68	463
	51080101 Odostomia spp.	5	2	8	3	5	23
	5108010201 Turbonilla torquata	0	1	1	0	0	2
	5108011133 Turbonilla lyalli	1	0	0	0	0	1
	5507010301 Megacrenella columbiana	0	0	0	2	0	2
	5507010502 Dacyridium vitreum	0	1	0	0	0	1
	5515020201 Axinopsida serricata	38	6	23	15	21	103
	5515100102 Mysella tumida	0	0	12	0	0	12
	5515220104 Clinocardium californiense	0	2	0	0	2	4
	5515310112 Macoma carlottensis	58	33	25	31	40	187
	5515470501 Psephidia lordi	3	6	0	5	8	22
	5520050202 Lyonsia californica	1	0	0	1	0	2
	6111070301 Euphilomedes carcharodonta	3	5	1	9	1	19

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total	
KG-01	6154050101	<i>Diastylis alaskensis</i>	3	1	0	0	1	5	
	6157020103	<i>Leptochelia dubia</i>	2	2	1	0	4	9	
	616902	<i>Ampeliscidae</i>	2	0	0	0	0	2	
	6169371502	<i>Westwoodilla caecula</i>	4	4	2	1	4	15	
	6189060404	<i>Pinnixa schmitti</i>	0	0	1	0	0	1	
			1345	843	1695	1297	924	6104	Sum
			25	16	32	24	17	115	Ave
			****	5951	****	****	8211	*****	Var
			132	77	187	138	91	624	Sdv
			0	0	0	0	0	1	Min
			956	546	1362	1006	657	4527	Max

Number of Observations: 53

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
NH-01	375901	Edwardsiidae	0	1	1	0	0	2
	3901	Turbellaria	0	0	0	0	1	1
	43030202	Cerebratulus spp.	0	0	0	2	0	2
	47	Nematoda	0	0	4	0	3	7
	5001020810	Harmothoe lunulata	1	0	0	0	0	1
	5001060101	Pholoe minuta	2	0	1	0	0	3
	5001130102	Phyllocoete (Anaitides) groenlandica	0	1	0	0	0	1
	50011302	Eteone spp.	0	1	0	0	0	1
	5001130203	Eteone pacifica	3	0	7	0	0	10
	5001130205	Eteone longa	4	4	3	0	2	13
	5001131101	Eulalia (Eumida) sanguinea	0	0	5	0	0	5
	50011314	Phyllocoete spp.	2	2	2	0	2	8
	5001131402	Phyllocoete (Aponaitides) hartmanae	3	3	1	0	0	7
	50011316	Steggoa spp.	1	0	0	0	0	1
	5001210102	Gyptis brevipalpa	0	0	0	0	1	1
	5001230302	Syllis gracilis	0	0	1	0	1	2
	5001230308	Syllis elongata	6	4	8	4	11	33
	5001230703	Exogone lourei	28	49	66	8	31	182
	5001240303	Nereis limnicola	0	0	0	0	1	1
	5001240501	Platynereis bicanaliculata	6	0	6	6	3	21
	50012501	Nephtys spp.	0	0	1	0	0	1
	5001250111	Nephtys ferruginea	1	0	0	0	0	1
	5001270101	Glycera capitata	0	3	3	1	2	9
	5001280101	Glycinde picta	2	3	2	3	0	10
	5001280103	Glycinde armigera	1	0	0	0	0	1
	5001290111	Onuphis elegans	2	0	1	0	1	4
	5001290202	Diopatra ornata	0	0	1	2	1	4
	50013101	Lumbrineris spp.	17	18	26	19	14	94
	5001310109	Lumbrineris luti	7	1	7	5	2	22
	5001310118	Lumbrineris cruzensis	1	0	4	2	1	8
	5001310132	Lumbrineris californiensis	4	0	8	2	0	14
	5001360201	Protodorvillea gracilis	2	0	2	1	3	8
	5001360504	Schistomerings rudolphi	0	0	1	0	0	1
	5001400102	Leitoscoloplos pugettensis	0	0	5	0	0	5
	500143	Spionidae	0	1	0	0	0	1
	50014302	Laonice spp.	0	3	0	0	0	3
	50014304	Polydora spp.	1	0	0	0	0	1
	5001430402	Polydora socialis	1	2	3	0	0	6
	5001430429	Polydora brachycephala	1	0	2	1	3	7
	5001430431	Polydora cardalia	5	1	0	0	0	6
	5001430502	Prionospio cirrifera	11	37	46	1	28	123
	5001430506	Prionospio steenstrupi	20	21	48	18	24	131
	5001430701	Spio filicornis	0	0	1	0	0	1
	5001430806	Polydora (Boccardiella) hamata	0	0	0	0	3	3
	5001430812	Polydora (Boccardia) pugettensis	1	2	0	0	0	3
	5001440105	Magelona longicornis	3	0	3	4	1	11
	5001490302	Spiochaetopterus costarum	2	3	5	7	11	28
	500150	Cirratulidae	0	2	3	0	0	5

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
NH-01	<i>Cirratulus cirratus</i>	1	0	1	0	0	2
	<i>Cirratulus spectabilis</i>	0	2	0	0	0	2
	<i>Caulleriella hamata</i>	3	4	15	0	1	23
	<i>Tharyx multifilis</i>	9	6	11	5	3	34
	<i>Chaetozone spp.</i>	10	6	10	14	8	48
	<i>Chaetozone sp. 1 (Elliott Bay only)</i>	2	0	0	1	0	3
	<i>Cossura longocirrata</i>	1	0	0	0	0	1
	<i>Armandia brevis</i>	1	4	8	1	2	16
	<i>Ophelina spp.</i>	0	1	0	0	0	1
	<i>Capitella capitata</i>	7	39	12	2	26	86
	<i>Heteromastus filobranchus</i>	0	0	0	0	3	3
	<i>Notomastus tenuis</i>	56	40	75	49	34	254
	<i>Notomastus lineatus</i>	2	0	0	0	2	4
	<i>Mediomastus californiensis</i>	40	42	72	32	40	226
	<i>Maldanidae</i>	0	0	0	1	0	1
	<i>Pectinaria granulata</i>	0	1	6	9	1	17
	<i>Ampharetidae</i>	0	0	2	0	0	2
	<i>Ampharete acutifrons</i>	0	1	0	0	1	2
	<i>Melinna elisabethae</i>	0	0	1	0	0	1
	<i>Anobothrus gracilis</i>	0	1	0	0	0	1
	<i>Terebellidae</i>	0	1	1	0	0	2
	<i>Polycirrus spp.</i>	6	1	4	2	1	14
	<i>Sabellidae</i>	0	0	1	0	0	1
	<i>Chone dunieri</i>	1	0	0	0	0	1
	<i>Euchone limnicola</i>	0	0	5	1	0	6
	<i>Sabella spp.</i>	0	0	1	0	0	1
	<i>Lacuna carinata</i>	0	0	1	0	0	1
	<i>Crepidatella lingulata</i>	0	0	1	1	0	2
	<i>Nassarius mendicus</i>	0	0	0	1	0	1
	<i>Odostomia spp.</i>	3	1	3	10	2	19
	<i>Turbanilla aurantia</i>	2	0	0	0	0	2
	<i>Nucula tenuis</i>	2	0	0	0	0	2
	<i>Nuculana fossa</i>	0	0	1	0	0	1
	<i>Megacrenella columbiana</i>	2	1	3	1	1	8
	<i>Axinopsida serricata</i>	13	5	27	15	7	67
	<i>Macoma elimata</i>	1	1	3	0	0	5
	<i>Macoma carlottensis</i>	7	7	0	2	6	22
	<i>Tellina carpenteri</i>	0	0	0	0	1	1
	<i>Compsomyax subdiaphana</i>	0	0	1	0	0	1
	<i>Protothaca staminea</i>	0	0	0	1	0	1
	<i>Mya truncata</i>	0	0	1	0	2	3
	<i>Hiatella arctica</i>	0	0	0	1	0	1
	<i>Pandora filosa</i>	0	0	1	0	0	1
	<i>Lyonsia californica</i>	0	0	0	0	1	1
	<i>Euphilomedes carcharodonta</i>	29	53	44	16	17	159
	<i>Euphilomedes producta</i>	1	5	2	2	0	10
	<i>Eudorella pacifica</i>	0	1	0	0	0	1
	<i>Diastylis alaskensis</i>	0	0	1	0	1	2

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
NH-01	6157020103 Leptochelia dubia	73	164	297	61	104	699
	6169020208 Byblis millsii	0	0	0	1	0	1
	61690602 Aoroides spp	0	1	0	0	0	1
	6169060202 Aoroides columbiae	0	0	0	0	1	1
	6169060203 Aoroides inermis	0	0	9	0	0	9
	6169060206 Aoroides intermedius	0	0	0	0	2	2
	6169150201 Corophium acherusicum	0	1	0	0	0	1
	616921 Gammaridae	2	0	0	0	0	2
	6169211008 Melita desdichada	0	0	0	1	0	1
	6169260201 Photis brevipes	0	1	0	0	1	2
	6169371402 Synchelidium shoemakeri	0	0	1	0	0	1
	6169371502 Westwoodilla caecula	1	1	0	0	0	2
	6171010602 Tritella pilimana	0	0	0	0	1	1
	6179 Caridea	0	0	2	1	0	3
	6179220115 Mesocrangon munitella	3	0	0	0	1	4
	61830402 Callianassa spp.	1	1	0	2	1	5
	6188030103 Cancer branneri	1	0	1	0	0	2
	6189060404 Pinnixa schmitti	3	0	4	0	0	7
	8170 Holothuroidea	1	0	0	0	0	1
		422	554	905	319	421	2621
		4	5	8	3	4	23
		103	323	924	71	141	5843
		10	18	30	8	12	76
		0	0	0	0	0	1
		73	164	297	61	104	699
							Sum
							Ave
							Var
							Sdv
							Min
							Max

Number of Observations: 115

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
NH-02	375901	Edwardsiidae	0	1	2	1	0	4
	3901	Turbellaria	0	0	0	0	1	1
	43	Nemertea	0	0	0	0	2	2
	47	Nematoda	13	1	2	34	59	109
	500102	Polynoidae	0	0	1	0	0	1
	5001020810	Harmothoe lunulata	1	1	0	2	1	5
	5001060101	Pholoe miruta	0	0	0	0	4	4
	5001080101	Paleonotus bellis	0	0	1	0	0	1
	500113	Phyllodocidae	0	1	0	5	0	6
	5001130102	Phyllodoce (Anaitides) groenlandica	0	0	1	0	1	2
	5001130203	Eteone pacifica	0	1	0	6	3	10
	5001130205	Eteone longa	2	1	12	1	4	20
	5001131101	Eulalia (Eumida) sanguinea	0	0	1	1	0	2
	5001131314	Phyllodoce spp.	0	0	6	1	1	8
	5001131402	Phyllodoce (Aponaitides) hartmanae	2	2	2	0	3	9
	5001210102	Gyptis brevipalpa	3	1	0	3	2	9
	500123	Syllidae	0	0	0	0	1	1
	5001230703	Exogone lourei	3	5	7	10	3	28
	5001231303	Odontosyllis phosphorea	0	0	0	1	0	1
	5001240303	Nereis limnicola	0	0	0	0	1	1
	50012404	Nereis spp.	0	0	0	0	1	1
	5001240501	Platynereis bicanaliculata	7	0	1	1	1	10
	5001250102	Nephtys ciliata	0	0	0	1	0	1
	500125010402	Nephtys cornuta cornuta	0	0	0	2	0	2
	5001250111	Nephtys ferruginea	1	0	0	1	0	2
	5001270101	Glycera capitata	0	2	2	1	1	6
	5001280101	Glycinde picta	3	1	8	5	2	19
	5001280103	Glycinde armigera	0	0	0	0	1	1
	500129	Onuphidae	0	1	0	0	0	1
	5001290111	Onuphis elegans	2	1	0	1	0	4
	50013101	Lumbrineris spp.	0	6	5	11	32	54
	5001310109	Lumbrineris luti	0	2	7	3	0	12
	5001310118	Lumbrineris cruzensis	1	1	0	2	0	4
	5001360504	Schistomeringos rudolphi	0	0	0	0	1	1
	5001400311	Scoloplos acmeceps	0	0	2	0	0	2
	5001430402	Polydora socialis	1	0	0	0	0	1
	5001430431	Polydora cardalia	0	1	0	6	0	7
	5001430502	Prionospio cirrifera	63	14	12	24	6	119
	5001430506	Prionospio steenstrupi	105	13	24	51	91	284
	5001430701	Spio filicornis	0	1	0	2	1	4
	5001430812	Polydora (Boccardia) pugettensis	0	13	6	6	0	25
	5001431702	Paraprionospio pinnata	0	1	0	3	0	4
	5001440105	Magelona longicornis	1	0	2	0	0	3
	5001490302	Spiochaetopterus costarum	1	4	3	10	1	19
	5001490401	Mesochaetopterus taylori	0	1	0	0	0	1
	500150	Cirratulidae	0	1	7	0	1	9
	50015001	Cirratulus spp.	6	3	0	0	3	12
	5001500101	Cirratulus cirratus	15	3	3	13	40	74

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
NH-02	5001500103 <i>Cirratulus spectabilis</i>	1	0	0	0	16	17
	5001500201 <i>Caulleriella hamata</i>	11	4	0	4	26	45
	5001500302 <i>Tharyx multifilis</i>	52	112	87	73	63	387
	50015004 <i>Chaetozone spp.</i>	3	5	14	10	13	45
	500150049999 <i>Chaetozone sp. 1 (Elliott Bay only)</i>	4	0	0	0	7	11
	5001520101 <i>Cossura longocirrata</i>	0	0	1	0	0	1
	5001580202 <i>Armandia brevis</i>	11	1	1	2	4	19
	500160 <i>Capitellidae</i>	3	0	2	2	0	7
	5001600101 <i>Capitella capitata</i>	43	25	19	51	24	162
	5001600201 <i>Heteromastus filiformis</i>	0	0	1	0	0	1
	5001600203 <i>Heteromastus filobranchus</i>	1	3	0	0	0	4
	5001600302 <i>Notomastus tenuis</i>	12	21	19	57	50	159
	5001600303 <i>Notomastus lineatus</i>	0	0	2	1	0	3
	5001600402 <i>Mediomastus californiensis</i>	25	22	28	47	36	158
	5001600601 <i>Barantolla americana</i>	5	2	0	2	3	12
	5001660303 <i>Pectinaria granulata</i>	1	1	0	2	1	5
	5001670208 <i>Ampharete acutifrons</i>	0	0	0	0	2	2
	500170 <i>Sabellidae</i>	0	0	0	1	1	2
	5001700104 <i>Chone dunieri</i>	2	2	0	0	1	5
	5001700212 <i>Euchone limnicola</i>	1	10	5	10	3	29
	500173 <i>Serpulidae</i>	0	0	6	0	0	6
	5009020908 <i>Tubificoides bakeri</i>	0	1	0	1	0	2
	5009021801 <i>Tectidrilus diversus</i>	32	4	6	52	33	127
	5103460104 <i>Bittium vancouverense</i>	1	0	0	0	0	1
	5103760402 <i>Polinices pallida</i>	2	0	0	0	0	2
	5105030204 <i>Mitrella gouldi</i>	1	0	0	0	0	1
	5108010101 <i>Odostomia spp.</i>	55	31	23	41	28	178
	5108010201 <i>Turbanilla torquata</i>	2	0	0	0	0	2
	5108011133 <i>Turbanilla lyalli</i>	1	0	0	0	0	1
	5108011134 <i>Turbanilla aurantia</i>	0	0	0	0	1	1
	5507010301 <i>Megacrene columbiana</i>	0	2	0	2	1	5
	5507010502 <i>Dacrydium vitreum</i>	0	0	1	1	0	2
	5507010603 <i>Modiolus rectus</i>	1	0	0	1	0	2
	5515010101 <i>Parvilucina tenuisculpta</i>	0	0	1	2	2	5
	5515020201 <i>Axinopsida serricata</i>	8	10	8	13	0	39
	5515220104 <i>Clinocardium californiense</i>	1	0	1	2	1	5
	5515220301 <i>Nemocardium centifilosum</i>	0	0	0	0	2	2
	5515290201 <i>Solen sicarius</i>	0	1	4	0	0	5
	5515310102 <i>Macoma elimata</i>	1	0	0	1	0	2
	5515310112 <i>Macoma carlottensis</i>	1	4	11	15	5	36
	5515470501 <i>Psephidia lordi</i>	1	0	1	0	2	4
	5515470701 <i>Protothaca staminea</i>	0	0	0	1	0	1
	5518020101 <i>Bankia setacea</i>	1	0	0	0	0	1
	5520020102 <i>Pandora filosa</i>	0	0	0	0	1	1
	5520100101 <i>Cardiomya pectinata</i>	0	0	0	1	0	1
	611103 <i>Cylindroleberididae</i>	1	0	1	0	0	2
	6111060103 <i>Rutiderma lomae</i>	1	0	0	0	0	1
	6111070301 <i>Euphilomedes carcharodonta</i>	49	39	49	104	18	259

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
NH-02	6111070303 <i>Euphilomedes producta</i>	1	0	0	0	0	1
	6111070303 <i>Euphilomedes producta</i>	3	12	12	14	1	42
	61450101 <i>Nebalia spp.</i>	0	0	0	0	1	1
	6154040202 <i>Eudorella pacifica</i>	0	0	0	1	0	1
	6154050101 <i>Diastylis alaskensis</i>	0	0	2	0	0	2
	6154070105 <i>Campylaspis hartae</i>	0	0	0	1	0	1
	6157020103 <i>Leptochelia dubia</i>	12	20	20	53	32	137
	6169020208 <i>Byblis millsii</i>	0	0	2	0	0	2
	6169060202 <i>Aoroides spp.</i>	0	0	1	1	0	2
	6169060203 <i>Aoroides inermis</i>	0	0	9	0	0	9
	6169060204 <i>Aoroides spinosus</i>	4	0	0	0	0	4
	6169150201 <i>Corophium acherusicum</i>	8	2	2	2	0	14
	616921 <i>Gammaridae</i>	1	0	0	3	0	4
	6169260201 <i>Photis brevipes</i>	1	5	7	15	0	28
	6169371402 <i>Synchelidium shoemakeri</i>	2	5	0	4	4	15
	6169371403 <i>Synchelidium rectipalmum</i>	0	0	2	0	0	2
	6169371502 <i>Westwoodilla caecula</i>	0	2	4	2	0	8
	6179 <i>Caridea</i>	0	1	6	0	0	7
	6179220102 <i>Crangon alaskensis</i>	0	0	1	0	0	1
	61830402 <i>Callianassa spp.</i>	0	0	3	1	0	4
	6184 <i>Brachyura</i>	0	0	1	0	0	1
	61880301 <i>Cancer spp.</i>	0	0	0	0	1	1
	6188030103 <i>Cancer branneri</i>	0	0	0	0	1	1
	6189060404 <i>Pinnixa schmitti</i>	0	2	1	5	0	8
	8170 <i>Holothuroidea</i>	0	0	0	1	3	4
	81720603 <i>Pentamera spp.</i>	1	0	0	0	1	2
	840602040201 <i>Halocynthia hilgendorfi igaboja</i>	1	0	0	0	0	1
		598	432	481	810	656	2977 Sum
		5	4	4	7	5	24 Ave
		205	136	103	264	195	3433 Var
		14	12	10	16	14	59 Sdv
		0	0	0	0	0	1 Min
		105	112	87	104	91	387 Max

Number of Observations: 123

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
NH-03	47	Nematoda	0	2	0	0	0	2
	5001230602	<i>Eusyllis blomstrandii</i>	0	0	0	0	1	1
	5001240501	<i>Platynereis bicanaliculata</i>	0	0	0	1	0	1
	5001431702	<i>Parapriionospio pinnata</i>	0	2	0	0	0	2
	500150	Cirratulidae	1	0	0	0	0	1
	5001500103	<i>Cirratulus spectabilis</i>	0	3	1	1	0	5
	5001600101	<i>Capitella capitata</i>	11	44	37	21	13	126
	5001631001	<i>Rhodine bitorquata</i>	0	1	0	0	0	1
	50017001	<i>Chone spp.</i>	0	1	0	0	0	1
	51080101	<i>Odostomia spp.</i>	0	1	0	0	0	1
	5502020201	<i>Nucula tenuis</i>	0	1	0	0	0	1
	5515020201	<i>Axinopsida serricata</i>	0	1	0	0	0	1
	5515310112	<i>Macoma carlottensis</i>	1	1	1	0	0	3
	5515470501	<i>Psephidia lordei</i>	0	2	0	0	0	2
	6111070301	<i>Euphilomedes carcharodonta</i>	0	0	0	0	0	0
	6154040202	<i>Eudorella pacifica</i>	0	2	0	0	0	2
	6154050101	<i>Diastylis alaskensis</i>	0	0	0	0	1	1
	6169060203	<i>Aoroides inermis</i>	0	1	0	0	0	1
	6169060204	<i>Aoroides spinosus</i>	0	0	0	1	0	1
	6169150201	<i>Corophium acherusicum</i>	1	0	1	0	0	2
	6169201307	<i>Rhachotropis oculata</i>	0	0	0	1	0	1
	6169371502	<i>Westwoodilla caecula</i>	0	1	0	0	0	1
	617101	Caprellidae	0	1	0	0	0	1
	6171010707	<i>Caprella alaskana</i>	0	2	0	0	0	2
			15	65	41	25	15	161
			1	3	2	1	1	7
			5	78	57	18	7	646
			2	9	8	4	3	25
			0	0	0	0	0	1
			11	44	37	21	13	126
								Max

Number of Observations: 24

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
NH-04	3701	Hydrozoa	1	0	0	0	0	1
	375901	Edwardsiidae	1	0	0	0	0	1
	47	Nematoda	1	0	0	0	5	6
	500102	Polynoidae	2	0	0	0	0	2
	5001020806	Harmothoe imbricata	0	0	0	0	1	1
	5001060101	Pholoe minuta	1	3	0	0	0	4
	5001080101	Paleonotus bellis	3	2	0	0	0	5
	5001130205	Eteone longa	0	2	1	0	0	3
	50011314	Phyllodoce spp.	0	4	0	0	0	4
	5001131402	Phyllodoce (Aponaitides) hartmanae	1	0	0	0	3	4
	5001210102	Gyptis brevipalpa	0	3	0	0	0	3
	50012301	Autolytus spp.	0	0	0	0	1	1
	5001230302	Syllis gracilis	0	0	0	0	1	1
	5001230703	Exogone lourei	0	1	0	0	0	1
	5001240406	Nereis zonata	0	0	0	1	1	2
	5001240501	Platynereis bicanaliculata	4	2	8	3	3	20
	50012501	Nephtys spp.	0	1	0	0	0	1
	5001280101	Glycinde picta	0	1	0	0	0	1
	5001280103	Glycinde armigera	0	0	1	0	0	1
	5001290202	Diopatra ornata	0	0	1	0	0	1
	50013101	Lumbrineris spp.	6	3	0	3	5	17
	5001310109	Lumbrineris luti	1	0	0	0	0	1
	5001360101	Dorvillea pseudorubrovittata	0	0	0	0	1	1
	5001360504	Schistomerengos rudolphi	0	0	1	0	0	1
	5001430401	Polydora giardi	0	0	2	0	1	3
	5001430429	Polydora brachycephala	0	3	1	0	0	4
	5001430431	Polydora cardalia	0	0	1	0	0	1
	5001430502	Prionospio cirrifera	1	2	0	0	2	5
	5001430506	Prionospio steenstrupi	20	16	6	4	18	64
	5001430701	Spio filicornis	0	0	0	1	0	1
	5001440105	Magelona longicornis	1	0	0	0	0	1
	5001490302	Spiochaetopterus costarum	3	2	1	0	4	10
	500150	Cirratulidae	2	3	1	0	1	7
	5001500101	Cirratulus cirratus	1134	680	662	385	933	3794
	5001500103	Cirratulus spectabilis	1	0	7	14	0	22
	5001500201	Caulleriella hamata	0	16	2	0	10	28
	5001500302	Tharyx multifilis	29	4	0	1	0	34
	50015004	Chaetozone spp.	1	0	1	0	0	2
	5001580202	Armandia brevis	1	4	4	4	0	13
	5001600101	Capitella capitata	63	74	53	10	58	258
	500170	Sabellidae	1	0	0	0	0	1
	5001700212	Euchone limnicola	2	0	0	0	0	2
	5105010301	Urosalpinx cinerea	0	0	1	0	0	1
	51080101	Odostomia spp.	0	0	10	0	15	25
	5110060101	Aglaja diomedaeum	1	0	0	0	2	3
	5130020102	Cadlina luteomarginata	0	1	0	0	0	1
	55070105	Dacrydium spp.	0	0	2	0	0	2
	5515020201	Axinopsida serricata	1	0	1	0	0	2

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total	
NH-04	5515100102	<i>Mysella tumida</i>	2	0	2	0	0	4	
	5515220104	<i>Clinocardium californiense</i>	0	0	0	2	0	2	
	5515310112	<i>Macoma carlottensis</i>	4	4	7	0	2	17	
	5515470701	<i>Protothaca staminea</i>	0	0	0	0	1	1	
	5517010203	<i>Mya truncata</i>	2	0	0	0	0	2	
	6001010107	<i>Nymphon pixellae</i>	1	0	0	0	1	2	
	611103	<i>Cylindroleberididae</i>	1	0	0	0	0	1	
	6111070301	<i>Euphilomedes carcharodonta</i>	8	2	2	2	1	15	
	6111070303	<i>Euphilomedes producta</i>	3	0	0	1	0	4	
	6154050101	<i>Diastylis alaskensis</i>	3	0	1	0	0	4	
	6157020103	<i>Leptochelia dubia</i>	0	0	0	0	1	1	
	6169020208	<i>Byblis millsii</i>	2	2	1	0	0	5	
	6169060202	<i>Aoroides spp.</i>	4	3	0	1	0	8	
	6169060203	<i>Aoroides columbiae</i>	0	0	0	1	0	1	
	6169060203	<i>Aoroides inermis</i>	0	0	0	2	0	2	
	6169150201	<i>Corophium acherusicum</i>	1	2	0	0	0	3	
	616921	<i>Gammaridae</i>	1	2	2	1	0	6	
	6169260201	<i>Photis brevipes</i>	0	4	0	0	0	4	
	6169260312	<i>Protomedieia prudens</i>	1	2	0	0	1	4	
	6169371402	<i>Synchelidium shoemakeri</i>	1	1	1	0	0	3	
	6169371502	<i>Westwoodilla caecula</i>	2	1	1	1	0	5	
	6169420930	<i>Foxiphalus similis</i>	0	1	0	0	0	1	
	6169430302	<i>Parapleustes pugettensis</i>	0	1	1	0	0	2	
	6171010707	<i>Caprella alaskana</i>	0	0	1	0	0	1	
	6179	<i>Caridea</i>	0	0	0	2	0	2	
	617916	<i>Hippolytidae</i>	0	0	7	0	0	7	
	6179160408	<i>Eualus pusillus</i>	0	0	0	1	0	1	
	617922	<i>Crangonidae</i>	1	0	2	0	0	3	
	61830402	<i>Callianassa spp.</i>	2	0	1	0	0	3	
	6187010503	<i>Pugettia gracilis</i>	0	0	1	0	0	1	
	6188030103	<i>Cancer branneri</i>	2	0	0	2	1	5	
	6189020101	<i>Lophopanopeus bellus</i>	0	0	1	0	0	1	
	6189060404	<i>Pinnixa schmitti</i>	0	1	0	0	2	3	
			1323	853	798	442	1075	4491	Sum
			16	11	10	5	13	55	Ave
			****	5745	5420	1827	****	*****	Var
			126	76	74	43	104	422	Sdv
			0	0	0	0	0	1	Min
			1134	680	662	385	933	3794	Max

Number of Observations: 81

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
NH-08 37590101	<i>Edwardsia</i> spp.	0	1	0	0	0	1
500102	<i>Polynoidae</i>	1	0	0	0	0	1
5001080101	<i>Paleonotus bellis</i>	3	0	0	0	0	3
5001130102	<i>Phylloedo (Anaitides) groenlandica</i>	4	5	0	0	0	9
5001130104	<i>Phylloedo (Anaitides) mucosa</i>	0	0	0	1	0	1
5001130203	<i>Eteone pacifica</i>	1	0	0	0	0	1
5001130205	<i>Eteone longa</i>	12	8	0	5	6	31
5001131101	<i>Eulalia (Eumida) sanguinea</i>	1	2	0	0	0	3
5001131402	<i>Phylloedo (Aponaitides) hartmanae</i>	1	1	0	1	1	4
5001210102	<i>Gyptis brevipalpa</i>	3	0	0	0	0	3
5001230308	<i>Syllis elongata</i>	1	1	0	0	0	2
5001230703	<i>Exogone lourei</i>	1	0	0	0	0	1
50012404	<i>Nereis</i> spp.	0	1	0	0	0	1
5001240406	<i>Nereis zonata</i>	0	0	0	0	1	1
5001240501	<i>Platynereis bicanaliculata</i>	9	1	0	0	5	15
5001250111	<i>Nephtys ferruginea</i>	1	0	0	1	0	2
5001270101	<i>Glycera capitata</i>	3	5	1	2	6	17
5001280101	<i>Glycinde picta</i>	1	0	0	1	1	3
5001290202	<i>Diopatra ornata</i>	5	0	1	1	2	9
50013101	<i>Lumbrineris</i> spp.	59	44	11	22	19	155
5001310109	<i>Lumbrineris luti</i>	2	0	0	2	0	4
5001310118	<i>Lumbrineris cruzensis</i>	62	47	17	13	20	159
5001360504	<i>Schistomerings rudolphi</i>	0	0	0	1	0	1
5001430401	<i>Polydora giardi</i>	0	0	1	0	0	1
5001430431	<i>Polydora cardalia</i>	1	2	0	5	0	8
5001430502	<i>Prionospio cirrifera</i>	0	1	0	0	0	1
5001430506	<i>Prionospio steenstrupi</i>	5	2	0	2	1	10
5001490302	<i>Spiochaetopterus costarum</i>	13	6	11	21	12	63
500150	<i>Cirratulidae</i>	4	0	0	0	0	4
5001500101	<i>Cirratulus cirratus</i>	8	10	4	8	9	39
5001500103	<i>Cirratulus spectabilis</i>	7	8	7	5	4	31
5001500201	<i>Caulieriella hamata</i>	7	13	0	6	15	41
5001500302	<i>Tharyx multifilis</i>	417	329	56	110	219	1131
50015004	<i>Chaetozone</i> spp.	14	17	2	11	19	63
5001580202	<i>Armandia brevis</i>	1	0	0	0	0	1
500160	<i>Capitellidae</i>	0	1	0	0	2	3
5001600101	<i>Capitella capitata</i>	10	11	2	2	4	29
5001600203	<i>Heteromastus filobranchus</i>	3	0	0	0	0	3
5001600302	<i>Notomastus tenuis</i>	11	5	0	0	1	17
5001600303	<i>Notomastus lineatus</i>	1	0	0	0	0	1
5001600402	<i>Mediomastus californiensis</i>	11	6	2	3	2	24
5001600601	<i>Barantolla americana</i>	2	0	0	0	1	3
5001660303	<i>Pectinaria granulata</i>	1	0	0	0	0	1
5001660304	<i>Pectinaria californiensis</i>	0	0	0	0	1	1
5001670701	<i>Anobothrus gracilis</i>	1	0	0	0	0	1
5001670804	<i>Asabellides lineata</i>	0	0	1	0	0	1
50016808	<i>Polycirrus</i> spp.	60	53	5	20	8	146
500170	<i>Sabellidae</i>	0	0	1	0	0	1

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total	
NH-08	5001700212	<i>Euchone limnicola</i>	0	1	0	0	0	1	
	50017008	<i>Sabellidae spp.</i>	1	1	0	0	0	2	
	5103760201	<i>Matica clausa</i>	1	0	0	0	0	1	
	5105030204	<i>Mitrella gouldi</i>	0	7	0	5	0	12	
	5105080101	<i>Nassarius mendicus</i>	1	0	0	0	0	1	
	51080101	<i>Odostomia spp.</i>	68	4	3	13	7	95	
	5108010201	<i>Turbonilla torquata</i>	12	9	0	3	2	26	
	5110060101	<i>Aglaja diomedaeum</i>	1	0	1	1	0	3	
	5110070101	<i>Gastropteron pacificum</i>	0	1	0	1	0	2	
	5110120101	<i>Haminoea vesicula</i>	1	0	0	0	0	1	
	5502020201	<i>Nucula tenuis</i>	0	0	0	1	0	1	
	5507010301	<i>Megacrerella columbiana</i>	2	1	0	1	1	5	
	5509090101	<i>Pododesmus macroschisma</i>	0	0	2	0	0	2	
	5515010201	<i>Lucinoma acutilineata</i>	0	0	0	0	1	1	
	5515020201	<i>Axinopsida serricata</i>	52	33	6	11	37	139	
	5515100102	<i>Mysella tumida</i>	0	1	2	2	2	7	
	5515220104	<i>Clinocardium californiense</i>	1	0	0	1	0	2	
	5515220301	<i>Nemocardium centifilosum</i>	1	2	0	0	0	3	
	5515290201	<i>Solen sicarius</i>	0	0	0	1	0	1	
	5515310106	<i>Macoma obliqua</i>	0	0	0	2	0	2	
	5515310112	<i>Macoma carlottensis</i>	5	5	1	0	1	12	
	5515470501	<i>Psephidia lordi</i>	3	5	0	0	1	9	
	6001060299	<i>Anoplodactylus viridintestinale</i>	1	0	0	0	0	1	
	6111	<i>Myodocopa</i>	0	0	0	0	1	1	
	6111070301	<i>Euphilomedes carcharodonta</i>	14	11	4	9	11	49	
	6111070303	<i>Euphilomedes producta</i>	1	1	0	0	1	3	
	6154010105	<i>Lamprops quadriplicata</i>	0	0	0	0	1	1	
	6154050101	<i>Diastylis alaskensis</i>	0	0	0	1	1	2	
	616921	<i>Gammaridae</i>	1	0	0	0	0	1	
	6169371402	<i>Synchelidium shoemakeri</i>	2	0	0	0	0	2	
	6179	<i>Caridea</i>	2	0	0	0	0	2	
	617916	<i>Hippolytidae</i>	1	0	0	0	0	1	
	617922	<i>Crangonidae</i>	1	0	0	0	0	1	
	6184	<i>Brachyura</i>	1	0	0	0	0	1	
	6188030103	<i>Cancer branneri</i>	1	1	0	1	0	3	
	6189060404	<i>Pinnixa schmitti</i>	1	1	2	3	2	9	
	7200020103	<i>Golfingia vulgaris</i>	0	1	0	0	0	1	
	84040501	<i>Ascidia spp.</i>	0	4	2	0	0	6	
			922	669	145	299	428	2463	Sum
			11	8	2	3	5	29	Ave
			2163	1322	42	157	579	15612	Var
			47	36	7	13	24	125	Sdv
			0	0	0	0	0	1	Min
			417	329	56	110	219	1131	Max

Number of Observations: 86

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
NS-03	500102 Polynoidae	0	0	1	1	1	3
	5001060101 <i>Pholoe minuta</i>	2	1	4	3	3	13
	5001130104 <i>Phyllodoce (Anaitides) mucosa</i>	0	0	0	0	1	1
	5001130205 <i>Eteone longa</i>	0	2	0	1	1	4
	5001130803 <i>Phyllodoce (Paramaitis) polynoides</i>	1	1	0	0	0	2
	50011314 Phyllodoce spp.	0	0	2	0	1	3
	5001131402 <i>Phyllodoce (Aponaitides) hartmanae</i>	1	0	0	0	0	1
	5001230308 <i>Syllis elongata</i>	0	0	1	0	0	1
	5001230703 <i>Exogone lourei</i>	0	2	14	8	7	31
	5001240303 <i>Nereis limnicola</i>	0	0	0	1	1	2
	5001240406 <i>Nereis zonata</i>	0	1	0	0	0	1
	5001240501 <i>Platynereis bicanaliculata</i>	0	0	0	1	0	1
	50012501 Nephtys spp.	0	0	1	0	0	1
	500125010402 <i>Nephtys cornuta cornuta</i>	0	0	1	0	0	1
	5001250111 <i>Nephtys ferruginea</i>	2	4	4	2	3	15
	5001260103 <i>Sphaerodoropsis sphaerulifer</i>	5	4	15	4	4	32
	5001270101 <i>Glycera capitata</i>	4	5	2	2	3	16
	5001280101 <i>Glycinde picta</i>	0	1	3	0	0	4
	5001280103 <i>Glycinde armigera</i>	1	0	0	2	1	4
	5001280202 <i>Goniada maculata</i>	1	4	2	1	3	11
	50012901 Onuphis spp.	0	0	0	0	1	1
	5001290111 <i>Onuphis elegans</i>	1	0	5	4	0	10
	5001290202 <i>Diopatra ornata</i>	1	0	0	0	0	1
	50013101 Lumbrineris spp.	5	8	4	9	5	31
	5001310109 <i>Lumbrineris luti</i>	4	7	4	8	2	25
	5001310118 <i>Lumbrineris cruzensis</i>	0	1	0	0	0	1
	5001310132 <i>Lumbrineris californiensis</i>	0	0	3	0	0	3
	500133010402 <i>Driloneris falcata minor</i>	1	0	0	1	0	2
	5001400102 <i>Leitoscoloplos pugettensis</i>	4	2	3	5	4	18
	5001400510 <i>Orbinia (Phylo) felix</i>	0	0	0	2	1	3
	5001410201 <i>Aricidea suecica</i>	0	0	1	0	0	1
	5001410801 <i>Levinsenia gracilis</i>	2	2	0	0	0	4
	5001430201 <i>Laonice cinnata</i>	2	1	0	0	0	3
	5001430402 <i>Polydora socialis</i>	1	1	0	0	0	2
	5001430429 <i>Polydora brachycephala</i>	7	13	1	8	2	31
	5001430431 <i>Polydora cardalia</i>	6	3	0	5	4	18
	5001430502 <i>Prionospio cirrifera</i>	0	2	2	0	0	4
	5001430506 <i>Prionospio steenstrupi</i>	13	8	19	14	12	66
	5001430812 <i>Polydora (Boccardia) pugettensis</i>	1	0	0	0	1	2
	5001431004 <i>Spiophanes berkeleyorum</i>	0	0	1	3	0	4
	5001431702 <i>Paraprionospio pinnata</i>	0	1	0	0	0	1
	5001440105 <i>Magelona longicornis</i>	1	0	0	2	1	4
	500149 Chaetopteridae	0	0	1	0	0	1
	5001490302 <i>Spiochaetopterus costarum</i>	12	13	1	12	10	48
	5001490401 <i>Mesochaetopterus taylori</i>	0	0	1	0	0	1
	500150 Cirratulidae	1	0	0	0	0	1
	50015003 Tharyx spp.	0	0	0	3	2	5
	5001500302 <i>Tharyx multifilis</i>	4	14	27	2	3	50

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
NS-03	50015004	<i>Chaetozone</i> spp.	1	1	5	0	0	7
	5001580607	<i>Ophelina acuminata</i>	2	0	1	2	0	5
	500160	<i>Capitellidae</i>	1	1	0	0	3	5
	5001600101	<i>Capitella capitata</i>	1	0	0	0	0	1
	5001600203	<i>Heteromastus filobranchus</i>	2	0	0	0	5	7
	5001600302	<i>Notomastus tenuis</i>	20	13	20	24	27	104
	5001600402	<i>Mediomastus californiensis</i>	1	2	4	5	1	13
	5001600601	<i>Barantolla americana</i>	0	4	0	8	1	13
	500163	<i>Maldanidae</i>	3	1	2	3	2	11
	5001630901	<i>Praxillella gracilis</i>	0	0	0	2	1	3
	5001631103	<i>Euclymene zonalis</i>	0	1	0	6	2	9
	5001631206	<i>Clymenura columbiana</i>	0	0	0	1	0	1
	5001660303	<i>Pectinaria granulata</i>	2	2	6	1	4	15
	5001660304	<i>Pectinaria californiensis</i>	1	3	1	0	2	7
	5001670208	<i>Ampharete acutifrons</i>	1	0	1	0	1	3
	5001670701	<i>Anobothrus gracilis</i>	0	1	0	0	1	2
	50016808	<i>Polycirrus</i> spp.	7	6	6	12	6	37
	5001681803	<i>Scionella estevanica</i>	0	0	1	3	0	4
	500170	<i>Sabellidae</i>	0	1	0	0	0	1
	50017001	<i>Chone</i> spp.	0	0	0	0	1	1
	5001700204	<i>Euchone incolor</i>	0	0	0	1	0	1
	5001700212	<i>Euchone limnicola</i>	0	0	0	1	0	1
	5103640301	<i>Crepidatella lingulata</i>	0	1	0	0	0	1
	5105030204	<i>Mitrella gouldi</i>	3	0	3	0	8	14
	51080101	<i>Odostomia</i> spp.	49	39	135	38	22	283
	5502020201	<i>Nucula tenuis</i>	22	8	9	7	25	71
	5502040203	<i>Nuculana fossa</i>	1	1	0	0	1	3
	5507010301	<i>Megacrenella columbiana</i>	1	24	26	40	35	126
	5509090101	<i>Pododesmus macroschisma</i>	0	1	0	0	0	1
	5515010101	<i>Parvilucina tenuisculpta</i>	4	0	3	2	1	10
	5515010201	<i>Lucinoma acutilineata</i>	2	5	1	0	1	9
	5515020201	<i>Axinopsida serricata</i>	138	137	166	132	174	747
	5515020325	<i>Thyasira gouldii</i>	0	0	0	1	1	2
	5515100102	<i>Mysella tumida</i>	0	0	6	0	0	6
	5515220104	<i>Clinocardium californiense</i>	0	0	0	0	2	2
	5515220301	<i>Nemocardium centifolium</i>	2	2	2	1	1	8
	5515290201	<i>Solen sicarius</i>	0	1	1	0	2	4
	5515310102	<i>Macoma elimata</i>	10	22	26	16	25	99
	551531010702	<i>Macoma moesta alaskana</i>	4	0	3	1	0	8
	5515310111	<i>Macoma yoldiformis</i>	0	0	1	0	1	2
	5515310112	<i>Macoma carlottensis</i>	109	70	62	149	77	467
	5515310203	<i>Tellina carpenteri</i>	0	1	1	0	0	2
	5515470301	<i>Compsomyax subdiaphana</i>	0	0	1	0	0	1
	5515470501	<i>Psephidia lordi</i>	2	19	53	104	75	253
	5517010201	<i>Mya arenaria</i>	1	0	0	0	0	1
	5520020102	<i>Pandora filosa</i>	0	0	1	0	0	1
	5520050202	<i>Lyonsia californica</i>	0	0	3	2	0	5
	6111	<i>Myodocopa</i>	1	0	4	0	1	6

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
NS-03	611103 Cylindroleberididae	0	1	0	0	0	1
	6111060103 Rutiderma lomae	0	1	0	0	0	1
	6111070301 Euphilomedes carcharodonta	192	145	213	145	182	877
	6111070303 Euphilomedes producta	53	50	63	28	68	262
	6154040202 Eudorella pacifica	0	1	5	0	0	6
	6154050101 Diastylys alaskensis	3	4	1	3	2	13
	6154070102 Campylaspis canaliculata	0	1	0	0	0	1
	6157020103 Leptochelia dubia	18	6	47	15	27	113
	6169020208 Byblis millsii	2	2	2	1	0	7
	61690602 Aoroides spp	0	0	1	0	0	1
	6169060206 Aoroides intermedius	0	0	1	0	0	1
	616921 Gammaridae	0	0	1	0	0	1
	6169211008 Melita desdichada	0	3	6	0	0	9
	6169342914 Orchomene decipiens	0	3	0	0	0	3
	6169371402 Synchelidium shoemakeri	0	1	3	0	1	5
	6169371502 Westwoodilla caecula	1	2	1	0	2	6
	616942 Phoxocephalidae	1	0	0	0	0	1
	6169420301 Heterophoxus oculatus	0	0	0	2	2	4
	6169420930 Foxiphalus similis	0	1	0	1	1	3
	6169430302 Parapleustes pugettensis	0	0	0	1	0	1
	6179 Caridea	0	0	1	0	0	1
	617922 Crangonidae	0	0	1	0	0	1
	6184 Brachyura	0	0	3	0	0	3
	6187010503 Pugettia gracilis	1	0	1	3	5	10
	6188030103 Cancer branneri	0	0	0	1	0	1
	6189060404 Pinnixa schmitti	8	0	7	2	4	21
	7200020104 Golfingia pugettensis	0	0	0	2	0	2
	812903 Amphiuridae	0	0	0	1	0	1
		753	689	1034	871	880	4227
		6	6	8	7	7	34
		573	387	807	580	638	13721
		24	20	28	24	25	117
		0	0	0	0	0	1
		192	145	213	149	182	877
							Max

Number of Observations: 124

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
NS-08 47	Nematoda	106	82	167	62	46	463
5001080101	Paleonotus bellis	0	1	0	0	0	1
5001130205	Eteone longa	0	0	0	1	0	1
5001131101	Eulalia (Eumida) sanguinea	2	0	0	0	0	2
50011314	Phyllodoce spp.	1	0	0	0	0	1
5001131499	Phyllodoce (Anaitides) spp.	0	1	0	0	0	1
5001210102	Gyptis brevipalpa	1	0	0	0	0	1
50012301	Autolytus spp.	0	1	0	0	0	1
5001230302	Syllis gracilis	0	1	0	0	0	1
5001240501	Platynereis bicanaliculata	26	24	24	23	10	107
50013101	Lumbrineris spp.	1	0	0	0	0	1
5001360507	Schistomerings japonica	1	0	0	0	0	1
5001430502	Prionospio cirrifera	2	1	1	0	0	4
5001430506	Prionospio steenstrupi	0	0	0	1	0	1
5001500101	Cirratulus cirratus	2	0	3	0	0	5
5001500302	Tharyx multifilis	4	8	24	351	25	412
50015004	Chaetozone spp.	0	0	1	0	0	1
5001580202	Armandia brevis	3	2	1	2	1	9
5001600101	Capitella capitata	59	35	52	8	27	181
5001600203	Heteromastus filobranchus	0	0	0	1	1	2
5001600302	Notomastus tenuis	0	0	0	1	0	1
5001660304	Pectinaria californiensis	1	1	0	0	0	2
5103090301	Lacuna carinata	1	0	4	0	2	7
5103090302	Lacuna variegata	0	0	1	0	0	1
51080101	Odostomia spp.	3	4	3	6	14	30
5108011134	Turbonilla aurantia	0	0	0	1	0	1
5110120101	Haminoea vesicula	2	0	0	0	0	2
5507010502	Dacrydium vitreum	0	0	0	1	0	1
5515020201	Axinopsida serricata	2	0	2	5	1	10
5515100102	Mysella tumida	0	3	2	1	7	13
5515220104	Clinocardium californiense	1	0	0	0	3	4
5515310106	Macoma obliqua	0	0	0	0	2	2
5515310112	Macoma carlottensis	17	10	5	10	15	57
5515310114	Macoma nasuta	0	0	0	0	1	1
5515310203	Tellina carpenteri	0	0	0	1	1	2
5515470501	Psephidia lordi	0	2	3	3	2	10
5922	Acarina	1	0	0	0	0	1
6001060299	Anoplodactylus viridintestinale	1	1	0	1	0	3
6111070301	Euphilomedes carcharodonta	0	1	2	1	0	4
6111070303	Euphilomedes producta	0	0	1	0	0	1
6153013201	Alienacanthomysis macropsis	0	0	0	1	0	1
6169150201	Corophium acherusicum	1	0	0	0	0	1
6169260201	Photis brevipes	3	6	2	7	1	19
6169371402	Synchelidium shoemakeri	0	0	0	1	0	1
6179220102	Crangon alaskensis	0	0	1	1	0	2
6184	Brachyura	0	1	0	3	1	5
6188030103	Cancer branneri	1	0	0	1	0	2
6189060404	Pinnixa schmitti	3	0	1	0	0	4

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
NS-08	8172	Dendrochirotida	0	0	0	1	0	1
	8406020203	Boltenia villosa	0	0	0	0	1	1
			245	185	300	495	161	1386
			5	4	6	10	3	28
			297	165	613	2510	72	8063
			17	13	25	50	9	90
			0	0	0	0	0	1
			106	82	167	351	46	463
								Max

Number of Observations: 50

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
PS-01	3901	Turbellaria	0	1	0	0	0	1
	43	Nemertea	0	0	0	0	1	1
	43020101	Tubulanus spp.	0	0	0	0	1	1
	430302	Lineidae	1	0	0	0	0	1
	500102	Polynoidae	0	1	0	0	0	1
	5001020810	Harmothoe lunulata	0	0	0	0	1	1
	5001130102	Phyllodoce ( <i>Anaitides</i> ) groenlandica	2	0	1	0	1	4
	5001130205	Eteone longa	2	3	0	0	0	5
	5001230308	Syllis elongata	0	0	0	1	0	1
	5001230703	Exogone lourei	1	0	0	0	0	1
	5001240302	Nereis (neanthes) virens	0	0	0	1	0	1
	5001240501	Platynereis bicanaliculata	1	0	0	0	0	1
	50012501	Nephtys spp.	11	1	0	0	1	13
	5001250105	Nephtys punctata	0	2	0	0	3	5
	5001250111	Nephtys ferruginea	3	4	1	2	4	14
	5001270101	Glycera capitata	3	0	0	1	0	4
	5001280101	Glycinde picta	1	0	1	0	0	2
	500129	Onuphidae	0	0	0	0	1	1
	50013101	Lumbrineris spp.	30	31	11	9	22	103
	5001310109	Lumbrineris luti	35	11	20	14	8	88
	5001360504	Schistomerings rudolphi	0	2	0	0	0	2
	5001400301	Scoloplos armiger	0	0	0	1	0	1
	5001410201	Aricidea suecica	0	2	1	1	0	4
	5001410208	Acesta/Aricidea catherinae	1	0	0	0	0	1
	5001410801	Levinsenia gracilis	6	2	0	0	0	8
	5001430429	Polydora brachycephala	0	1	0	0	0	1
	5001430502	Prionospio cirrifera	0	1	0	0	0	1
	5001430506	Prionospio steenstrupi	1	3	0	2	0	6
	5001431702	Paraprionospio pinnata	0	0	0	0	1	1
	5001500302	Tharyx multifilis	5	4	2	2	5	18
	5001520101	Cossura longocirrata	11	8	0	1	0	20
	5001580607	Ophelina acuminata	4	2	2	4	0	12
	5001600101	Capitella capitata	1	0	0	0	0	1
	5001600203	Heteromastus filobranchus	8	5	5	3	9	30
	5001600402	Mediomastus californiensis	2	0	0	0	0	2
	500163	Maldanidae	4	4	2	1	1	12
	5001630302	Maldane glebifex	0	2	0	1	0	3
	5001630901	Praxillella gracilis	9	7	6	7	16	45
	5001631001	Rhodine bitorquata	1	0	0	0	0	1
	5001660304	Pectinaria californiensis	10	1	0	0	1	12
	5001670208	Ampharete acutifrons	0	0	0	0	1	1
	5001670302	Amphicteis glabra	1	0	0	0	0	1
	5001670501	Melinna cristata	1	0	0	0	0	1
	500168	Terebellidae	2	0	0	0	0	2
	5001680601	Nicolea zostericola	8	8	1	0	2	19
	5001680710	Pista brevibranchiata	1	0	2	2	4	9
	50016808	Polycirrus spp.	4	3	0	0	3	10
	5001690101	Terebellides stroemi	218	105	6	19	54	402

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total	
PS-01	500170	Sabellidae	7	0	0	0	0	7
	5001700204	Euchone incolor	1	2	0	0	1	4
	51080101	Odostomia spp.	26	16	11	20	14	87
	5108010201	Turbanilla torquata	0	0	1	0	0	1
	5108011133	Turbanilla lyalli	7	0	5	3	1	16
	5108011134	Turbanilla aurantia	1	11	4	6	7	29
	5110040101	Acteocina culcitella	0	0	0	1	0	1
	5131070101	Corambe pacifica	0	0	0	0	1	1
	5502020201	Nucula tenuis	0	0	1	1	0	2
	5515020201	Axiopsida serricata	14	7	11	5	9	46
	5515100102	Mysella tumida	3	2	7	1	7	20
	5515220104	Clinocardium californiense	0	2	0	5	2	9
	5515220301	Nemocardium centifilosum	0	3	0	1	1	5
	5515290201	Solen sicarius	2	1	1	1	0	5
	5515310102	Macoma elimata	0	1	1	2	0	4
	5515310112	Macoma carlottensis	9	13	12	17	12	63
	5515470301	Compsomyax subdiaphana	1	0	1	4	1	7
	5515470501	Psephidia lordi	69	103	77	78	142	469
	5517010201	Mya arenaria	0	0	0	0	1	1
	5520020102	Pandora filosa	0	0	1	0	0	1
	5520050202	Lyonsia californica	1	1	0	2	0	4
	6111070303	Euphilomedes producta	32	36	11	22	48	149
	6154040202	Eudorella pacifica	0	3	2	1	2	8
	6154050101	Diastylis alaskensis	1	1	0	0	0	2
	6157020103	Leptochelia dubia	3	8	0	0	0	11
	6169020113	Ampelisca hancocki	5	0	0	0	0	5
	6169060206	Aoroides intermedius	0	6	0	0	2	8
	616921	Gammaridae	0	3	1	2	4	10
	6169211008	Melita desdichada	2	6	4	2	4	18
	6169260307	Protomediea articulata	8	6	8	2	7	31
	6169260312	Protomediea prudens	176	117	107	86	115	601
	6169420301	Heterophoxus oculatus	7	18	15	14	14	68
	616948	Stenothoidae	2	0	0	0	0	2
	617101	Caprellidae	2	0	0	0	0	2
	6171010719	Caprella mendax	1	0	0	0	0	1
	6189060404	Pinnixa schmitti	0	1	0	0	1	2
	7400010101	Priapulus caudatus	2	0	0	0	0	2
		770	581	342	350	536	2579	Sum
		9	7	4	4	6	30	Ave
		969	419	209	170	441	8715	Var
		31	20	14	13	21	93	Sdv
		0	0	0	0	0	1	Min
		218	117	107	86	142	601	Max

Number of Observations: 85

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
PS-02	37590401	<i>Halcampa</i> spp	0	1	0	0	0	1
	4303	<i>Heteronemertea</i>	0	0	0	0	1	1
	43030202	<i>Cerebratulus</i> spp.	1	0	0	0	1	2
	43030204	<i>Lineus</i> spp.	0	1	0	0	5	6
	5001020810	<i>Harmothoe lunulata</i>	0	0	1	0	0	1
	5001022301	<i>Tenonia kitsapsensis</i>	0	0	0	1	1	2
	5001060101	<i>Pholoe minuta</i>	0	0	0	0	1	1
	5001130102	<i>Phyllodoce (Anaitides) groenlandica</i>	0	0	2	0	0	2
	5001130203	<i>Eteone pacifica</i>	0	1	0	1	0	2
	5001130205	<i>Eteone longa</i>	4	3	0	6	6	19
	5001131402	<i>Phyllodoce (Aponaitides) hartmanae</i>	0	0	0	0	1	1
	5001210102	<i>Gyptis brevipalpa</i>	1	0	0	0	0	1
	5001230703	<i>Exogone lourei</i>	0	1	0	0	0	1
	5001240406	<i>Nereis zonata</i>	0	0	1	0	0	1
	5001240501	<i>Platynereis bicanaliculata</i>	0	0	1	0	0	1
	5001250101	<i>Nephtys</i> spp.	1	0	0	0	1	2
	5001250105	<i>Nephtys punctata</i>	7	7	2	6	6	28
	5001250111	<i>Nephtys ferruginea</i>	7	7	7	7	11	39
	5001260103	<i>Sphaerodoropsis sphaerulifer</i>	0	2	0	0	1	3
	5001270101	<i>Glycera capitata</i>	1	1	0	0	0	2
	5001280101	<i>Glycinde picta</i>	1	1	3	0	2	7
	5001280103	<i>Glycinde armigera</i>	0	0	1	0	0	1
	50013101	<i>Lumbrineris</i> spp.	8	16	34	45	81	184
	5001310109	<i>Lumbrineris luti</i>	11	15	85	47	45	203
	5001400301	<i>Scoloplos armiger</i>	0	0	0	2	0	2
	5001400311	<i>Scoloplos acmeceps</i>	0	1	0	0	2	3
	5001410801	<i>Levinsenia gracilis</i>	2	17	12	8	9	48
	5001430431	<i>Polydora cardalia</i>	1	0	0	0	0	1
	5001430502	<i>Prionospio cirrifera</i>	4	12	14	36	6	72
	5001430506	<i>Prionospio steenstrupi</i>	1	5	2	0	3	11
	5001500302	<i>Tharyx multifilis</i>	0	3	6	7	8	24
	5001520101	<i>Cossura longocirrata</i>	1	5	4	3	2	15
	5001580607	<i>Ophelina acuminata</i>	5	11	8	12	5	41
	5001600203	<i>Heteromastus filobranchus</i>	2	0	19	7	11	39
	5001600402	<i>Mediomastus californiensis</i>	0	1	1	1	4	7
	5001600501	<i>Decamastus gracilis</i>	1	0	0	0	0	1
	500163	<i>Maldanidae</i>	44	76	15	8	19	162
	5001630302	<i>Maldane glebifex</i>	5	0	0	0	0	5
	5001630901	<i>Praxillella gracilis</i>	43	51	8	11	18	131
	5001630903	<i>Praxillella affinis</i>	15	20	4	1	4	44
	5001631001	<i>Rhodine bitorquata</i>	8	4	0	0	0	12
	50016311	<i>Euclymene</i> spp.	0	0	0	0	2	2
	5001631103	<i>Euclymene zonalis</i>	3	3	4	2	7	19
	5001640102	<i>Owenia fusiformis</i>	0	3	0	0	0	3
	5001660304	<i>Pectinaria californiensis</i>	0	0	1	1	0	2
	5001670208	<i>Ampharete acutifrons</i>	1	1	0	0	0	2
	5001670401	<i>Lysippe labiata</i>	0	3	1	0	0	4
	500168	<i>Terebellidae</i>	0	0	3	0	5	8

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
PS-02	<i>Nicolea zostericola</i>	2	1	8	0	3	14
50016808	<i>Polycirrus spp.</i>	0	4	2	1	19	26
5001690101	<i>Terebellides stroemi</i>	28	143	57	52	78	358
500170	<i>Sabellidae</i>	0	1	0	0	0	1
5001700204	<i>Euchone incolor</i>	0	0	1	0	0	1
5009020706	<i>Limnodriloides victoriensis</i>	0	0	6	2	3	11
5105140101	<i>Admete couthouyi</i>	0	0	0	0	1	1
51080101	<i>Odostomia spp.</i>	0	5	4	5	9	23
5108011134	<i>Turbonilla aurantia</i>	9	3	0	2	2	16
5131070101	<i>Corambe pacifica</i>	0	0	0	0	1	1
5502020201	<i>Nucula tenuis</i>	2	3	1	3	0	9
5515010201	<i>Lucinoma acutilineata</i>	0	1	0	1	0	2
5515020201	<i>Axinopsida serricata</i>	153	238	233	218	282	1124
5515100102	<i>Mysella tumida</i>	10	0	21	9	24	64
5515220104	<i>Clinocardium californiense</i>	16	3	11	5	24	59
5515220301	<i>Nemocardium centifilosum</i>	3	2	0	2	0	7
5515290201	<i>Solen sicarius</i>	0	0	0	1	1	2
5515310102	<i>Macoma elimata</i>	8	4	1	3	2	18
5515310112	<i>Macoma carlottensis</i>	31	16	10	13	11	81
5515310203	<i>Tellina carpenteri</i>	0	2	0	0	0	2
5515470301	<i>Compsomyax subdiaphana</i>	1	0	1	0	0	2
5515470501	<i>Psephidia lordi</i>	85	72	16	35	0	208
5517010201	<i>Mya arenaria</i>	2	2	3	2	2	11
6111060103	<i>Rutiderma lomae</i>	0	1	0	1	0	2
6111070301	<i>Euphilomedes carcharodonta</i>	49	40	10	27	11	137
6111070303	<i>Euphilomedes producta</i>	3	3	49	9	49	113
6154040202	<i>Eudorella pacifica</i>	1	4	1	3	1	10
6154070101	<i>Campylaspis rufa</i>	1	0	0	0	1	2
6157020103	<i>Leptochelia dubia</i>	0	0	0	1	0	1
6169020125	<i>Ampelisca brevisimulata</i>	4	2	1	1	1	9
6169020135	<i>Ampelisca careyi</i>	0	1	3	0	0	4
6169020208	<i>Byblis millsii</i>	0	7	1	0	0	8
616921	<i>Gammaridae</i>	2	0	0	1	0	3
6169211008	<i>Melita desdichada</i>	4	0	0	2	11	17
6169260312	<i>Protomedieia prudens</i>	15	7	0	6	10	38
6169342802	<i>Opisa tridentata</i>	0	1	0	1	0	2
6169345701	<i>Prachynella lodo</i>	0	1	0	0	0	1
616937089999	Monoculodes sp. A (Elliott Bay only)	0	1	0	0	0	1
6169371403	<i>Synchelidium rectipalmum</i>	0	7	0	0	0	7
6169371502	<i>Westwoodilla caecula</i>	0	3	0	1	6	10
616942	<i>Phoxocephalidae</i>	0	1	0	0	0	1
6169420301	<i>Heterophoxus oculatus</i>	3	0	0	11	8	22
6179	<i>Caridea</i>	0	0	1	0	0	1
6179160408	<i>Eualus pusiolus</i>	0	2	0	0	0	2
61830402	<i>Callianassa spp.</i>	4	1	0	1	3	9
6189060404	<i>Pinnixa schmitti</i>	0	1	0	0	1	2
8401	<i>Ascidiatea</i>	0	0	0	1	0	1

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
<hr/>							
PS-02		614	855	680	632	832	3613 Sum
		6	9	7	7	9	38 Ave
		384	923	700	582	988	15784 Var
		20	30	26	24	31	126 Sdv
		0	0	0	0	0	1 Min
		153	238	233	218	282	1124 Max

Number of Observations: 95

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
PS-03	43	Nemertea	0	0	0	0	1	1
	43020101	<i>Tubulanus</i> spp.	0	1	0	0	0	1
	43020104	<i>Tubulanus pellucidus</i>	0	1	1	1	0	3
	4303	Heteronemertea	0	0	0	3	0	3
	43030202	<i>Cerebratulus</i> spp.	0	0	1	1	0	2
	43030204	<i>Lineus</i> spp.	2	0	1	0	1	4
	47	Nematoda	0	0	5	0	0	5
	5001020810	<i>Harmothoe lunulata</i>	0	0	1	0	0	1
	5001130102	<i>Phyllocoete (Anaitides) groenlandica</i>	0	0	1	0	1	2
	5001130205	<i>Eteone longa</i>	0	1	0	0	0	1
	5001130701	<i>Phyllocoete (Genetyllis) castanea</i>	2	0	2	0	0	4
	5001131402	<i>Phyllocoete (Aponaitides) hartmanae</i>	0	0	1	0	0	1
	5001250111	<i>Nephtys ferruginea</i>	5	2	5	1	2	15
	5001270101	<i>Glycera capitata</i>	4	1	1	3	4	13
	5001280103	<i>Glycinde armigera</i>	0	0	0	0	2	2
	5001280202	<i>Goniada maculata</i>	1	1	5	2	0	9
	5001290111	<i>Onuphis elegans</i>	1	0	0	0	0	1
	50013101	<i>Lumbrineris</i> spp.	2	9	0	3	2	16
	5001310109	<i>Lumbrineris luti</i>	46	23	26	25	37	157
	5001310128	<i>Lumbrineris limicola</i>	0	0	0	1	0	1
	500133010402	<i>Drilonneris falcata minor</i>	0	0	1	1	0	2
	5001400102	<i>Leitoscoloplos pugettensis</i>	10	14	14	22	13	73
	5001400510	<i>Orbinia (Phylo) felix</i>	0	1	0	0	0	1
	5001410201	<i>Aricidea suecica</i>	4	1	0	1	3	9
	5001410801	<i>Levinsenia gracilis</i>	0	1	0	0	0	1
	50014304	<i>Polydora</i> spp.	0	0	0	0	1	1
	5001430402	<i>Polydora socialis</i>	0	0	1	0	0	1
	5001430431	<i>Polydora cardalia</i>	1	0	0	1	0	2
	5001430502	<i>Prionospio cirrifera</i>	0	1	1	1	1	4
	5001430506	<i>Prionospio steenstrupi</i>	2	1	0	1	1	5
	5001500302	<i>Tharyx multifilis</i>	1	2	2	0	3	8
	5001520101	<i>Cossura longocirrata</i>	1	0	1	0	0	2
	5001580401	<i>Travisia brevis</i>	1	0	0	1	2	4
	5001580607	<i>Ophelina acuminata</i>	2	2	5	4	7	20
	500160	Capitellidae	1	0	0	0	0	1
	5001600201	<i>Heteromastus filiformis</i>	1	0	0	0	0	1
	5001600402	<i>Mediomastus californiensis</i>	1	0	0	0	1	2
	5001600501	<i>Decamastus gracilis</i>	0	1	0	0	0	1
	5001600601	<i>Barantolla americana</i>	1	0	0	0	0	1
	500163	Maldanidae	7	5	6	9	3	30
	5001630901	<i>Praxillella gracilis</i>	1	0	3	2	0	6
	5001630903	<i>Praxillella affinis</i>	4	2	8	18	4	36
	5001631001	<i>Rhodine bitorquata</i>	2	3	3	3	1	12
	50016311	<i>Euclymene</i> spp.	1	0	0	0	0	1
	5001631103	<i>Euclymene zonalis</i>	0	0	1	0	0	1
	5001631206	<i>Clymenura columbiana</i>	0	0	1	0	0	1
	5001640102	<i>Owenia fusiformis</i>	1	0	0	0	0	1
	5001640201	<i>Myriochele heeri</i>	0	0	1	0	0	1

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
PS-03	<i>Pectinaria granulata</i>	3	2	2	2	3	12
	<i>Ampharete acutifrons</i>	4	2	4	6	1	17
	<i>Lysippe labiata</i>	2	2	1	1	1	7
	<i>Terebellidae</i>	1	0	0	0	0	1
	<i>Nicolea zostericola</i>	11	0	5	11	10	37
	<i>Polycirrus spp.</i>	5	3	0	3	0	11
	<i>Lephania boecki</i>	0	0	0	0	3	3
	<i>Terebellides stroemi</i>	5	4	5	15	5	34
	<i>Sabellidae</i>	1	0	0	0	0	1
	<i>Chone spp.</i>	0	0	1	0	0	1
	<i>Chone duneri</i>	0	1	0	0	0	1
	<i>Euchone incolor</i>	5	1	0	7	13	26
	<i>Mitrella gouldi</i>	2	0	0	0	0	2
	<i>Odostomia spp.</i>	8	11	3	18	0	40
	<i>Turbanilla lyalli</i>	2	1	0	1	0	4
	<i>Turbanilla aurantia</i>	1	0	0	0	0	1
	<i>Aglaja diomedea</i>	0	0	0	2	1	3
	<i>Nucula tenuis</i>	1	2	5	1	2	11
	<i>Lucinoma acutilineata</i>	0	1	0	1	0	2
	<i>Axinopsida serricata</i>	38	11	40	33	34	156
	<i>Mysella tumida</i>	2	0	0	3	2	7
	<i>Clinocardium californiense</i>	13	23	8	21	18	83
	<i>Nemocardium centifilosum</i>	1	2	6	0	0	9
	<i>Spisula falcata</i>	1	1	0	1	1	4
	<i>Solen sicarius</i>	6	0	2	0	1	9
	<i>Macoma elimata</i>	2	1	4	1	2	10
	<i>Macoma yoldiformis</i>	0	0	0	0	1	1
	<i>Macoma carlottensis</i>	4	5	3	3	0	15
	<i>Tellina carpenteri</i>	5	5	7	1	4	22
	<i>Compsomyax subdiaphana</i>	0	0	0	0	1	1
	<i>Psephidia lordi</i>	192	177	173	219	245	1006
	<i>Protothaca staminea</i>	1	0	1	1	1	4
	<i>Mya arenaria</i>	0	1	0	0	0	1
	<i>Lyonsia californica</i>	0	1	0	1	0	2
	<i>Rutiderma lomae</i>	1	1	4	0	3	9
	<i>Euphilomedes carcharodonta</i>	52	48	36	47	67	250
	<i>Euphilomedes producta</i>	45	29	18	50	50	192
	<i>Acanthomysis nephrophthalma</i>	4	2	1	0	0	7
	<i>Campylaspis rubicunda</i>	1	0	0	0	0	1
	<i>Leptognathia brevimana</i>	1	0	0	0	0	1
	<i>Haliophasma geminata</i>	1	0	0	0	0	1
	<i>Ampelisca brevisimulata</i>	4	3	0	1	3	11
	<i>Ampelisca careyi</i>	1	0	1	0	0	2
	<i>Melita desdichada</i>	0	2	0	0	0	2
	<i>Protomediea prudens</i>	2	0	3	1	2	8
	<i>Orchomene decipiens</i>	0	1	0	0	0	1
	<i>Heterophoxus oculatus</i>	0	1	0	0	0	1
	<i>Rhepoxynius variatus</i>	1	0	0	0	0	1

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa, Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
PS-03	61830402	Callianassa spp.	3	0	2	1	1	7
	6189060404	Pinnixa schmitti	1	1	1	0	1	4
	77	Phoronida	3	0	0	0	0	3
	7700010102	Phoronopsis harmeri	3	0	1	0	0	4
	8170	Holothuroidea	1	0	0	0	0	1
			545	418	435	556	566	2520
			5	4	4	6	6	25
			431	345	327	535	674	11206
			21	19	18	23	26	106
			0	0	0	0	0	1
			192	177	173	219	245	1006
								Max

Number of Observations: 101

## APPENDIX E-3. (CONTINUED)

Station	NOOC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
PS-04	4302010104	<i>Tubulanus pellucidus</i>	0	0	0	2	0	2
	4303	<i>Heteronemertea</i>	0	0	0	2	0	2
	43030204	<i>Lineus spp.</i>	0	0	0	0	1	1
	47	<i>Nematoda</i>	0	0	2	0	0	2
	5001020810	<i>Harmothoe lunulata</i>	0	0	0	0	1	1
	5001021702	<i>Hesperoneoe adventor</i>	0	0	0	1	0	1
	5001130102	<i>Phyllodoce (Anaitides) groenlandica</i>	0	0	2	0	1	3
	5001130104	<i>Phyllodoce (Anaitides) mucosa</i>	0	0	0	1	0	1
	5001130205	<i>Eteone longa</i>	0	0	0	0	2	2
	5001130701	<i>Phyllodoce (Genetyllis) castanea</i>	0	0	0	1	0	1
	5001131402	<i>Phyllodoce (Aponaitides) hartmanae</i>	0	0	1	0	1	2
	50012303	<i>Syllis spp.</i>	0	0	0	0	1	1
	5001230703	<i>Exogone lourei</i>	5	1	11	10	19	46
	5001240406	<i>Nereis zonata</i>	0	0	1	1	3	5
	5001240501	<i>Platynereis bicanaliculata</i>	0	0	0	0	1	1
	5001250111	<i>Nephtys ferruginea</i>	4	1	1	11	5	22
	5001250121	<i>Nephtys assignis</i>	1	0	0	0	0	1
	5001260103	<i>Sphaerodoropsis sphaerulifer</i>	0	0	2	0	0	2
	5001270101	<i>Glycera capitata</i>	2	1	2	3	5	13
	5001280101	<i>Glycinde picta</i>	0	2	0	0	0	2
	50012802	<i>Goniada spp.</i>	1	1	0	0	0	2
	5001280202	<i>Goniada maculata</i>	0	0	0	0	3	3
	5001280203	<i>Goniada brunnea</i>	3	0	5	5	0	13
	5001290111	<i>Onuphis elegans</i>	0	0	2	2	0	4
	50013101	<i>Lumbrineris spp.</i>	5	3	1	6	7	22
	5001310109	<i>Lumbrineris luti</i>	10	11	23	14	18	76
	500133010402	<i>Driloneris falcata minor</i>	0	0	2	0	1	3
	5001360101	<i>Dorvillea pseudorubrovittata</i>	0	0	0	0	1	1
	5001360504	<i>Schistomerengos rudolphi</i>	0	0	0	1	0	1
	5001400102	<i>Leitoscoloplos pugettensis</i>	8	6	8	7	6	35
	5001400311	<i>Scoloplos acmeceps</i>	0	0	0	1	0	1
	5001410201	<i>Aricidea suecica</i>	2	1	1	0	1	5
	5001430201	<i>Laonice cirrata</i>	0	0	0	0	1	1
	5001430402	<i>Polydore socialis</i>	0	0	0	0	1	1
	5001430431	<i>Polydore cardalia</i>	1	0	0	1	0	2
	5001430502	<i>Prionospio cirrifera</i>	0	0	0	1	0	1
	5001430506	<i>Prionospio steenstrupi</i>	1	1	0	4	5	11
	5001440105	<i>Magelona longicornis</i>	0	0	1	0	0	1
	500149	<i>Chaetopteridae</i>	0	0	0	1	0	1
	5001490302	<i>Spiochaetopterus costarum</i>	0	0	1	0	1	2
	5001490401	<i>Mesochaetopterus taylori</i>	0	0	0	1	0	1
	500150	<i>Cirratulidae</i>	0	0	4	0	5	9
	5001500101	<i>Cirratulus cirratus</i>	0	0	0	1	3	4
	50015003	<i>Tharyx spp.</i>	0	1	1	2	0	4
	5001500302	<i>Tharyx multifilis</i>	3	0	0	0	3	6
	50015004	<i>Chaetozone spp.</i>	0	0	0	1	0	1
	5001580202	<i>Armandia brevis</i>	2	1	0	0	0	3
	5001580401	<i>Travisia brevis</i>	0	0	2	1	1	4

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
PS-04	5001580607 <i>Ophelina acuminata</i>	5	13	4	3	4	29
	5001600402 <i>Mediomastus californiensis</i>	0	0	0	4	3	7
	5001600501 <i>Decamastus gracilis</i>	0	0	2	2	3	7
	500163 <i>Maldanidae</i>	13	0	18	30	40	101
	5001630302 <i>Maldane glebifex</i>	0	0	3	8	8	19
	5001630901 <i>Praxillella gracilis</i>	2	0	6	2	6	16
	5001630903 <i>Praxillella affinis</i>	1	2	5	8	18	34
	5001631001 <i>Rhodine bitorquata</i>	2	0	5	14	13	34
	5001631103 <i>Euclymene zonalis</i>	0	2	2	0	0	4
	5001631206 <i>Clymenura columbiana</i>	0	0	0	1	0	1
	5001640102 <i>Owenia fusiformis</i>	1	0	0	1	1	3
	5001640201 <i>Myriochele heeri</i>	0	0	0	0	3	3
	5001640202 <i>Galathowenia nr. G. oculata</i>	0	0	0	1	5	6
	5001660303 <i>Pectinaria granulata</i>	11	1	6	3	7	28
	5001670208 <i>Ampharete acutifrons</i>	18	3	23	20	40	104
	5001670401 <i>Lysippe labiata</i>	5	1	7	8	7	28
	5001670501 <i>Melirna cristata</i>	0	0	0	0	1	1
	5001670503 <i>Melinna elisabethae</i>	0	0	0	1	1	2
	500168 <i>Terebellidae</i>	0	1	2	1	0	4
	5001680601 <i>Nicolea zostericola</i>	24	0	0	4	5	33
	50016808 <i>Polycirrus spp.</i>	1	2	2	1	1	7
	5001681004 <i>Thelepus setosus</i>	0	0	0	0	1	1
	5001681501 <i>Laphania boecki</i>	0	0	0	1	0	1
	5001690101 <i>Terebellides stroemi</i>	5	1	7	17	28	58
	500170 <i>Sabellidae</i>	6	0	0	1	0	7
	50017001 <i>Chone spp.</i>	0	1	5	0	0	6
	5001700204 <i>Euchone incolor</i>	2	0	0	0	2	4
	5103760201 <i>Natica clausa</i>	0	0	1	1	0	2
	51080101 <i>Odostomia spp.</i>	7	5	17	9	24	62
	5108011134 <i>Turbonilla aurantia</i>	1	1	1	0	0	3
	5502020201 <i>Nucula tenuis</i>	2	1	1	0	1	5
	5507010301 <i>Megacrenella columbiana</i>	0	1	0	1	1	3
	5515010201 <i>Lucinoma acutilineata</i>	0	0	0	0	4	4
	5515020201 <i>Axinopsida serricata</i>	27	13	26	22	35	123
	5515100102 <i>Mysella tumida</i>	0	1	0	0	0	1
	5515220104 <i>Clinocardium californiense</i>	20	5	0	1	2	28
	5515220301 <i>Nemocardium centifilosum</i>	4	0	8	6	1	19
	5515250104 <i>Spisula falcata</i>	6	0	0	0	0	6
	5515290201 <i>Solen sicarius</i>	3	7	1	0	0	11
	5515310102 <i>Macoma elimata</i>	0	0	1	6	3	10
	5515310112 <i>Macoma carlottensis</i>	0	0	7	11	4	22
	5515310203 <i>Tellina carpenteri</i>	5	4	0	1	0	10
	5515470301 <i>Compsomyax subdiaphana</i>	0	0	0	1	2	3
	5515470501 <i>Psephidia lordi</i>	221	193	235	78	65	792
	5515470701 <i>Protothaca staminea</i>	0	0	0	1	0	1
	5517010201 <i>Mya arenaria</i>	0	0	0	0	1	1
	5517010203 <i>Mya truncata</i>	0	0	0	2	0	2
	5520020102 <i>Pandora filosa</i>	0	0	2	0	0	2

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total	
PS-04 5520050202	<i>Lyonsia californica</i>	1	0	1	1	0	3	
611103	<i>Cylindroleberididae</i>	0	0	1	2	0	3	
6111060103	<i>Rutiderma lomae</i>	12	0	24	10	22	68	
6111070301	<i>Euphilomedes carcharodonta</i>	145	136	85	46	51	463	
6111070303	<i>Euphilomedes producta</i>	21	11	63	92	88	275	
6154070101	<i>Campylaspis rufa</i>	0	0	1	0	0	1	
6154070119	<i>Campylaspis rubromaculata</i>	0	0	3	0	0	3	
6157020103	<i>Leptochelia dubia</i>	2	0	0	0	2	4	
6157020204	<i>Leptognathia brevimanus</i>	0	0	1	1	0	2	
6160011601	<i>Halophasma geminata</i>	0	0	2	0	3	5	
616902	<i>Ampeliscidae</i>	1	0	1	1	1	4	
6169020113	<i>Ampelisca hancocki</i>	1	0	0	0	0	1	
6169020125	<i>Ampelisca brevisimulata</i>	1	1	1	1	2	6	
6169020135	<i>Ampelisca careyi</i>	4	1	0	1	1	7	
6169020208	<i>Byblis millsii</i>	2	1	6	1	4	14	
616921	<i>Gammaridae</i>	0	0	0	0	1	1	
6169260312	<i>Protomedesia prudens</i>	2	4	2	1	1	10	
6169342802	<i>Opisa tridentata</i>	0	0	0	1	1	2	
6169345701	<i>Prachynella lodo</i>	0	0	0	1	0	1	
6169371502	<i>Westwoodilla caecula</i>	0	0	0	0	1	1	
61830402	<i>Callianassa spp.</i>	2	1	1	0	0	4	
6189060404	<i>Pinnixa schmitti</i>	1	0	2	0	0	3	
7200020104	<i>Golfingia puggettensis</i>	0	0	1	0	0	1	
77	<i>Phoronida</i>	0	0	0	8	0	8	
7700010102	<i>Phoronopsis harmeri</i>	0	0	0	4	0	4	
8401	<i>Asciidiacea</i>	0	0	2	0	0	2	
		635	443	667	523	615	2883	Sum
		5	4	5	4	5	24	Ave
		579	454	549	149	162	7582	Var
		24	21	23	12	13	87	Sdv
		0	0	0	0	0	1	Min
		221	193	235	92	88	792	Max

Number of Observations: 122

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa, Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
SS-04	500102	Polynoidae	0	0	0	0	1	1
	5001020603	Gattyana cirrosa	0	1	0	0	0	1
	5001020806	Harmothoe imbricata	0	1	0	0	0	1
	5001060101	Pholoe minuta	0	2	0	4	0	6
	5001130104	Phyllodoce (Anaitides) mucosa	0	1	0	0	0	1
	50011302	Eteone spp.	0	0	0	0	1	1
	5001130205	Eteone longa	3	8	2	5	4	22
	50011314	Phyllodoce spp.	0	1	0	2	0	3
	5001131402	Phyllodoce (Aponaitides) hartmanae	0	1	0	0	0	1
	5001210102	Gyptis brevipalpa	0	2	0	4	2	8
	5001230308	Syllis elongata	0	1	0	0	0	1
	5001230703	Exogone lourei	1	120	1	41	38	201
	5001240501	Platynereis bicanaliculata	5	12	2	0	0	19
	50012501	Nephtys spp.	0	1	0	0	0	1
	500125010402	Nephtys cornuta cornuta	0	3	0	0	0	3
	5001250111	Nephtys ferruginea	0	0	0	0	2	2
	5001270101	Glycera capitata	1	5	1	7	2	16
	5001280101	Glycinde picta	0	3	1	1	3	8
	50012901	Onuphis spp.	0	1	0	0	0	1
	5001290202	Diopatra ornata	0	0	0	1	0	1
	50013101	Lumbrineris spp.	28	49	28	13	14	132
	5001310109	Lumbrineris luti	0	4	1	6	4	15
	5001310118	Lumbrineris cruzensis	26	4	4	3	1	38
	5001310132	Lumbrineris californiensis	0	0	5	0	5	10
	5001360201	Protodorvillea gracilis	0	0	0	0	1	1
	5001360504	Schistomerings rudolphi	0	0	1	0	0	1
	5001410201	Aricidea suecica	0	1	0	0	0	1
	5001430401	Polydora giardi	3	0	0	0	0	3
	5001430429	Polydora brachycephala	1	3	0	2	5	11
	5001430431	Polydora cardalia	0	4	0	2	4	10
	5001430502	Prionospio cirrifera	8	7	16	0	6	37
	5001430506	Prionospio steenstrupi	7	10	24	4	14	59
	5001430703	Spio cirrifera	0	0	0	1	0	1
	5001430812	Polydora (Boccardia) pugettensis	1	1	0	0	0	2
	5001431702	Parapriionospio pinnata	0	1	0	0	0	1
	5001490302	Spiochaetopterus costarum	0	1	0	0	1	2
	500150	Cirratulidae	0	2	0	28	0	30
	5001500302	Tharyx multifilis	149	156	101	98	320	824
	50015004	Chaetozone spp.	3	0	2	0	1	6
	5001520101	Cossura longocirrata	0	3	0	0	9	12
	5001580202	Armandia brevis	2	5	5	1	4	17
	5001600101	Capitella capitata	3	2	15	0	10	30
	5001600203	Heteromastus filobranchus	3	4	14	18	13	52
	50016003	Notomastus spp.	0	0	0	2	0	2
	5001600302	Notomastus tenuis	0	12	2	0	7	21
	5001600402	Mediomastus californiensis	3	4	1	2	4	14
	5001600601	Barantolla americana	1	0	0	0	0	1
	5001660303	Pectinaria granulata	0	2	0	0	2	4

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
SS-04	5001670208	<i>Ampharete acutifrons</i>	0	0	0	1	0	1
	5001670701	<i>Anobothrus gracilis</i>	0	0	0	1	0	1
	500168	Terebellidae	0	1	0	0	0	1
	5001680710	<i>Pista brevibranchiata</i>	0	1	0	0	0	1
	5001681101	<i>Artacama coniferi</i>	0	0	0	0	0	0
	5009020908	<i>Tubificoides bakeri</i>	0	0	0	0	1	1
	5009021801	<i>Tectidrilus diversus</i>	0	0	0	0	1	1
	5105030202	<i>Mitrella tuberosa</i>	0	1	0	0	0	1
	5105030204	<i>Mitrella gouldi</i>	0	0	0	2	1	3
	51080101	<i>Odostomia spp.</i>	1	57	3	10	15	86
	5108010201	<i>Turbanilla torquata</i>	0	0	0	0	12	12
	5108011134	<i>Turbanilla aurantia</i>	0	1	0	0	0	1
	5502020201	<i>Nucula tenuis</i>	0	0	0	1	0	1
	5507010301	<i>Megacrenella columbiana</i>	0	5	0	2	0	7
	5515010101	<i>Parvilucina tenuisculpta</i>	0	3	1	1	3	8
	5515010201	<i>Lucinoma acutilineata</i>	0	0	0	1	1	2
	5515020201	<i>Axinopsida serricata</i>	14	39	8	23	27	111
	5515100102	<i>Mysella tumida</i>	0	8	0	3	9	20
	5515310102	<i>Macoma elimata</i>	1	0	0	0	0	1
	5515310106	<i>Macoma obliqua</i>	0	1	0	0	0	1
	5515310112	<i>Macoma carlottensis</i>	2	17	7	21	17	64
	5515310114	<i>Macoma nasuta</i>	0	0	0	1	0	1
	5515310203	<i>Tellina carpenteri</i>	0	0	0	4	0	4
	5515470501	<i>Psephidia lordi</i>	0	3	0	1	3	7
	6111	<i>Myodocopa</i>	0	11	0	0	0	11
	6111070301	<i>Euphilomedes carcharodonta</i>	1	65	0	39	33	138
	6111070303	<i>Euphilomedes producta</i>	0	2	0	4	7	13
	6134020108	<i>Solidobalanus hesperius</i>	0	1	3	0	0	4
	6154040202	<i>Eudorella pacifica</i>	0	4	0	0	4	8
	6154050101	<i>Diastylis alaskensis</i>	0	0	0	0	2	2
	6157020103	<i>Leptochelia dubia</i>	2	2270	1	545	442	3260
	6157020204	<i>Leptognathia brevimana</i>	0	9	0	0	0	9
	61690401	<i>Ampithoe sp.</i>	1	0	0	0	0	1
	6169060202	<i>Aoroides columbiae</i>	0	0	2	0	0	2
	6169060204	<i>Aoroides spinosus</i>	4	0	9	0	0	13
	6169150201	<i>Corophium acherusicum</i>	1	0	0	1	0	2
	616921	Gammaridae	2	0	0	1	0	3
	6169211008	<i>Melita desdichada</i>	1	0	0	0	0	1
	6169260201	<i>Photis brevipes</i>	0	0	0	8	7	15
	6169260312	<i>Protomediea prudens</i>	1	0	0	0	0	1
	6169270302	<i>Jassa falcata</i>	0	0	2	0	0	2
	616937089998	Monoculodes sp. B (Elliott Bay only)	0	0	0	1	0	1
	616937089999	Monoculodes sp. A (Elliott Bay only)	0	0	0	0	1	1
	6169371502	<i>Westwoodilla caecula</i>	0	0	0	2	2	4
	6179	Caridea	0	0	3	0	0	3
	617916	Hippolytidae	5	0	1	0	1	7
	6179160102	<i>Hippolyte clarki</i>	5	0	2	0	0	7
	6179160408	<i>Eualus pusiolus</i>	1	1	4	0	0	6

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa.	Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
SS-04	6179220115	Mesocrangon	munitella	1	1	0	0	0	2
	61830402	Callianassa	spp.	0	0	0	1	1	2
	6188030103	Cancer	branneri	0	5	0	1	0	6
	6189060404	Pinnixa	schmitti	0	1	0	4	0	5
	8172	Dendrochirotida		0	1	0	0	0	1
				291	2946	272	924	1068	5501
				3	29	3	9	11	54
				233	*****	118	3041	2916	*****
				15	226	11	55	54	334
				0	0	0	0	0	0
				149	2270	101	545	442	3260
									Max

Number of Observations: 101

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
SS-11 3701	Hydrozoa	0	0	1	0	0	1
500102	Polynoidae	1	0	0	0	0	1
5001060101	Pholoe minuta	0	0	2	0	0	2
5001130205	Eteone longa	1	0	1	2	0	4
5001131402	Phyllodoce (Aponaitides) hartmanae	0	0	0	1	1	2
5001210102	Gyptis brevipalpa	0	0	2	0	1	3
5001230308	Syllis elongata	1	0	2	1	0	4
5001230703	Exogone lourei	2	0	0	1	6	9
5001231303	Odontosyllis phosphorea	0	0	0	0	1	1
5001240303	Nereis limnicola	1	0	0	0	0	1
5001240404	Nereis procera	0	0	0	1	0	1
5001240501	Platynereis bicanaliculata	1	1	1	0	1	4
5001250111	Nephtys ferruginea	0	1	0	0	0	1
5001260103	Sphaerodoropsis sphaerulifer	1	0	2	0	2	5
5001270101	Glycera capitata	1	3	0	1	5	10
5001280101	Glycinde picta	0	0	0	1	1	2
5001280103	Glycinde armigera	0	2	0	0	0	2
5001280203	Goniada brunnea	0	0	1	2	0	3
5001290111	Onuphis elegans	0	0	0	1	0	1
5001290202	Diopatra ornata	1	3	1	0	0	5
50013101	Lumbrineris spp.	28	39	31	22	47	167
5001310101	Lumbrineris bicirrata	1	0	0	0	0	1
5001310109	Lumbrineris luti	1	1	5	0	0	7
5001310118	Lumbrineris cruzensis	1	6	0	3	7	17
5001310132	Lumbrineris californiensis	3	0	0	0	1	4
500133010402	Driloneris falcata minor	0	0	0	0	1	1
5001400102	Leitoscoloplos pugettensis	2	1	3	0	0	6
5001410201	Aricidea suecica	1	0	0	0	0	1
5001430201	Laonice cirrata	0	0	1	0	0	1
5001430401	Polydora giardi	0	0	0	0	4	4
5001430429	Polydora brachycephala	6	0	8	0	2	16
5001430431	Polydora cardalia	2	0	2	0	0	4
5001430502	Prionospio cirrifera	23	4	6	2	11	46
5001430506	Prionospio steenstrupi	45	29	19	16	31	140
5001430812	Polydora (Boccardia) pugettensis	0	2	0	0	1	3
5001431004	Spiophanes berkeleyorum	1	0	0	0	1	2
5001431702	Paraprionospio pinnata	0	2	0	1	0	3
5001440105	Magelona longicornis	0	0	0	0	1	1
5001490302	Spiochaetopterus costarum	2	0	1	0	2	5
500150	Cirratulidae	1	0	3	0	0	4
5001500201	Caulieriella hamata	0	1	1	0	1	3
5001500302	Tharyx multifilis	113	75	97	102	71	458
50015004	Chaetozone spp.	4	3	0	0	3	10
5001580202	Armandia brevis	4	0	2	1	1	8
5001580607	Ophelina acuminata	1	0	0	1	1	3
500160	Capitellidae	1	0	0	0	0	1
5001600101	Capitella capitata	0	0	2	0	0	2
5001600203	Heteromastus filobranchus	1	2	6	2	10	21

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
ss-11	<i>Notomastus tenuis</i>	18	9	10	6	11	54
	<i>Mediomastus californiensis</i>	6	1	6	3	2	18
	<i>Barantolia americana</i>	1	0	0	0	0	1
	<i>Maldanidae</i>	0	1	0	1	2	4
	<i>Praxillella gracilis</i>	0	0	0	1	1	2
	<i>Rhodine bitorquata</i>	0	0	0	0	1	1
	<i>Euclymene zonalis</i>	0	0	0	0	1	1
	<i>Pectinaria granulata</i>	8	0	5	1	5	19
	<i>Melinna elisabethae</i>	0	0	0	1	0	1
	<i>Anobothrus gracilis</i>	0	0	0	0	1	1
	<i>Terebellidae</i>	0	0	0	0	2	2
	<i>Polycirrus spp.</i>	4	1	1	0	1	7
	<i>Artacama coniferi</i>	0	0	0	0	1	1
	<i>Euchone limnicola</i>	0	3	0	0	1	4
	<i>Tectidrilus diversus</i>	0	1	7	0	0	8
	<i>Mitrella gouldi</i>	0	0	0	0	1	1
	<i>Odostomia spp.</i>	24	9	128	2	11	174
	<i>Turbanilla lyalli</i>	12	1	7	5	4	29
	<i>Nucula tenuis</i>	0	0	0	0	1	1
	<i>Nuculana minuta</i>	0	0	0	0	1	1
	<i>Megacrencia columbiana</i>	10	0	2	8	2	22
	<i>Parvilucina tenuisculpta</i>	1	2	4	2	0	9
	<i>Lucinoma acutilineata</i>	1	1	2	2	0	6
	<i>Axinopsida serricata</i>	102	43	75	140	72	432
	<i>Thyasira gouldii</i>	2	1	2	0	0	5
	<i>Clinocardium californiense</i>	1	5	2	0	0	8
	<i>Nemocardium centifilosum</i>	0	0	2	1	0	3
	<i>Macoma elimata</i>	5	7	4	5	0	21
	<i>Macoma obliqua</i>	0	3	1	12	2	18
	<i>Macoma yoldiformis</i>	1	0	0	1	1	3
	<i>Macoma carlottensis</i>	42	15	35	48	27	167
	<i>Tellina carpenteri</i>	1	0	3	0	0	4
	<i>Psephidia lordi</i>	22	0	3	37	4	66
	<i>Lyonsia californica</i>	2	0	2	0	1	5
6111	<i>Myodocopa</i>	3	2	0	0	5	10
611103	<i>Cylindroleberididae</i>	0	0	6	1	0	7
6111070301	<i>Euphilomedes carcharodonta</i>	75	22	103	123	79	402
6111070303	<i>Euphilomedes producta</i>	6	1	2	4	6	19
6154040202	<i>Eudorella pacifica</i>	2	3	10	1	0	16
6154050101	<i>Diastylys alaskensis</i>	1	2	1	1	4	9
6157020103	<i>Leptochelia dubia</i>	26	11	6	254	17	314
6169020208	<i>Byblis millsi</i>	1	8	1	6	1	17
616921	<i>Gammaridae</i>	0	1	0	1	2	4
6169211008	<i>Melita desdichada</i>	3	0	10	0	3	16
6169260201	<i>Photis brevipes</i>	1	0	8	15	4	28
6169345701	<i>Prachynella lodo</i>	0	1	0	0	0	1
6169371403	<i>Synchelidium rectipalmum</i>	4	7	8	4	1	24
6169371502	<i>Westwoodilla caecula</i>	4	3	1	5	4	17

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa.	Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
SS-11	616942	Phoxocephalidae		2	1	0	0	0	3
	6169420301	Heterophoxus oculatus		57	23	43	52	35	210
	6175	Decapoda		0	0	0	0	2	2
	6179	Caridea		2	1	5	0	0	8
	6179160102	Hippolyte clarki		1	0	0	0	0	1
	6179220102	Crangon alaskensis		0	0	0	0	1	1
	61830402	Callianassa spp.		0	1	2	1	1	5
	618306	Paguridae		1	0	0	0	0	1
	6188030101	Cancer productus		1	0	1	0	0	2
	6188030103	Cancer branneri		1	1	0	1	0	3
	6189060404	Pinnixa schmitti		0	0	8	9	9	26
	8401	Asciidae		1	0	0	0	0	1
				706	366	716	915	544	3247
				7	3	7	8	5	30
				329	98	399	1026	187	6793
				18	10	20	32	14	82
				0	0	0	0	0	1
				113	75	128	254	79	458
									Max

Number of Observations: 108

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
WW-09	36650202	<i>Halichondria</i> spp.	0	0	0	1	0	1
	3901	<i>Turbellaria</i>	0	1	0	0	0	1
	43020101	<i>Tubulanus</i> spp.	0	0	1	0	0	1
	4302010104	<i>Tubulanus pellucidus</i>	0	1	0	0	0	1
	4303	<i>Heteronemertea</i>	0	0	0	1	0	1
	43030204	<i>Lineus</i> spp.	1	0	0	0	1	2
	43060501	<i>Amphiporus</i> spp.	0	0	0	1	0	1
	47	<i>Nematoda</i>	1	0	2	0	0	3
	5001020806	<i>Harmothoe imbricata</i>	0	0	3	0	0	3
	5001040101	<i>Pholoides aspera</i>	0	0	1	0	0	1
	5001060101	<i>Pholoe minuta</i>	1	0	0	0	0	1
	5001130102	<i>Phyllodoce (Anaitides) groenlandica</i>	1	1	1	0	0	3
	5001130104	<i>Phyllodoce (Anaitides) mucosa</i>	0	0	1	0	0	1
	5001130205	<i>Eteone longa</i>	0	0	1	0	2	3
	5001131402	<i>Phyllodoce (Aponaitides) hartmanae</i>	0	0	2	0	0	2
	5001210102	<i>Gyptis brevipalpa</i>	1	0	0	0	0	1
	5001230703	<i>Exogone lourei</i>	1	1	4	3	2	11
	5001240303	<i>Nereis limnicola</i>	0	1	0	1	1	3
	5001240406	<i>Nereis zonata</i>	0	0	1	1	0	2
	5001240501	<i>Platynereis bicanaliculata</i>	6	7	11	2	2	28
	5001270101	<i>Glycera capitata</i>	2	1	1	0	2	6
	5001280101	<i>Glycinde picta</i>	1	1	1	0	1	4
	5001280103	<i>Glycinde armigera</i>	0	2	0	0	0	2
	50013101	<i>Lumbrineris</i> spp.	28	38	36	37	36	175
	5001310109	<i>Lumbrineris luti</i>	6	1	0	0	1	8
	5001310118	<i>Lumbrineris cruzensis</i>	7	13	8	18	6	52
	5001360504	<i>Schistomerings rudolphi</i>	0	1	0	0	1	2
	500143	<i>Spionidae</i>	0	0	1	0	0	1
	5001430201	<i>Laonice cirtata</i>	0	0	0	0	1	1
	5001430402	<i>Polydora socialis</i>	0	0	0	0	1	1
	5001430429	<i>Polydora brachycephala</i>	6	3	4	3	4	20
	5001430502	<i>Prionospio cirrifera</i>	13	8	41	33	14	109
	5001430506	<i>Prionospio steenstrupi</i>	48	58	102	70	52	330
	5001431702	<i>Parapriionospio pinnata</i>	0	0	0	1	0	1
	5001490302	<i>Spiochaetopterus costarum</i>	0	0	1	0	2	3
	500150	<i>Cirratulidae</i>	0	0	0	1	0	1
	5001500101	<i>Cirratulus cirratus</i>	5	2	1	1	0	9
	5001500103	<i>Cirratulus spectabilis</i>	3	4	2	0	1	10
	5001500201	<i>Caulieriella hamata</i>	4	4	4	0	0	12
	5001500302	<i>Tharyx multifilis</i>	369	283	330	225	185	1392
	50015004	<i>Chaetozone</i> spp.	0	0	3	1	1	5
	5001520101	<i>Cossura longocirrata</i>	1	0	1	1	0	3
	5001580202	<i>Armandia brevis</i>	1	10	12	3	3	29
	500160	<i>Capitellidae</i>	2	0	0	0	1	3
	5001600101	<i>Capitella capitata</i>	22	7	15	10	10	64
	5001600302	<i>Notomastus tenuis</i>	28	12	22	7	15	84
	5001600402	<i>Mediomastus californiensis</i>	8	4	29	9	9	59
	5001600601	<i>Barantolla americana</i>	0	0	5	0	2	7

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
WW-09 5001660303	<i>Pectinaria granulata</i>	3	5	11	4	5	28
5001670208	<i>Ampharete acutifrons</i>	1	1	1	1	1	5
50016808	<i>Polycirrus spp.</i>	1	0	0	0	0	1
500170	<i>Sabellidae</i>	1	0	0	0	0	1
5001700212	<i>Euchone limnicola</i>	33	18	36	27	9	123
50017008	<i>Sabella spp.</i>	0	0	1	0	0	1
5103090302	<i>Lacuna variegata</i>	0	0	0	0	1	1
5105080101	<i>Nassarius mendicus</i>	0	0	0	0	1	1
51080101	<i>Odostomia spp.</i>	9	0	65	8	15	97
5110060101	<i>Aglaja diomedea</i>	1	0	0	0	0	1
5131070101	<i>Corambe pacifica</i>	1	0	0	0	0	1
5507010301	<i>Megacrenella columbiana</i>	1	1	2	1	0	5
5507010502	<i>Dacrydium vitreum</i>	0	0	1	1	0	2
5515020201	<i>Axinopsida serricata</i>	3	12	16	14	17	62
5515220104	<i>Clinocardium californiense</i>	1	0	3	3	0	7
5515310106	<i>Macoma obliqua</i>	0	3	0	0	0	3
5515310112	<i>Macoma carlottensis</i>	12	16	12	9	13	62
5515470301	<i>Compsomyax subdiaphana</i>	0	0	1	0	0	1
5515470501	<i>Psephidia lordi</i>	2	3	12	1	0	18
5517010201	<i>Mya arenaria</i>	2	2	0	0	0	4
5520050202	<i>Lyonsia californica</i>	0	2	1	1	0	4
611103	<i>Cylindroleberididae</i>	0	0	1	0	0	1
6111060103	<i>Rutiderma lomae</i>	0	0	1	0	0	1
6111070301	<i>Euphilomedes carcharodonta</i>	0	0	1	0	0	1
6111070301	<i>Euphilomedes carcharodonta</i>	5	2	1	5	1	14
6111070303	<i>Euphilomedes producta</i>	0	0	1	0	0	1
6111070303	<i>Euphilomedes producta</i>	0	0	1	0	0	1
6154050101	<i>Diastylis alaskensis</i>	1	0	0	0	0	1
6157020103	<i>Leptochelia dubia</i>	21	133	264	120	42	580
6169020208	<i>Byblis millsii</i>	0	0	0	1	0	1
6169060203	<i>Aoroides inermis</i>	3	0	1	3	4	11
6169060206	<i>Aoroides intermedius</i>	0	2	1	1	0	4
6169150201	<i>Corophium acherusicum</i>	0	1	1	1	0	3
616921	<i>Gammaridae</i>	0	3	0	1	0	4
6169211008	<i>Melita desdichada</i>	0	14	6	5	0	25
6169260201	<i>Photis brevipes</i>	20	66	86	47	6	225
61693429	<i>Orchomene spp.</i>	0	0	1	0	0	1
6169342914	<i>Orchomene decipiens</i>	0	0	0	1	0	1
6169371403	<i>Synchelidium rectipalmum</i>	0	7	3	1	0	11
6169371502	<i>Westwoodilla caecula</i>	3	0	0	0	0	3
6169420301	<i>Heterophoxus oculatus</i>	0	0	0	1	0	1
6169430302	<i>Parapleustes pugettensis</i>	0	0	1	0	0	1
6171010602	<i>Tritella pilimana</i>	0	0	1	0	0	1
617916	<i>Hippolytidae</i>	0	0	0	3	0	3
6179160408	<i>Eualus pusiolus</i>	0	0	0	4	2	6
6179220115	<i>Mesocrangon munitella</i>	0	2	0	0	0	2
61830402	<i>Callianassa spp.</i>	0	0	0	1	0	1
618306	<i>Paguridae</i>	0	0	1	0	0	1

## APPENDIX E-3. (CONTINUED)

Station	NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
WW-09	6184	Brachyura	1	0	0	0	0	1
	6188030101	Cancer productus	0	0	0	1	0	1
	6189060404	Pinnixa schmitti	0	1	0	0	0	1
	8149030201	Strongylocentrotus droebachiensis	0	0	0	1	0	1
	81720603	Pentamera spp.	0	0	2	0	0	2
			691	758	1183	697	473	3802
			7	8	12	7	5	38
			1385	1029	1938	716	393	23877
			37	32	44	27	20	155
			0	0	0	0	0	1
			369	283	330	225	185	1392
								Max

Number of Observations: 101

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
WW-11	3701 Hydrozoa	0	0	1	0	0	1
	375901 Edwardsiidae	0	0	0	1	0	1
	3901 Turbellaria	0	0	1	0	0	1
	43 Nemertea	1	0	0	0	1	2
	47 Nematoda	0	0	53	5	0	58
	5001020603 Gattyana cirrosa	1	0	0	1	0	2
	5001040101 Pholoides aspera	0	0	0	1	0	1
	5001060101 Pholoe minuta	1	0	2	1	0	4
	5001080101 Paleonotus bellis	1	0	1	0	0	2
	500113 Phyllodocidae	0	0	0	0	1	1
	5001130102 Phyllococe (Anaitides) groenlandica	0	0	1	0	1	2
	50011302 Eteone spp.	0	0	0	1	0	1
	5001130205 Eteone longa	1	1	0	0	0	2
	5001131101 Eulalia (Eumida) sanguinea	1	1	0	0	0	2
	5001131402 Phyllococe (Aponaitides) hartmanae	1	0	0	2	2	5
	5001210102 Gyptis brevipalpa	0	0	2	0	0	2
	5001230703 Exogone lourei	44	0	27	15	10	96
	5001240501 Platynereis bicanaliculata	11	7	27	1	3	49
	5001250111 Nephtys ferruginea	1	0	0	0	0	1
	5001270101 Glycera capitata	3	1	3	0	2	9
	5001270104 Glycera americana	0	0	0	0	1	1
	5001280101 Glycinde picta	1	0	0	0	1	2
	5001290202 Diopatra ornata	0	0	0	0	1	1
	50013101 Lumbrineris spp.	49	42	34	41	49	215
	5001310109 Lumbrineris luti	1	4	0	7	3	15
	5001310118 Lumbrineris cruzensis	0	9	1	2	1	13
	5001360504 Schistomerings rudolphi	3	1	2	0	0	6
	5001430402 Polydora socialis	0	0	1	0	0	1
	5001430429 Polydora brachycephala	3	2	9	2	7	23
	5001430502 Prionospio cirrifera	24	7	24	17	3	75
	5001430506 Prionospio steenstrupi	43	20	38	32	8	141
	5001431004 Spiophanes berkeleyorum	0	0	1	0	0	1
	5001440105 Magelona longicornis	0	0	0	1	0	1
	5001490302 Spiochaetopterus costarum	4	0	6	1	2	13
	500150 Cirratulidae	0	0	0	1	1	2
	5001500101 Cirratulus cirratus	19	19	15	42	19	114
	5001500103 Cirratulus spectabilis	1	5	2	1	0	9
	5001500201 Caulleriella hamata	3	4	5	1	1	14
	5001500302 Tharyx multifilis	481	624	532	512	558	2707
	50015004 Chaetozone spp.	3	3	2	6	1	15
	500150049999 Chaetozone sp. 1 (Elliott Bay only)	0	1	0	0	0	1
	5001580202 Armandia brevis	3	1	3	1	0	8
	5001600101 Capitella capitata	12	2	11	22	9	56
	5001600203 Heteromastus filobranchus	4	2	2	5	2	15
	5001600302 Notomastus tenuis	10	19	10	18	18	75
	5001600402 Mediomastus californiensis	9	5	27	9	2	52
	5001600601 Barantolla americana	0	1	0	1	0	2
	5001660303 Pectinaria granulata	19	3	5	3	4	34

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
WW-11	500170 Sabellidae	1	0	0	0	0	1
	5001700212 <i>Euchone limnicola</i>	3	0	0	8	6	17
	5001700701 <i>Potamilla intermedia</i>	1	0	0	0	0	1
	50017008 <i>Sabella spp.</i>	0	0	1	0	0	1
	51080101 <i>Odostomia spp.</i>	57	15	2	63	81	218
	5108010201 <i>Turbonilla torquata</i>	0	0	1	1	0	2
	5110060101 <i>Aglaja diomedea</i>	0	0	0	1	0	1
	5507010301 <i>Megacrenella columbiana</i>	0	1	0	1	0	2
	5507010502 <i>Dacrydium vitreum</i>	0	0	1	0	0	1
	5515020201 <i>Axinopsida serricata</i>	3	3	7	6	0	19
	5515100102 <i>Mysella tumida</i>	1	2	0	1	0	4
	5515220104 <i>Clinocardium californiense</i>	1	0	0	0	3	4
	5515310112 <i>Macoma carlottensis</i>	9	10	21	11	15	66
	5515470501 <i>Psephidia lordi</i>	3	0	0	2	9	14
	5515470701 <i>Protothaca staminea</i>	0	0	1	0	0	1
	5517010203 <i>Mya truncata</i>	0	0	0	0	1	1
	5520050202 <i>Lyonsia californica</i>	0	0	0	1	0	1
	6111070301 <i>Euphilomedes carcharodonta</i>	7	5	5	11	6	34
	6134020104 <i>Balanus crenatus</i>	0	0	1	0	0	1
	6154050101 <i>Diastylis alaskensis</i>	0	1	0	1	1	3
	6157020103 <i>Leptochelia dubia</i>	921	620	1009	282	310	3142
	6169020208 <i>Byblis millsii</i>	0	0	0	0	1	1
	6169060203 <i>Aoroides inermis</i>	0	1	3	0	0	4
	6169150201 <i>Corophium acherusicum</i>	6	3	7	3	0	19
	616921 <i>Gammaridae</i>	3	0	0	2	1	6
	6169211008 <i>Melita desdichada</i>	0	1	2	3	0	6
	6169260201 <i>Photis brevipes</i>	126	74	154	114	88	556
	6169371403 <i>Synchelidium rectipalmum</i>	1	0	0	0	0	1
	6169371502 <i>Westwoodilla caecula</i>	0	2	2	0	4	8
	6169430302 <i>Parapleustes pugettensis</i>	1	1	6	1	1	10
	617101 <i>Caprellidae</i>	0	0	8	0	1	9
	617916 <i>Hippolytidae</i>	0	1	0	0	0	1
	6179220102 <i>Crangon alaskensis</i>	0	1	0	0	0	1
	6187010503 <i>Pugettia gracilis</i>	0	0	1	0	0	1
	6188030103 <i>Cancer branneri</i>	0	0	2	2	1	5
	6189060404 <i>Pinnixa schmitti</i>	0	0	0	0	1	1
	8149030201 <i>Strongylocentrotus droebachiensis</i>	0	0	1	0	0	1
	8172060304 <i>Pentamera (Cucumaria) populifera</i>	3	2	1	0	0	6
	84040501 <i>Ascidia spp.</i>	0	0	1	0	0	1
	8406020203 <i>Boltenia villosa</i>	0	0	1	0	0	1
		1905	1527	2086	1267	1241	8026
		22	17	24	14	14	91
		****	8693	****	3986	4691	*****
		111	93	122	63	68	441
		0	0	0	0	0	Min
		921	624	1009	512	558	3142
							Max

Number of Observations: 88

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
WW-14 375901	Edwardsiidae	0	0	0	2	0	2
3901	Turbellaria	0	0	2	0	0	2
47	Nematoda	0	3	2	0	1	6
5001020806	Harmothoe imbricata	0	0	1	0	0	1
5001060101	Pholoe minuta	4	3	1	1	2	11
5001130203	Eteone pacifica	0	1	1	2	0	4
50011314	Phyllocoete spp.	1	0	0	1	0	2
5001131402	Phyllocoete (Aponaitides) hartmanae	2	1	1	0	1	5
5001210102	Glyptis brevipalpa	1	2	0	3	0	6
5001230703	Exogone lourei	0	2	0	1	1	4
500124	Nereidae	0	0	1	0	0	1
5001240406	Nereis zonata	3	3	1	0	3	10
5001240501	Platynereis bicanaliculata	14	45	21	13	28	121
5001250102	Nephtys ciliata	1	1	0	0	0	2
5001270101	Glycera capitata	0	0	0	0	1	1
5001270104	Glycera americana	1	0	0	1	0	2
5001280101	Glycinde picta	0	1	1	0	1	3
50013101	Lumbrineris spp.	39	50	39	42	47	217
5001310109	Lumbrineris luti	1	0	1	9	2	13
5001310118	Lumbrineris cruzensis	5	30	13	3	11	62
5001310132	Lumbrineris californiensis	3	0	0	1	0	4
500136	Dorvilleidae	0	1	0	0	0	1
5001360504	Schistomerings rudolphi	1	6	2	2	4	15
5001400311	Scoloplos acmeceps	0	1	0	0	1	2
5001410208	Acesta/Aricidea catherinae	0	0	1	0	0	1
5001430402	Polydora socialis	0	0	1	0	0	1
5001430429	Polydora brachycephala	2	6	1	1	2	12
5001430431	Polydora cardalia	11	4	0	1	4	20
50014305	Prionospio spp.	0	2	0	0	0	2
5001430502	Prionospio cirrifera	1	19	7	4	6	37
5001430506	Prionospio steenstrupi	13	8	12	17	13	63
5001430806	Polydora (Boccardiella) hamata	2	0	0	0	0	2
5001430812	Polydora (Boccardia) pugettensis	3	0	0	0	1	4
5001431004	Spiophanes berkeleyorum	1	0	0	0	0	1
5001440105	Magelona longicornis	0	0	1	0	2	3
5001490302	Spiochaetopterus costarum	1	5	2	7	3	18
500150	Cirratulidae	4	0	0	1	0	5
50015001	Cirratulus spp.	5	0	0	0	0	5
5001500101	Cirratulus cirratus	1406	1908	1555	1604	1702	8175
5001500103	Cirratulus spectabilis	21	0	1	19	0	41
5001500302	Tharyx multifilis	32	52	48	30	66	228
50015004	Chaetozone spp.	0	1	4	2	2	9
5001520101	Cossura longocirrata	13	11	17	8	10	59
5001580202	Armandia brevis	2	28	31	27	18	106
500160	Capitellidae	0	2	0	0	0	2
5001600101	Capitella capitata	30	13	29	3	15	90
5001600203	Heteromastus filobranchus	1	0	4	3	2	10
5001600302	Notomastus tenuis	39	21	40	45	43	188

## APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total	
WW-14	<i>Mediomastus californiensis</i>	98	178	176	88	145	685	
5001600402	<i>Barantolla americana</i>	0	1	1	0	0	2	
5001660303	<i>Pectinaria granulata</i>	1	3	0	0	2	6	
5001700212	<i>Euchone limnicola</i>	22	18	38	34	27	139	
5009020706	<i>Limnodriloides victoriensis</i>	0	0	3	0	1	4	
5009020908	<i>Tubificoides bakeri</i>	0	4	2	0	2	8	
5009021801	<i>Tectidrilus diversus</i>	1	7	3	3	0	14	
5105080101	<i>Nassarius mendicus</i>	0	0	1	0	0	1	
51080101	<i>Odostomia spp.</i>	10	3	6	2	5	26	
5110060101	<i>Aglaja diomedaeum</i>	2	0	1	1	0	4	
5502020201	<i>Nucula tenuis</i>	1	0	0	0	2	3	
5506050117	<i>Limopsis diegensis</i>	0	1	0	0	0	1	
5515010201	<i>Lucinoma acutilineata</i>	0	0	0	0	1	1	
5515020201	<i>Axinopsida serricata</i>	25	23	25	22	28	123	
5515100102	<i>Mysella tumida</i>	8	2	2	0	0	12	
5515220104	<i>Clinocardium californiense</i>	0	2	0	0	7	9	
5515310102	<i>Macoma elimata</i>	1	0	0	0	0	1	
5515310106	<i>Macoma obliqua</i>	1	1	0	0	0	2	
5515310112	<i>Macoma carlottensis</i>	3	6	6	12	10	37	
5515470501	<i>Psephidia lordi</i>	14	9	42	3	4	72	
5517060201	<i>Hiatella arctica</i>	1	0	0	0	0	1	
5520050202	<i>Lyonsia californica</i>	0	0	1	1	0	2	
6111070301	<i>Euphilomedes carcharodonta</i>	0	1	3	2	0	6	
613402	<i>Balanidae</i>	0	1	0	0	0	1	
6154050101	<i>Diastylis alaskensis</i>	0	3	0	0	1	4	
6157020103	<i>Leptochelia dubia</i>	9	35	32	4	15	95	
6169020208	<i>Byblis millsii</i>	0	0	0	2	0	2	
6169060203	<i>Aoroides inermis</i>	1	17	14	1	0	33	
6169150201	<i>Corophium acherusicum</i>	78	53	3	3	3	140	
616921	<i>Gammaridae</i>	0	5	1	0	1	7	
6169211008	<i>Melita desdichada</i>	0	0	1	0	0	1	
6169260201	<i>Photis brevipes</i>	17	41	31	37	22	148	
6169371502	<i>Westwoodilla caecula</i>	2	0	0	0	6	8	
6169430302	<i>Parapleustes pugettensis</i>	0	1	1	0	1	3	
617101	<i>Caprellidae</i>	0	0	1	0	0	1	
6171010707	<i>Caprella alaskana</i>	1	0	0	0	0	1	
61830402	<i>Callianassa spp.</i>	0	0	0	0	2	2	
61880301	<i>Cancer spp.</i>	0	0	0	0	2	2	
6188030103	<i>Cancer branneri</i>	0	1	0	0	2	3	
6189060404	<i>Pinnixa schmitti</i>	5	0	0	0	4	9	
		1964	2646	2235	2068	2285	11198	Sum
		22	30	25	24	26	127	Ave
		****	****	****	****	****	****	Var
		150	204	166	171	182	872	Sdv
		0	0	0	0	0	1	Min
		1406	1908	1555	1604	1702	8175	Max

Number of Observations: 88

APPENDIX E-3. (CONTINUED)

Station NODC Code	Taxa. Name	Rep1	Rep2	Rep3	Rep4	Rep5	Total
<hr/>							
TOTAL		*****	*****	*****	*****	*****	82454 Sum
		9	10	9	8	8	45 Ave
		5136	8235	4564	3256	3484	***** Var
		72	91	68	57	59	324 Sdv
		0	0	0	0	0	0 Min
		1800	2270	1555	1604	1702	8175 Max

Number of Observations: 1828

**APPENDIX F**

**APPLICATION OF LOW AND HIGH AET  
TO ELLIOTT BAY DATA**

## HAET AND LAET APPLIED TO ELLIOTT BAY DATA (without Sb, Cr, Ni)

The sediment quality criteria used for the test are:

Highest of AMPT, BENA, MICB, and OYST.

Lowest of AMPT, BENA, MICB, and OYST.

The values used are based on:

Dry-weight values, no transformation.

Data columns in the output identify, in order from left to right:

Chemical name

Concentration

Measurement units

Qualifier code of the chemical measurement

Measurement basis

Factor by which the concentration exceeds the AET

If an asterisk appears, the AET value was qualified with a "G."

Survey: EBCHEM Station: AB-01

=====

Date: 09/26/85 Sample ID: AB-01

Highest of AMPT, BENA, MICB, and OYST.

ACENAPHTHENE	1200	PPB E	DRY	1.22
ANTHRACENE	2700	PPB E	DRY	1.42
FLUORANTHENE	10000	PPB E	DRY	1.02
INDENO(1,2,3-CD)PYRENE	2400	PPB E	DRY	2.73
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	10000	PPB E	DRY	1.64
MERCURY	29	PPM E	DRY	13.81

Lowest of AMPT, BENA, MICB, and OYST.

DIBENZO(A,H)ANTHRACENE	940	PPB E	DRY	4.09
ACENAPHTHENE	1200	PPB E	DRY	2.40
ANTHRACENE	2700	PPB E	DRY	2.81
BENZO(A)ANTHRACENE	2100	PPB E	DRY	1.62
BENZO(A)PYRENE	2800	PPB E	DRY	1.75
BENZO(G,H,I)PERYLENE	2300	PPB E	DRY	3.43
CHRYSENE	2500	PPB E	DRY	1.79
COPPER	440	PPM	DRY	1.42
FLUORANTHENE	10000	PPB E	DRY	5.88
FLUORENE	780	PPB E	DRY	1.44
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	35000	PPB E	DRY	2.92
INDENO(1,2,3-CD)PYRENE	2400	PPB E	DRY	4.00
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	10000	PPB E	DRY	1.92
MERCURY	29	PPM E	DRY	70.73
PHENANTHRENE	3300	PPB E	DRY	2.20
PYRENE	6500	PPB E	DRY	2.50
TOTAL BENZOFLUORANTHENES (B + K)	5400	PPB E	DRY	1.69
ZINC	320	PPM E	DRY	1.23

Survey: EBCHEM Station: AB-02

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Date: 09/26/85 Sample ID: AB-02

Lowest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	330	PPB E	DRY	1.06
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Survey: EBCHEM Station: DR-01

Date: 09/30/85 Sample ID: DR-01

Lowest of AMPT, BENA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS 520 PPB E DRY 4.00

Survey: EBCHEM Station: DR-02

Date: 09/30/85 Sample ID: DR-02

Lowest of AMPT, BENA, MICB, and OYST.

BUTYL BENZYL PHTHALATE 110 PPB E DRY 1.75  
POLYCHLORINATED BIPHENYLS 290 PPB E DRY 2.23  
ZINC 270 PPM E DRY 1.04

Survey: EBCHEM Station: DR-03

Date: 09/30/85 Sample ID: DR-03

Lowest of AMPT, BENA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS 640 PPB E DRY 4.92

Survey: EBCHEM Station: DR-04

Date: 09/30/85 Sample ID: DR-04

Lowest of AMPT, BENA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS 570 PPB E DRY 4.38

Survey: EBCHEM Station: DR-05

Date: 09/30/85 Sample ID: DR-05

Highest of AMPT, BENA, MICB, and OYST.

P,P'-DDT 33 PPB DRY 3.00

Lowest of AMPT, BENA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS 570 PPB E DRY 4.38  
P,P'-DDT 33 PPB DRY 8.46

Survey: EBCHEM Station: DR-06

Date: 10/09/85 Sample ID: DR-06

Lowest of AMPT, BENA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS 350 PPB E DRY 2.69

Survey: EBCHEM Station: DR-07

Date: 09/30/85 Sample ID: DR-07

Lowest of AMPT, BENA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS 490 PPB E DRY 3.77

Survey: EBCHEM Station: DR-08

Date: 09/30/85 Sample ID: DR-08

Highest of AMPT, BENA, MICB, and OYST.

INDENO(1,2,3-CD)PYRENE	1100	PPB E	DRY	1.25
POLYCHLORINATED BIPHENYLS	5800	PPB E	DRY	2.32
P,P'-DDE	52	PPB	DRY	3.47

Lowest of AMPT, BENA, MICB, and OYST.

DIBENZO(A,H)ANTHRACENE	270	PPB E	DRY	1.17
BUTYL BENZYL PHthalATE	290	PPB E	DRY	4.60
INDENO(1,2,3-CD)PYRENE	1100	PPB E	DRY	1.83
MERCURY	0.61	PPM E	DRY	1.49
POLYCHLORINATED BIPHENYLS	5800	PPB E	DRY	44.62
P,P'-DDD	38	PPB	DRY	19.00
P,P'-DDE	52	PPB	DRY	5.78
ZINC	320	PPM E	DRY	1.23

Survey: EBCHEM Station: DR-09

Date: 09/30/85 Sample ID: DR-09

Lowest of AMPT, BENA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS 170 PPB E DRY 1.31

Survey: EBCHEM Station: DR-10

Date: 09/30/85 Sample ID: DR-10

Highest of AMPT, BENA, MICB, and OYST.

P,P'-DDE	62	PPB	DRY	4.13
P,P'-DDT	65	PPB	DRY	5.91

Lowest of AMPT, BENA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS	2100	PPB E	DRY	16.15
P,P'-DDD	34	PPB	DRY	17.00
P,P'-DDE	62	PPB	DRY	6.89
P,P'-DDT	65	PPB	DRY	16.67

Survey: EBCHEM Station: DR-11

Date: 09/30/85 Sample ID: DR-11

Lowest of AMPT, BENA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS	830	PPB E	DRY	6.38
ZINC	270	PPM E	DRY	1.04

Survey: EBCHEM Station: DR-12

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Date: 09/30/85 Sample ID: DR-12

Lowest of AMPT, BENA, MICB, and OYST.

ARSENIC	450	PPM	DRY	5.29
COPPER	390	PPM	DRY	1.26
FLUORANTHENE	2100	PPB E	DRY	1.24
INDENO(1,2,3-CD)PYRENE	630	PPB E	DRY	1.05
LEAD	310	PPM	DRY	1.03
POLYCHLORINATED BIPHENYLS	830	PPB E	DRY	6.38
ZINC	970	PPM E	DRY	3.73

Survey: EBCHEM Station: DR-13

=====

Date: 09/30/85 Sample ID: DR-13

Lowest of AMPT, BENA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS 950 PPB E DRY 7.31

Survey: EBCHEM Station: DR-14

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Date: 09/30/85 Sample ID: DR-14

Lowest of AMPT, BENA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS 810 PPB E DRY 6.23

Survey: EBCHEM Station: DR-15

=====

Date: 09/30/85 Sample ID: DR-15

Lowest of AMPT, BENA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS 230 PPB E DRY 1.77

Survey: EBCHEM Station: DR-16

=====

Date: 09/30/85 Sample ID: DR-16

Highest of AMPT, BENA, MICB, and OYST.

INDENO(1,2,3-CD)PYRENE 940 PPB E DRY 1.07

Lowest of AMPT, BENA, MICB, and OYST.

DIBENZO(A,H)ANTHRACENE	420	PPB E	DRY	1.83
ACENAPHTHENE	550	PPB E	DRY	1.10
ANTHRACENE	1500	PPB E	DRY	1.56
BENZO(G,H,I)PERYLENE	800	PPB E	DRY	1.19
BUTYL BENZYL PHthalATE	92	PPB E	DRY	1.46
FLUORANTHENE	5800	PPB E	DRY	3.41
FLUORENE	660	PPB E	DRY	1.22
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	17000	PPB E	DRY	1.42
INDENO(1,2,3-CD)PYRENE	940	PPB E	DRY	1.57
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	6000	PPB E	DRY	1.15
POLYCHLORINATED BIPHENYLS	680	PPB E	DRY	5.23
PHENANTHRENE	3000	PPB E	DRY	2.00
PYRENE	5500	PPB E	DRY	2.12
ZINC	430	PPM E	DRY	1.65

Survey: EBCHEM Station: DR-17

Date: 09/30/85 Sample ID: DR-17

Lowest of AMPT, BEHA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS 640 PPB E DRY 4.92

Survey: EBCHEM Station: DR-25

Date: 10/10/85 Sample ID: DR-25

Highest of AMPT, BEHA, MICB, and OYST.

2-METHYLPHENOL 280 PPB E DRY 4.44  
DIMETHYL PHTHALATE 190 PPB E DRY 1.19

Lowest of AMPT, BEHA, MICB, and OYST.

2-METHYLPHENOL 280 PPB E DRY 4.44  
4-METHYL PHENOL 1100 PPB E DRY 1.64  
BUTYL BENZYL PHTHALATE 78 PPB E DRY 1.24  
DIMETHYL PHTHALATE 190 PPB E DRY 2.68  
PHENOL 1200 PPB X DRY 1.79  
ZINC 360 PPM E DRY 1.38

Survey: EBCHEM Station: EW-01

Date: 10/09/85 Sample ID: EW-01

Lowest of AMPT, BEHA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS 560 PPB E DRY 4.31

Survey: EBCHEM Station: EW-02

Date: 10/04/85 Sample ID: EW-02

Highest of AMPT, BEHA, MICB, and OYST.

1-METHYL PHENANTHRENE 410 PPB E DRY 1.11  
ACENAPHTHENE 4400 PPB E DRY 4.49  
ANTHRACENE 6800 PPB E DRY 3.58  
BIPHENYL 430 PPB E DRY 1.59  
DIBENZOFURAN 3500 PPB E DRY 6.48  
FLUORENE 9200 PPB E DRY 5.11  
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT 32000 PPB E DRY 5.25  
PHENANTHRENE 11000 PPB E DRY 2.04

Lowest of AMPT, BEHA, MICB, and OYST.

1-METHYL PHENANTHRENE 410 PPB E DRY 1.32  
ACENAPHTHENE 4400 PPB E DRY 8.80  
ANTHRACENE 6800 PPB E DRY 7.08  
BENZO(A)ANTHRACENE 2100 PPB E DRY 1.62  
BIPHENYL 430 PPB E DRY 1.65  
CHRYSENE 2500 PPB E DRY 1.79  
DIBENZOFURAN 3500 PPB E DRY 6.48  
FLUORANTHENE 9600 PPB E DRY 5.65  
FLUORENE 9200 PPB E DRY 17.04  
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY 26000 PPB E DRY 2.17  
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT 32000 PPB E DRY 6.15  
MERCURY 0.72 PPM EM DRY 1.76  
POLYCHLORINATED BIPHENYLS 980 PPB E DRY 7.54  
PHENANTHRENE 11000 PPB E DRY 7.33  
PYRENE 6600 PPB E DRY 2.54

Survey: EBCHEM Station: EW-03

Date: 10/04/85 Sample ID: EW-03

Lowest of AMPT, BENA, MICB, and OYST.

BUTYL BENZYL PHTHALATE	72	PPB E	DRY	1.14
MERCURY	0.68	PPM E	DRY	1.66
POLYCHLORINATED BIPHENYLS	1000	PPB E	DRY	7.69

Survey: EBCHEM Station: EW-04

Date: 10/14/85 Sample ID: EW-04

Highest of AMPT, BENA, MICB, and OYST.

CHRYSENE	7200	PPB	DRY	1.07
INDENO(1,2,3-CD)PYRENE	1700	PPB E	DRY	1.93

Lowest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	330	PPB E	DRY	1.06
DIBENZO(A,H)ANTHRACENE	250	PPB E	DRY	1.09
ANTHRACENE	1700	PPB	DRY	1.77
BENZO(A)ANTHRACENE	2700	PPB	DRY	2.08
BENZO(A)PYRENE	3000	PPB E	DRY	1.88
BENZO(G,H,I)PERYLENE	1400	PPB E	DRY	2.09
CHRYSENE	7200	PPB	DRY	5.14
FLUORANTHENE	4100	PPB	DRY	2.41
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	34000	PPB E	DRY	2.83
INDENO(1,2,3-CD)PYRENE	1700	PPB E	DRY	2.83
MERCURY	0.49	PPM E	DRY	1.20
POLYCHLORINATED BIPHENYLS	430	PPB E	DRY	3.31
PHENANTHRENE	2400	PPB	DRY	1.60
PYRENE	5800	PPB	DRY	2.23
TOTAL BENZOFUORANTHENES (B + K)	7800	PPB	DRY	2.44

Survey: EBCHEM Station: EW-05

Date: 10/14/85 Sample ID: EW-05 Field rep: 1

Highest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	830	PPB E	DRY	2.24
BUTYL BENZYL PHTHALATE	1600	PPB	DRY	3.40
MERCURY	4.6	PPM E	DRY	2.19
P,P'-DDE	79	PPB E	DRY	5.27

Lowest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	830	PPB E	DRY	2.68
BUTYL BENZYL PHTHALATE	1600	PPB	DRY	25.40
CADMIUM	9.5	PPM	DRY	1.64
CHRYSENE	1600	PPB	DRY	1.14
FLUORANTHENE	2100	PPB	DRY	1.24
LEAD	500	PPM	DRY	1.67
MERCURY	4.6	PPM E	DRY	11.22
POLYCHLORINATED BIPHENYLS	2200	PPB E	DRY	16.92
P,P'-DDE	79	PPB E	DRY	8.78
ZINC	600	PPM E	DRY	2.31

Date: 10/14/85 Sample ID: EW-05 Field rep: 2

Highest of AMPT, BENA, MICB, and OYST.

BUTYL BENZYL PHTHALATE	650	PPB E	DRY	1.38
CADMIUM	15	PPM M	DRY	1.56
MERCURY	3.0	PPM EM	DRY	1.43
POLYCHLORINATED BIPHENYLS	2900	PPB EM	DRY	1.16
P,P'-DDE	16	PPB LM	DRY	1.07
P,P'-DDT	130	PPB LM	DRY	11.82

Lowest of AMPT, BENA, MICB, and OYST.

BUTYL BENZYL PHTHALATE	650	PPB E	DRY	10.32
CADMIUM	15	PPM M	DRY	2.59
LEAD	400	PPM M	DRY	1.33
MERCURY	3.0	PPM EM	DRY	7.32
POLYCHLORINATED BIPHENYLS	2900	PPB EM	DRY	22.31
P,P'-DDE	16	PPB LM	DRY	1.78
P,P'-DDT	130	PPB LM	DRY	33.33
ZINC	540	PPM EM	DRY	2.08

Survey: EBCHEM Station: EW-06

Highest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	420	PPB E	DRY	1.14
ANTHRACENE	4200	PPB E	DRY	2.21
INDENO(1,2,3-CD)PYRENE	2000	PPB E	DRY	2.27
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	7700	PPB E	DRY	1.26

Lowest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	420	PPB E	DRY	1.35
DIBENZO(A,H)ANTHRACENE	710	PPB E	DRY	3.09
ANTHRACENE	4200	PPB E	DRY	4.38
BENZO(A)ANTHRACENE	4300	PPB E	DRY	3.31
BENZO(A)PYRENE	3300	PPB E	DRY	2.06
BENZO(G,H,I)PERYLENE	1500	PPB E	DRY	2.24
BUTYL BENZYL PHTHALATE	72	PPB E	DRY	1.14
CADMIUM	6.3	PPM	DRY	1.09
CHRYSENE	6100	PPB E	DRY	4.36
FLUORANTHENE	7800	PPB E	DRY	4.59
FLUORENE	730	PPB E	DRY	1.35
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	37000	PPB E	DRY	3.08
INDENO(1,2,3-CD)PYRENE	2000	PPB E	DRY	3.33
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	7700	PPB E	DRY	1.48
MERCURY	0.79	PPM E	DRY	1.93
POLYCHLORINATED BIPHENYLS	1500	PPB E	DRY	11.54
PHENANTHRENE	2000	PPB E	DRY	1.33
PYRENE	5000	PPB E	DRY	1.92
TOTAL BENZOFLUORANTHENES (B + K)	6600	PPB E	DRY	2.06
ZINC	720	PPM E	DRY	2.77

Survey: EBCHEM Station: EW-07

Highest of AMPT, BENA, MICB, and OYST.

BUTYL BENZYL PHTHALATE	1800	PPB	DRY	3.83
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Lowest of AMPT, BENA, MICB, and OYST.

BENZO(A)ANTHRACENE	1400	PPB	DRY	1.08
BUTYL BENZYL PHTHALATE	1800	PPB	DRY	28.57
CHRYSENE	2900	PPB	DRY	2.07
FLUORANTHENE	2800	PPB	DRY	1.65
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	14000	PPB E	DRY	1.17
MERCURY	0.42	PPM E	DRY	1.02
POLYCHLORINATED BIPHENYLS	370	PPB E	DRY	2.85
PYRENE	2800	PPB	DRY	1.08
ZINC	280	PPM E	DRY	1.08

Survey: EBCHEM Station: EW-08

Date: 10/14/85 Sample ID: EW-08

Highest of AMPT, BENA, MICB, and OYST.

BUTYL BENZYL PHTHALATE	1800	PPB	DRY	3.83
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Lowest of AMPT, BENA, MICB, and OYST.

BUTYL BENZYL PHTHALATE	1800	PPB	DRY	28.57
MERCURY	0.59	PPM EM	DRY	1.44
POLYCHLORINATED BIPHENYLS	540	PPB E	DRY	4.15

Survey: EBCHEM Station: EW-09

Date: 10/14/85 Sample ID: EW-09

Highest of AMPT, BENA, MICB, and OYST.

BUTYL BENZYL PHTHALATE	1800	PPB	DRY	3.83
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Lowest of AMPT, BENA, MICB, and OYST.

BUTYL BENZYL PHTHALATE	1800	PPB	DRY	28.57
CHRYSENE	1600	PPB	DRY	1.14
FLUORANTHENE	2200	PPB	DRY	1.29
MERCURY	0.57	PPM E	DRY	1.39
POLYCHLORINATED BIPHENYLS	530	PPB E	DRY	4.08
ZINC	280	PPM E	DRY	1.08

Survey: EBCHEM Station: EW-10

Date: 10/14/85 Sample ID: EW-10

Lowest of AMPT, BENA, MICB, and OYST.

BUTYL BENZYL PHTHALATE	340	PPB E	DRY	5.40
MERCURY	0.53	PPM E	DRY	1.29
POLYCHLORINATED BIPHENYLS	500	PPB E	DRY	3.85

Survey: EBCHEM Station: EW-11

Date: 10/14/85 Sample ID: EW-11

Highest of AMPT, BENA, MICB, and OYST.

BUTYL BENZYL PHTHALATE	760	PPB E	DRY	1.62
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Lowest of AMPT, BENA, MICB, and OYST.

ANTHRACENE	1000	PPB E	DRY	1.04
BENZO(A)ANTHRACENE	2600	PPB	DRY	2.00
BUTYL BENZYL PHTHALATE	760	PPB E	DRY	12.06
CHRYSENE	4100	PPB	DRY	2.93
FLUORANTHENE	4900	PPB	DRY	2.88
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	26000	PPB E	DRY	2.17
INDENO(1,2,3-CD)PYRENE	690	PPB E	DRY	1.15
MERCURY	0.78	PPM E	DRY	1.90
POLYCHLORINATED BIPHENYLS	950	PPB E	DRY	7.31
PYRENE	5300	PPB	DRY	2.04
TOTAL BENZOFLUORANTHENES (B + K)	6200	PPB	DRY	1.94
ZINC	290	PPM E	DRY	1.12

Survey: EBCHEM Station: EW-12

Date: 10/15/85 Sample ID: EW-12

Highest of AMPT, BENA, MICB, and OYST.

BENZYL ALCOHOL	870	PPB E	DRY	11.92
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Lowest of AMPT, BENA, MICB, and OYST.

BENZYL ALCOHOL	870	PPB E	DRY	15.26
CHRYSENE	1600	PPB	DRY	1.14
POLYCHLORINATED BIPHENYLS	140	PPB E	DRY	1.08

Survey: EBCHEM Station: EW-13

Date: 10/15/85 Sample ID: EW-13

Highest of AMPT, BENA, MICB, and OYST.

P,P'-DDT	34	PPB	DRY	3.09
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Lowest of AMPT, BENA, MICB, and OYST.

BUTYL BENZYL PHTHALATE	69	PPB E	DRY	1.10
POLYCHLORINATED BIPHENYLS	450	PPB E	DRY	3.46
P,P'-DDT	34	PPB	DRY	8.72

Survey: EBCHEM Station: EW-14

Date: 10/15/85 Sample ID: EW-14

Highest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	1300	PPB E	DRY	3.51
ACENAPHTHYLENE	1300	PPB X	DRY	2.03
ANTHRACENE	4400	PPB	DRY	2.32
BENZO(A)ANTHRACENE	5100	PPB	DRY	1.13
CHRYSENE	9200	PPB	DRY	1.37
FLUORANTHENE	24000	PPB	DRY	2.45
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	69000	PPB E	DRY	1.82
INDENO(1,2,3-CD)PYRENE	1600	PPB E	DRY	1.82
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	13000	PPB E	DRY	2.13
PYRENE	16000	PPB	DRY	1.45

Lowest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	1300	PPB E	DRY	4.19
DIBENZO(A,H)ANTHRACENE	540	PPB E	DRY	2.35
ACENAPHTHYLENE	1300	PPB X	DRY	2.32
ANTHRACENE	4400	PPB	DRY	4.58
BENZO(A)ANTHRACENE	5100	PPB	DRY	3.92
BENZO(A)PYRENE	3000	PPB E	DRY	1.88
BENZO(G,H,I)PERYLENE	1400	PPB E	DRY	2.09
BUTYL BENZYL PHTHALATE	170	PPB E	DRY	2.70
CHRYSENE	9200	PPB	DRY	6.57
FLUORANTHENE	24000	PPB	DRY	14.12
FLUORENE	1000	PPB E	DRY	1.85
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	69000	PPB E	DRY	5.75
INDENO(1,2,3-CD)PYRENE	1600	PPB E	DRY	2.67
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	13000	PPB E	DRY	2.50
MERCURY	0.57	PPM E	DRY	1.39
POLYCHLORINATED BIPHENYLS	340	PPB E	DRY	2.62
PHENANTHRENE	5400	PPB	DRY	3.60
PYRENE	16000	PPB	DRY	6.15
TOTAL BENZOFLUORANTHENES (B + K)	7800	PPB	DRY	2.44

Survey: EBCHEM Station: EW-15

Date: 10/15/85 Sample ID: EW-15

Lowest of AMPT, BENA, MICB, and OYST.

BUTYL BENZYL PHTHALATE	160	PPB E	DRY	2.54
CHRYSENE	1900	PPB	DRY	1.36
INDENO(1,2,3-CD)PYRENE	610	PPB E	DRY	1.02
MERCURY	0.49	PPM E	DRY	1.20
ZINC	410	PPM E	DRY	1.58

Survey: EBCHEM Station: EW-16

Date: 10/15/85 Sample ID: EW-16

Lowest of AMPT, BENA, MICB, and OYST.

BUTYL BENZYL PHTHALATE	67	PPB E	DRY	1.06
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Survey: EBCHEM Station: KG-01

Date: 09/25/85 Sample ID: KG-01

Lowest of AMPT, BENA, MICB, and OYST.

BENZO(A)ANTHRACENE	1400	PPB E	DRY	1.08
BUTYL BENZYL PHTHALATE	88	PPB E	DRY	1.40
CHRYSENE	1900	PPB E	DRY	1.36
FLUORANTHENE	3600	PPB E	DRY	2.12
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	15000	PPB E	DRY	1.25
INDENO(1,2,3-CD)PYRENE	700	PPB E	DRY	1.17
MERCURY	0.48	PPM E	DRY	1.17
POLYCHLORINATED BIPHENYLS	490	PPB E	DRY	3.77
PYRENE	3400	PPB E	DRY	1.31
ZINC	960	PPM E	DRY	3.69

Survey: EBCHEM Station: KG-03

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Date: 09/25/85 Sample ID: KG-03

Lowest of AMPT, BENA, MICB, and OYST.

BUTYL BENZYL PHTHALATE	66	PPB E	DRY	1.05
POLYCHLORINATED BIPHENYLS	300	PPB E	DRY	2.31
ZINC	280	PPM E	DRY	1.08

Survey: EBCHEM Station: KG-04

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Date: 10/09/85 Sample ID: KG-04

Lowest of AMPT, BENA, MICB, and OYST.

LEAD	330	PPM	DRY	1.10
ZINC	270	PPM E	DRY	1.04

Survey: EBCHEM Station: KG-05

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Date: 09/30/85 Sample ID: KG-05

Lowest of AMPT, BENA, MICB, and OYST.

LEAD	500	PPM	DRY	1.67
MERCURY	1.6	PPM E	DRY	3.90
POLYCHLORINATED BIPHENYLS	180	PPB E	DRY	1.38
ZINC	350	PPM E	DRY	1.35

Survey: EBCHEM Station: KG-06

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Date: 09/30/85 Sample ID: KG-06

Highest of AMPT, BENA, MICB, and OYST.

2-METHYLNAPHTHALENE	1900	PPB	DRY	2.84
BUTYL BENZYL PHTHALATE	690	PPB E	DRY	1.47
POLYCHLORINATED BIPHENYLS	3100	PPB E	DRY	1.24
P,P'-DDT	270	PPB E	DRY	24.55

Lowest of AMPT, BENA, MICB, and OYST.

2-METHYLNAPHTHALENE	1900	PPB	DRY	2.84
BUTYL BENZYL PHTHALATE	690	PPB E	DRY	10.95
MERCURY	0.46	PPM E	DRY	1.12
POLYCHLORINATED BIPHENYLS	3100	PPB E	DRY	23.85
P,P'-DDT	270	PPB E	DRY	69.23
ZINC	450	PPM E	DRY	1.73

Survey: EBCHEM Station: KG-07

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Date: 09/30/85 Sample ID: KG-07

Lowest of AMPT, BENA, MICB, and OYST.

CHRYSENE	1900	PPB	DRY	1.36
FLUORANTHENE	2300	PPB	DRY	1.35
PHENANTHRENE	1800	PPB	DRY	1.20
ZINC	300	PPM E	DRY	1.15

Survey: EBCHEM Station: KG-08  
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Date: 10/01/85 Sample ID: KG-08  
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Lowest of AMPT, BENA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS 190 PPB E DRY 1.46

Survey: EBCHEM Station: KG-09  
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Date: 10/01/85 Sample ID: KG-09  
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Highest of AMPT, BENA, MICB, and OYST.

4-METHYL PHENOL 1500 PPB E DRY 1.25

Lowest of AMPT, BENA, MICB, and OYST.

4-METHYL PHENOL 1500 PPB E DRY 2.24  
POLYCHLORINATED BIPHENYLS 280 PPB E DRY 2.15

Survey: EBCHEM Station: KG-10  
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Date: 10/08/85 Sample ID: KG-10  
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Highest of AMPT, BENA, MICB, and OYST.

2-METHYLNAPHTHALENE 880 PPB E DRY 1.31  
BENZOIC ACID 6300 PPB DRY 9.69

Lowest of AMPT, BENA, MICB, and OYST.

2-METHYLNAPHTHALENE 880 PPB E DRY 1.31  
BENZOIC ACID 6300 PPB DRY 9.69

Survey: EBCHEM Station: KG-11  
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Date: 10/01/85 Sample ID: KG-11  
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Lowest of AMPT, BENA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS 180 PPB E DRY 1.38

Survey: EBCHEM Station: NH-01  
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Date: 10/15/85 Sample ID: NH-01  
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Lowest of AMPT, BENA, MICB, and OYST.

CHRYSENE 2400 PPB DRY 1.71  
FLUORANTHENE 1800 PPB DRY 1.06  
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY 15000 PPB E DRY 1.25  
INDENO(1,2,3-CD)PYRENE 660 PPB E DRY 1.10  
POLYCHLORINATED BIPHENYLS 160 PPB E DRY 1.23  
TOTAL BENZOFLUORANTHENES (B + K) 4500 PPB DRY 1.41

Survey: EBCHEM Station: NH-02

Date: 10/15/85 Sample ID: NH-02

Lowest of AMPT, BENA, MICB, and OYST.

CHRYSENE	2200	PPB	DRY	1.57
MERCURY	0.56	PPM E	DRY	1.37
POLYCHLORINATED BIPHENYLS	190	PPB E	DRY	1.46

Survey: EBCHEM Station: NH-03

Date: 10/16/85 Sample ID: NH-03

Highest of AMPT, BENA, MICB, and OYST.

DIBENZO(A,H)ANTHRACENE	2900	PPB E	DRY	2.42
COPPER	2100	PPM	DRY	2.63
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	51000	PPB E	DRY	1.34
INDENO(1,2,3-CD)PYRENE	5800	PPB E	DRY	6.59
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	8200	PPB E	DRY	1.34
MERCURY	11	PPM E	DRY	5.24
POLYCHLORINATED BIPHENYLS	3300	PPB E	DRY	1.32
P,P'-DDD	120	PPB	DRY	2.79
TOTAL BENZOFUORANTHENES (B + K)	12000	PPB E	DRY	1.50

Lowest of AMPT, BENA, MICB, and OYST.

DIBENZO(A,H)ANTHRACENE	2900	PPB E	DRY	12.61
ACENAPHTHENE	590	PPB E	DRY	1.18
ANTHRACENE	1900	PPB E	DRY	1.98
ARSENIC	120	PPM	DRY	1.41
BENZO(A)ANTHRACENE	3300	PPB E	DRY	2.54
BENZO(A)PYRENE	3800	PPB E	DRY	2.38
BENZO(G,H,I)PERYLENE	4900	PPB E	DRY	7.31
BUTYL BENZYL PHTHALATE	68	PPB E	DRY	1.08
CHRYSENE	4300	PPB E	DRY	3.07
COPPER	2100	PPM	DRY	6.77
FLUORANTHENE	4400	PPB E	DRY	2.59
FLUORENE	920	PPB E	DRY	1.70
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	51000	PPB E	DRY	4.25
INDENO(1,2,3-CD)PYRENE	5800	PPB E	DRY	9.67
LEAD	550	PPM	DRY	1.83
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	8200	PPB E	DRY	1.58
MERCURY	11	PPM E	DRY	26.83
POLYCHLORINATED BIPHENYLS	3300	PPB E	DRY	25.38
PHENANTHRENE	3700	PPB E	DRY	2.47
P,P'-DDD	120	PPB	DRY	60.00
PYRENE	9200	PPB E	DRY	3.54
TOTAL BENZOFUORANTHENES (B + K)	12000	PPB E	DRY	3.75
ZINC	1300	PPM E	DRY	5.00

Survey: EBCHEM Station: NH-04

Date: 10/15/85 Sample ID: NH-04

Highest of AMPT, BENA, MICB, and OYST.

2-METHYLPHENOL	240	PPB E	DRY	3.81
2,4-DIMETHYL PHENOL	39	PPB E	DRY	1.34
COPPER	1800	PPM	DRY	2.25
INDENO(1,2,3-CD)PYRENE	1800	PPB E	DRY	2.05
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	7600	PPB E	DRY	1.25

Lowest of AMPT, BENA, MICB, and OYST.

2-METHYLPHENOL	240	PPB E	DRY	3.81
2,4-DIMETHYL PHENOL	39	PPB E	DRY	1.34
DIBENZO(A,H)ANTHRACENE	720	PPB E	DRY	3.13
4-METHYL PHENOL	1000	PPB E	DRY	1.49
ACENAPHTHENE	670	PPB E	DRY	1.34
ANTHRACENE	1500	PPB E	DRY	1.56
ARSENIC	170	PPM	DRY	2.00
BENZO(A)ANTHRACENE	1800	PPB	DRY	1.38
BENZO(A)PYRENE	1800	PPB E	DRY	1.13
BENZO(G,H,I)PERYLENE	1500	PPB E	DRY	2.24
CHRYSENE	1900	PPB	DRY	1.36
COPPER	1800	PPM	DRY	5.81
FLUORANTHENE	6700	PPB E	DRY	3.94
FLUORENE	920	PPB E	DRY	1.70
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	25000	PPB E	DRY	2.08
INDENO(1,2,3-CD)PYRENE	1800	PPB E	DRY	3.00
LEAD	350	PPM	DRY	1.17
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	7600	PPB E	DRY	1.46
MERCURY	0.87	PPM E	DRY	2.12
POLYCHLORINATED BIPHENYLS	160	PPB E	DRY	1.23
PHENANTHRENE	3400	PPB	DRY	2.27
PYRENE	4300	PPB	DRY	1.65
TOTAL BENZOFUORANTHENES (B + K)	4200	PPB	DRY	1.31
ZINC	990	PPM E	DRY	3.81

Survey: EBCHEM Station: NH-05

Date: 10/15/85 Sample ID: NH-05

Highest of AMPT, BENA, MICB, and OYST.

DIBENZOFURAN	570	PPB E	DRY	1.06
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	8500	PPB E	DRY	1.39
NAPHTHALENE	2600	PPB	DRY	1.08

Lowest of AMPT, BENA, MICB, and OYST.

ACENAPHTHENE	870	PPB E	DRY	1.74
ANTHRACENE	1800	PPB E	DRY	1.88
DIBENZOFURAN	570	PPB E	DRY	1.06
FLUORANTHENE	2300	PPB E	DRY	1.35
FLUORENE	970	PPB E	DRY	1.80
INDENO(1,2,3-CD)PYRENE	610	PPB E	DRY	1.02
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	8500	PPB E	DRY	1.63
MERCURY	0.43	PPM E	DRY	1.05
NAPHTHALENE	2600	PPB	DRY	1.24
POLYCHLORINATED BIPHENYLS	500	PPB E	DRY	3.85
PHENANTHRENE	2000	PPB	DRY	1.33
ZINC	300	PPM E	DRY	1.15

Survey: EBCHEM Station: NH-06

Date: 10/16/85 Sample ID: NH-06

Highest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	1400	PPB E	DRY	3.78
2-METHYLNAPHTHALENE	2900	PPB E	DRY	4.33
DIBENZO(A,H)ANTHRACENE	3600	PPB E	DRY	3.00
ACENAPHTHENE	5100	PPB E	DRY	5.20
ACENAPHTHYLENE	730	PPB E	DRY	1.14
ANTHRACENE	10000	PPB E	DRY	5.26
BENZO(A)ANTHRACENE	9400	PPB E	DRY	2.09
BENZO(A)PYRENE	7400	PPB E	DRY	1.09
BIPHENYL	1800	PPB E	DRY	6.67
CHRYSENE	16000	PPB E	DRY	2.39
DIBENZOFURAN	3200	PPB E	DRY	5.93
FLUORANTHENE	27000	PPB E	DRY	2.76
FLUORENE	6000	PPB E	DRY	3.33
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	130000	PPB E	DRY	3.42
INDENO(1,2,3-CD)PYRENE	6400	PPB E	DRY	7.27
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	57000	PPB E	DRY	9.34
NAPHTHALENE	15000	PPB E	DRY	6.25
PHENANTHRENE	20000	PPB E	DRY	3.70
PYRENE	28000	PPB E	DRY	2.55
TOTAL BENZOFUORANTHENES (B + K)	26000	PPB E	DRY	3.25

Lowest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	1400	PPB E	DRY	4.52
2-METHYLNAPHTHALENE	2900	PPB E	DRY	4.33
DIBENZO(A,H)ANTHRACENE	3600	PPB E	DRY	15.65
ACENAPHTHENE	5100	PPB E	DRY	10.20
ACENAPHTHYLENE	730	PPB E	DRY	1.30
ANTHRACENE	10000	PPB E	DRY	10.42
BENZO(A)ANTHRACENE	9400	PPB E	DRY	7.23
BENZO(A)PYRENE	7400	PPB E	DRY	4.63
BENZO(G,H,I)PERYLENE	4300	PPB E	DRY	6.42
BIPHENYL	1800	PPB E	DRY	6.92
CHRYSENE	16000	PPB E	DRY	11.43
DIBENZOFURAN	3200	PPB E	DRY	5.93
FLUORANTHENE	27000	PPB E	DRY	15.88
FLUORENE	6000	PPB E	DRY	11.11
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	130000	PPB E	DRY	10.83
INDENO(1,2,3-CD)PYRENE	6400	PPB E	DRY	10.67
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	57000	PPB E	DRY	10.96
MERCURY	0.68	PPM E	DRY	1.66
NAPHTHALENE	15000	PPB E	DRY	7.14
POLYCHLORINATED BIPHENYLS	600	PPB E	DRY	4.62
PHENANTHRENE	20000	PPB E	DRY	13.33
PYRENE	28000	PPB E	DRY	10.77
TOTAL BENZOFUORANTHENES (B + K)	26000	PPB E	DRY	8.13
ZINC	610	PPM E	DRY	2.35

Survey: EBCHEM Station: NH-08

Date: 10/16/85 Sample ID: NH-08

Highest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	900	PPB E	DRY	2.43
2-METHYLNAPHTHALENE	2400	PPB E	DRY	3.58
DIBENZO(A,H)ANTHRACENE	2500	PPB E	DRY	2.08
ACENAPHTHENE	5300	PPB E	DRY	5.41
ANTHRACENE	7100	PPB E	DRY	3.74
BENZO(A)ANTHRACENE	8300	PPB E	DRY	1.84
BIPHENYL	1600	PPB E	DRY	5.93
CHRYSENE	11000	PPB E	DRY	1.64
DIBENZOFURAN	2600	PPB E	DRY	4.81
FLUORENE	4700	PPB E	DRY	2.61
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	79000	PPB E	DRY	2.08
INDENO(1,2,3-CD)PYRENE	4200	PPB E	DRY	4.77
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	37000	PPB E	DRY	6.07
NAPHTHALENE	6600	PPB E	DRY	2.75
PHENANTHRENE	13000	PPB E	DRY	2.41
PYRENE	19000	PPB E	DRY	1.73
TOTAL BENZOFLUORANTHENES (B + K)	21000	PPB E	DRY	2.63

Lowest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	900	PPB E	DRY	2.90
2-METHYLNAPHTHALENE	2400	PPB E	DRY	3.58
DIBENZO(A,H)ANTHRACENE	2500	PPB E	DRY	10.87
ACENAPHTHENE	5300	PPB E	DRY	10.60
ACENAPHTHYLENE	600	PPB E	DRY	1.07
ANTHRACENE	7100	PPB E	DRY	7.40
BENZO(A)ANTHRACENE	8300	PPB E	DRY	6.38
BENZO(A)PYRENE	5400	PPB E	DRY	3.38
BENZO(G,H,I)PERYLENE	3100	PPB E	DRY	4.63
BIPHENYL	1600	PPB E	DRY	6.15
CHRYSENE	11000	PPB E	DRY	7.86
DIBENZOFURAN	2600	PPB E	DRY	4.81
FLUORANTHENE	4400	PPB E	DRY	2.59
FLUORENE	4700	PPB E	DRY	8.70
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	79000	PPB E	DRY	6.58
INDENO(1,2,3-CD)PYRENE	4200	PPB E	DRY	7.00
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	37000	PPB E	DRY	7.12
NAPHTHALENE	6600	PPB E	DRY	3.14
POLYCHLORINATED BIPHENYLS	1300	PPB E	DRY	10.00
PHENANTHRENE	13000	PPB E	DRY	8.67
PYRENE	19000	PPB E	DRY	7.31
TOTAL BENZOFLUORANTHENES (B + K)	21000	PPB E	DRY	6.56
ZINC	620	PPM E	DRY	2.38

Survey: EBCHEM Station: NH-09

Date: 10/16/85 Sample ID: NH-09

Lowest of AMPT, BENA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS	280	PPB E	DRY	2.15
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Survey: EBCHEM Station: NH-10

Date: 10/08/85 Sample ID: NH-10

Lowest of AMPT, BENA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS	160	PPB E	DRY	1.23
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Survey: EBCHEM Station: NH-11

Date: 10/15/85 Sample ID: NH-11

Lowest of AMPT, BENA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS 300 PPB E DRY 2.31

Survey: EBCHEM Station: NS-01

Date: 10/08/85 Sample ID: NS-01

Highest of AMPT, BENA, MICB, and OYST.

SILVER 8.3 PPM E DRY 1.60

Lowest of AMPT, BENA, MICB, and OYST.

SILVER 8.3 PPM E DRY 1.60

Survey: EBCHEM Station: NS-02

Date: 09/27/85 Sample ID: NS-02

Lowest of AMPT, BENA, MICB, and OYST.

MERCURY 0.44 PPM E DRY 1.07  
PHENANTHRENE 2400 PPB DRY 1.60

Survey: EBCHEM Station: NS-03

Date: 10/04/85 Sample ID: NS-03

Lowest of AMPT, BENA, MICB, and OYST.

BUTYL BENZYL PHTHALATE 75 PPB X DRY 1.19  
POLYCHLORINATED BIPHENYLS 310 PPB E DRY 2.38

Survey: EBCHEM Station: NS-04

Date: 10/08/85 Sample ID: NS-04

Highest of AMPT, BENA, MICB, and OYST.

4-METHYL PHENOL 1300 PPB E DRY 1.08

Lowest of AMPT, BENA, MICB, and OYST.

4-METHYL PHENOL 1300 PPB E DRY 1.94

Survey: EBCHEM Station: NS-05

Date: 10/04/85 Sample ID: NS-05

Lowest of AMPT, BENA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS 200 PPB E DRY 1.54

Survey: EBCHEM Station: NS-06

Date: 09/27/85 Sample ID: NS-06

Highest of AMPT, BENA, MICB, and OYST.

TOTAL PHTHALATES 10000 PPB L DRY 3.03

Lowest of AMPT, BENA, MICB, and OYST.

TOTAL PHTHALATES 10000 PPB L DRY 3.03

Survey: EBCHEM Station: NS-07

Date: 10/04/85 Sample ID: NS-07

Highest of AMPT, BENA, MICB, and OYST.

FLUORANTHENE	12000	PPB E	DRY	1.22
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	40000	PPB E	DRY	1.05
INDENO(1,2,3-CD)PYRENE	2300	PPB E	DRY	2.61

Lowest of AMPT, BENA, MICB, and OYST.

DIBENZO(A,H)ANTHRACENE	950	PPB E	DRY	4.13
ANTHRACENE	1100	PPB E	DRY	1.15
BENZO(A)ANTHRACENE	3500	PPB E	DRY	2.69
BENZO(A)PYRENE	2600	PPB E	DRY	1.63
BENZO(G,H,I)PERYLENE	1700	PPB E	DRY	2.54
CHRYSENE	3400	PPB E	DRY	2.43
FLUORANTHENE	12000	PPB E	DRY	7.06
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	40000	PPB E	DRY	3.33
INDENO(1,2,3-CD)PYRENE	2300	PPB E	DRY	3.83
MERCURY	0.66	PPM E	DRY	1.61
POLYCHLORINATED BIPHENYLS	330	PPB E	DRY	2.54
PHENANTHRENE	2300	PPB E	DRY	1.53
PYRENE	8300	PPB E	DRY	3.19
TOTAL BENZOFLUORANTHENES (B + K)	5700	PPB E	DRY	1.78

Survey: EBCHEM Station: NS-08

Date: 09/26/85 Sample ID: NS-08

Highest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	390	PPB E	DRY	1.05
INDENO(1,2,3-CD)PYRENE	1100	PPB E	DRY	1.25

Lowest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	390	PPB E	DRY	1.26
DIBENZO(A,H)ANTHRACENE	310	PPB E	DRY	1.35
ANTHRACENE	1100	PPB	DRY	1.15
BENZO(G,H,I)PERYLENE	890	PPB E	DRY	1.33
BUTYL BENZYL PHTHALATE	200	PPB E	DRY	3.17
CHRYSENE	2000	PPB	DRY	1.43
FLUORANTHENE	2200	PPB	DRY	1.29
INDENO(1,2,3-CD)PYRENE	1100	PPB E	DRY	1.83

Survey: EBCHEM Station: SS-03

Date: 10/04/85 Sample ID: SS-03

Highest of AMPT, BENA, MICB, and OYST.

1,4-DICHLOROBENZENE	380	PPB X	DRY	1.46
BENZYL ALCOHOL	1300	PPB E	DRY	17.81
COPPER	1000	PPM	DRY	1.25
DIMETHYL PHTHALATE	300	PPB E	DRY	1.88
INDENO(1,2,3-CD)PYRENE	1300	PPB E	DRY	1.48
ZINC	4800	PPM E	DRY	3.00

Lowest of AMPT, BENA, MICB, and OYST.

1,4-DICHLOROBENZENE	380	PPB X	DRY	3.45
DIBENZO(A,H)ANTHRACENE	650	PPB E	DRY	2.83
ANTHRACENE	1200	PPB E	DRY	1.25
ARSENIC	580	PPM	DRY	6.82
BENZO(A)ANTHRACENE	1700	PPB E	DRY	1.31
BENZO(A)PYRENE	1700	PPB E	DRY	1.06
BENZYL ALCOHOL	1300	PPB E	DRY	22.81
BENZO(G,H,I)PERYLENE	950	PPB E	DRY	1.42
CADMUM	7.2	PPM	DRY	1.24
CHRYSENE	2000	PPB E	DRY	1.43
TOTAL CHLORINATED BENZENES	380	PPB E	DRY	2.24
COPPER	1000	PPM	DRY	3.23
DIMETHYL PHTHALATE	300	PPB E	DRY	4.23
FLUORANTHENE	2400	PPB E	DRY	1.41
FLUORENE	590	PPB E	DRY	1.09
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	17000	PPB E	DRY	1.42
INDENO(1,2,3-CD)PYRENE	1300	PPB E	DRY	2.17
LEAD	650	PPM	DRY	2.17
MERCURY	0.91	PPM E	DRY	2.22
POLYCHLORINATED BIPHENYLS	570	PPB E	DRY	4.38
PHENANTHRENE	2400	PPB E	DRY	1.60
P,P'-DDD	29	PPB	DRY	14.50
TOTAL BENZOFUORANTHENES (B + K)	3600	PPB E	DRY	1.13
ZINC	4800	PPM E	DRY	18.46

Survey: EBCHEM Station: SS-04

Date: 10/04/85 Sample ID: SS-04

Highest of AMPT, BENA, MICB, and OYST.

DIBENZO(A,H)ANTHRACENE	1900	PPB E	DRY	1.58
ANTHRACENE	2800	PPB E	DRY	1.47
BUTYL BENZYL PHTHALATE	970	PPB X	DRY	2.06
DIBENZOFURAN	560	PPB E	DRY	1.04
INDENO(1,2,3-CD)PYRENE	4400	PPB E	DRY	5.00
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	8900	PPB E	DRY	1.46
P,P'-DDD	63	PPB	DRY	1.47
P,P'-DDT	180	PPB	DRY	16.36

Lowest of AMPT, BENA, MICB, and OYST.

DIBENZO(A,H)ANTHRACENE	1900	PPB E	DRY	8.26
ANTHRACENE	2800	PPB E	DRY	2.92
BENZO(A)ANTHRACENE	3000	PPB E	DRY	2.31
BENZO(A)PYRENE	3400	PPB E	DRY	2.13
BENZO(G,H,I)PERYLENE	3200	PPB E	DRY	4.78
BUTYL BENZYL PHthalATE	970	PPB X	DRY	15.40
CHRYSENE	4100	PPB E	DRY	2.93
DIBENZOFURAN	560	PPB E	DRY	1.04
FLUORANTHENE	4700	PPB E	DRY	2.76
FLUORENE	840	PPB E	DRY	1.56
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	38000	PPB E	DRY	3.17
INDENO(1,2,3-CD)PYRENE	4400	PPB E	DRY	7.33
LEAD	400	PPM	DRY	1.33
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	8900	PPB E	DRY	1.71
MERCURY	1.9	PPM E	DRY	4.63
POLYCHLORINATED BIPHENYLS	1600	PPB E	DRY	12.31
PHENANTHRENE	3000	PPB E	DRY	2.00
P,P'-DDD	63	PPB	DRY	31.50
P,P'-DDT	180	PPB	DRY	46.15
PYRENE	5900	PPB E	DRY	2.27
TOTAL BENZOFUORANTHENES (B + K)	7700	PPB E	DRY	2.41
ZINC	370	PPM E	DRY	1.42

Survey: EBCHEM Station: SS-05

Date: 10/03/85 Sample ID: SS-05 Field rep: SS18

Highest of AMPT, BENA, MICB, and OYST.

ACENAPHTHYLENE	660	PPB EM	DRY	1.03
ANTHRACENE	3700	PPB EM	DRY	1.95
DIBENZOFURAN	630	PPB EM	DRY	1.17
INDENO(1,2,3-CD)PYRENE	1600	PPB EM	DRY	1.82
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	9400	PPB E	DRY	1.54
SILVER	6.1	PPM EM	DRY	1.17

Lowest of AMPT, BENA, MICB, and OYST.

DIBENZO(A,H)ANTHRACENE	510	PPB EM	DRY	2.22
ACENAPTHENE	600	PPB EM	DRY	1.20
ACENAPHTHYLENE	660	PPB EM	DRY	1.18
ANTHRACENE	3700	PPB EM	DRY	3.85
BENZO(A)ANTHRACENE	3100	PPB M	DRY	2.38
BENZO(A)PYRENE	2400	PPB EM	DRY	1.50
BENZO(G,H,I)PERYLENE	1100	PPB EM	DRY	1.64
CHRYSENE	4500	PPB M	DRY	3.21
DIBENZOFURAN	630	PPB EM	DRY	1.17
FLUORANTHENE	8000	PPB EM	DRY	4.71
FLUORENE	800	PPB EM	DRY	1.48
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	28000	PPB E	DRY	2.33
INDENO(1,2,3-CD)PYRENE	1600	PPB EM	DRY	2.67
LEAD	310	PPM M	DRY	1.03
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	9400	PPB E	DRY	1.81
MERCURY	1.7	PPM EM	DRY	4.15
POLYCHLORINATED BIPHENYLS	580	PPB EM	DRY	4.46
PHENANTHRENE	4500	PPB M	DRY	3.00
P,P'-DDD	14	PPB LM	DRY	7.00
PYRENE	5900	PPB M	DRY	2.27
SILVER	6.1	PPM EM	DRY	1.17
TOTAL BENZOFUORANTHENES (B + K)	6600	PPB M	DRY	2.06
ZINC	320	PPM EM	DRY	1.23

Date: 10/03/85 Sample ID: SS-05 Field rep: SS19

Highest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	1100	PPB E	DRY	2.97
BIPHENYL	300	PPB E	DRY	1.11
BUTYL BENZYL PHTHALATE	900	PPB E	DRY	1.91
SILVER	5.6	PPM E	DRY	1.08

Lowest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	1100	PPB E	DRY	3.55
BENZO(A)ANTHRACENE	1400	PPB E	DRY	1.08
BIPHENYL	300	PPB E	DRY	1.15
BUTYL BENZYL PHTHALATE	900	PPB E	DRY	14.29
CHRYSENE	2700	PPB	DRY	1.93
FLUORANTHENE	2400	PPB	DRY	1.41
LEAD	320	PPM	DRY	1.07
MERCURY	1.6	PPM E	DRY	3.90
POLYCHLORINATED BIPHENYLS	610	PPB E	DRY	4.69
PYRENE	3500	PPB	DRY	1.35
SILVER	5.6	PPM E	DRY	1.08
TOTAL BENZOFUORANTHENES (B + K)	3900	PPB	DRY	1.22
ZINC	320	PPM E	DRY	1.23

Survey: EBCHEM Station: SS-06

Date: 10/03/85 Sample ID: SS-06

Highest of AMPT, BENA, MICB, and OYST.

DIBENZO(A,H)ANTHRACENE	1500	PPB E	DRY	1.25
ACENAPHTHENE	1000	PPB E	DRY	1.02
ACENAPHTHYLENE	2000	PPB	DRY	3.13
ANTHRACENE	11000	PPB E	DRY	5.79
DIBENZOFURAN	590	PPB E	DRY	1.09
FLUORANTHENE	15000	PPB E	DRY	1.53
FLUORENE	2700	PPB	DRY	1.50
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	77000	PPB E	DRY	2.03
INDENO(1,2,3-CD)PYRENE	3900	PPB E	DRY	4.43
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	24000	PPB E	DRY	3.93
PHENANTHRENE	6000	PPB	DRY	1.11
PYRENE	17000	PPB	DRY	1.55
TOTAL BENZOFUORANTHENES (B + K)	21000	PPB	DRY	2.63

Lowest of AMPT, BENA, MICB, and OYST.

DIBENZO(A,H)ANTHRACENE	1500	PPB E	DRY	6.52
ACENAPHTHENE	1000	PPB E	DRY	2.00
ACENAPHTHYLENE	2000	PPB	DRY	3.57
ANTHRACENE	11000	PPB E	DRY	11.46
BENZO(A)ANTHRACENE	4300	PPB	DRY	3.31
BENZO(A)PYRENE	5600	PPB E	DRY	3.50
BENZO(G,H,I)PERYLENE	2700	PPB E	DRY	4.03
CHRYSENE	5500	PPB	DRY	3.93
DIBENZOFURAN	590	PPB E	DRY	1.09
FLUORANTHENE	15000	PPB E	DRY	8.82
FLUORENE	2700	PPB	DRY	5.00
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	77000	PPB E	DRY	6.42
INDENO(1,2,3-CD)PYRENE	3900	PPB E	DRY	6.50
LEAD	310	PPM	DRY	1.03
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	24000	PPB E	DRY	4.62
MERCURY	1.9	PPM E	DRY	4.63
POLYCHLORINATED BIPHENYLS	570	PPB E	DRY	4.38
PHENANTHRENE	6000	PPB	DRY	4.00
PYRENE	17000	PPB	DRY	6.54
TOTAL BENZOFUORANTHENES (B + K)	21000	PPB	DRY	6.56
ZINC	420	PPM E	DRY	1.62

Survey: EBCHEM Station: SS-07

Date: 10/03/85 Sample ID: SS-07

Highest of AMPT, BENA, MICB, and OYST.

2-METHYLNAPHTHALENE	1400	PPB	DRY	2.09
2,4-DIMETHYL PHENOL	210	PPB E	DRY	7.24
ACENAPHTHYLENE	1200	PPB	DRY	1.88
ANTHRACENE	4100	PPB E	DRY	2.16
DIBENZOFURAN	700	PPB E	DRY	1.30
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	42000	PPB E	DRY	1.11
INDENO(1,2,3-CD)PYRENE	2600	PPB E	DRY	2.95
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	13000	PPB E	DRY	2.13
NAPHTHALENE	2700	PPB X	DRY	1.13
SILVER	5.9	PPM E	DRY	1.13
TOTAL BENZOFUORANTHENES (B + K)	9900	PPB	DRY	1.24

Lowest of AMPT, BENA, MICB, and OYST.

2-METHYLNAPHTHALENE	1400	PPB	DRY	2.09
2,4-DIMETHYL PHENOL	210	PPB E	DRY	7.24
DIBENZO(A,H)ANTHRACENE	970	PPB E	DRY	4.22
ACENAPHTHENE	730	PPB E	DRY	1.46
ACENAPHTHYLENE	1200	PPB	DRY	2.14
ANTHRACENE	4100	PPB E	DRY	4.27
BENZO(A)ANTHRACENE	4100	PPB	DRY	3.15
BENZO(A)PYRENE	3200	PPB E	DRY	2.00
BENZO(G,H,I)PERYLENE	1900	PPB E	DRY	2.84
CHRYSENE	4900	PPB	DRY	3.50
COPPER	530	PPM	DRY	1.71
DIBENZOFURAN	700	PPB E	DRY	1.30
FLUORANTHENE	7100	PPB E	DRY	4.18
FLUORENE	1000	PPB	DRY	1.85
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	42000	PPB E	DRY	3.50
INDENO(1,2,3-CD)PYRENE	2600	PPB E	DRY	4.33
LEAD	450	PPM	DRY	1.50
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	13000	PPB E	DRY	2.50
MERCURY	2.1	PPM E	DRY	5.12
NAPHTHALENE	2700	PPB X	DRY	1.29
POLYCHLORINATED BIPHENYLS	460	PPB E	DRY	3.54
PHENANTHRENE	3300	PPB	DRY	2.20
PYRENE	7000	PPB	DRY	2.69
SILVER	5.9	PPM E	DRY	1.13
TOTAL BENZOFUORANTHENES (B + K)	9900	PPB	DRY	3.09
ZINC	340	PPM E	DRY	1.31

Survey: EBCHEM Station: SS-08

Date: 09/27/85 Sample ID: SS-08

Highest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	100000	PPB E	DRY	270.27
2-METHYLNAPHTHALENE	3300	PPB	DRY	4.93
DIBENZO(A,H)ANTHRACENE	12000	PPB E	DRY	10.00
ACENAPHTHENE	33000	PPB	DRY	33.67
ACENAPHTHYLENE	37000	PPB X	DRY	57.81
ANTHRACENE	190000	PPB	DRY	100.00
BENZO(A)ANTHRACENE	300000	PPB	DRY	66.67
BENZO(A)PYRENE	100000	PPB E	DRY	14.71
BENZO(G,H,I)PERYLENE	32000	PPB E	DRY	5.93
CHRYSENE	350000	PPB	DRY	52.24
DIBENZOFURAN	7100	PPB	DRY	13.15
FLUORANTHENE	1300000	PPB	DRY	132.65
FLUORENE	37000	PPB	DRY	20.56
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	3200000	PPB E	DRY	84.21
INDENO(1,2,3-CD)PYRENE	40000	PPB E	DRY	45.45
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	630000	PPB	DRY	103.28
NAPHTHALENE	5300	PPB X	DRY	2.21
PHENANTHRENE	330000	PPB	DRY	61.11
PYRENE	740000	PPB	DRY	67.27
TOTAL BENZOFLUORANTHENES (B + K)	300000	PPB	DRY	37.50
TOTAL ORGANIC CARBON	26.6	PCT E	DRY	1.77
TOTAL VOLATILE SOLIDS	41.1	PCT	DRY	1.52

Lowest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	100000	PPB E	DRY	322.58
2-METHYLNAPHTHALENE	3300	PPB	DRY	4.93
DIBENZO(A,H)ANTHRACENE	12000	PPB E	DRY	52.17
ACENAPHTHENE	33000	PPB	DRY	66.00
ACENAPHTHYLENE	37000	PPB X	DRY	66.07
ANTHRACENE	190000	PPB	DRY	197.92
BENZO(A)ANTHRACENE	300000	PPB	DRY	230.77
BENZO(A)PYRENE	100000	PPB E	DRY	62.50
BENZO(G,H,I)PERYLENE	32000	PPB E	DRY	47.76
CHRYSENE	350000	PPB	DRY	250.00
DIBENZOFURAN	7100	PPB	DRY	13.15
FLUORANTHENE	1300000	PPB	DRY	764.71
FLUORENE	37000	PPB	DRY	68.52
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	3200000	PPB E	DRY	266.67
INDENO(1,2,3-CD)PYRENE	40000	PPB E	DRY	66.67
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	630000	PPB	DRY	121.15
MERCURY	1.7	PPM E	DRY	4.15
NAPHTHALENE	5300	PPB X	DRY	2.52
PHENANTHRENE	330000	PPB	DRY	220.00
PYRENE	740000	PPB	DRY	284.62
TOTAL BENZOFLUORANTHENES (B + K)	300000	PPB	DRY	93.75
TOTAL ORGANIC CARBON	26.6	PCT E	DRY	1.77
TOTAL VOLATILE SOLIDS	41.1	PCT	DRY	1.87

Survey: EBCHEM Station: SS-09

Date: 09/27/85 Sample ID: SS-09

Highest of AMPT, BENA, MICB, and OYST.

1,4-DICHLOROBENZENE	31000	PPB X	DRY	119.23
1-METHYL PHENANTHRENE	970	PPB E	DRY	2.62
DIBENZO(A,H)ANTHRACENE	1300	PPB E	DRY	1.08
ACENAPHTHYLENE	2600	PPB	DRY	4.06
ANTHRACENE	5100	PPB	DRY	2.68
BENZO(A)ANTHRACENE	7900	PPB	DRY	1.76
BENZO(A)PYRENE	8200	PPB E	DRY	1.21
CADMIUM	17	PPM	DRY	1.77
CHRYSENE	20000	PPB	DRY	2.99
TOTAL CHLORINATED BENZENES	31000	PPB	DRY	45.59
FLUORANTHENE	10000	PPB	DRY	1.02
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	100000	PPB E	DRY	2.63
INDENO(1,2,3-CD)PYRENE	4400	PPB E	DRY	5.00
LEAD	71000	PPM	DRY	101.43
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	15000	PPB E	DRY	2.46
MERCURY	3.9	PPM E	DRY	1.86
POLYCHLORINATED BIPHENYLS	3300	PPB E	DRY	1.32
P,P'-DDD	140	PPB E	DRY	3.26
P,P'-DDE	36	PPB	DRY	2.40
PYRENE	14000	PPB	DRY	1.27
TOTAL BENZOFUORANTHENES (B + K)	32000	PPB	DRY	4.00
ZINC	6000	PPM E	DRY	3.75

Lowest of AMPT, BENA, MICB, and OYST.

1,4-DICHLOROBENZENE	31000	PPB X	DRY	281.82
1-METHYL PHENANTHRENE	970	PPB E	DRY	3.13
DIBENZO(A,H)ANTHRACENE	1300	PPB E	DRY	5.65
ACENAPHTHYLENE	2600	PPB	DRY	4.64
ANTHRACENE	5100	PPB	DRY	5.31
BENZO(A)ANTHRACENE	7900	PPB	DRY	6.08
BENZO(A)PYRENE	8200	PPB E	DRY	5.13
BENZO(G,H,I)PERYLENE	3800	PPB E	DRY	5.67
CADMIUM	17	PPM	DRY	2.93
CHRYSENE	20000	PPB	DRY	14.29
TOTAL CHLORINATED BENZENES	31000	PPB	DRY	182.35
COPPER	350	PPM	DRY	1.13
DIMETHYL PHTHALATE	160	PPB E	DRY	2.25
FLUORANTHENE	10000	PPB	DRY	5.88
FLUORENE	860	PPB E	DRY	1.59
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	100000	PPB E	DRY	8.33
INDENO(1,2,3-CD)PYRENE	4400	PPB E	DRY	7.33
LEAD	71000	PPM	DRY	236.67
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	15000	PPB E	DRY	2.88
MERCURY	3.9	PPM E	DRY	9.51
POLYCHLORINATED BIPHENYLS	3300	PPB E	DRY	25.38
PHENANTHRENE	4800	PPB	DRY	3.20
P,P'-DDD	140	PPB E	DRY	70.00
P,P'-DDE	36	PPB	DRY	4.00
PYRENE	14000	PPB	DRY	5.38
TOTAL BENZOFUORANTHENES (B + K)	32000	PPB	DRY	10.00
ZINC	6000	PPM E	DRY	23.08

Survey: EBCHEM Station: SS-10

Date: 09/27/85 Sample ID: SS-10

Highest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	380	PPB E	DRY	1.03
ACENAPHTHYLENE	740	PPB X	DRY	1.16
ANTHRACENE	2400	PPB	DRY	1.26
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	45000	PPB E	DRY	1.18
INDENO(1,2,3-CD)PYRENE	1600	PPB E	DRY	1.82
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	7100	PPB	DRY	1.16
TOTAL BENZOFUORANTHENES (B + K)	9100	PPB	DRY	1.14

Lowest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	380	PPB E	DRY	1.23
ACENAPHTHYLENE	740	PPB X	DRY	1.32
ANTHRACENE	2400	PPB	DRY	2.50
BENZO(A)ANTHRACENE	3400	PPB	DRY	2.62
BENZO(A)PYRENE	3500	PPB E	DRY	2.19
BENZO(G,H,I)PERYLENE	1200	PPB E	DRY	1.79
CHRYSENE	6300	PPB	DRY	4.50
FLUORANTHENE	9400	PPB	DRY	5.53
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	45000	PPB E	DRY	3.75
INDENO(1,2,3-CD)PYRENE	1600	PPB E	DRY	2.67
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	7100	PPB	DRY	1.37
MERCURY	1.3	PPM E	DRY	3.17
PHENANTHRENE	3300	PPB	DRY	2.20
PYRENE	10000	PPB	DRY	3.85
TOTAL BENZOFLUORANTHENES (B + K)	9100	PPB	DRY	2.84
ZINC	350	PPM E	DRY	1.35

Survey: EBCHEM Station: SS-11

Date: 09/27/85 Sample ID: SS-11

Highest of AMPT, BENA, MICB, and OYST.

DIMETHYL PHTHALATE	1400	PPB X	DRY	8.75
INDENO(1,2,3-CD)PYRENE	1300	PPB E	DRY	1.48

Lowest of AMPT, BENA, MICB, and OYST.

ANTHRACENE	1200	PPB	DRY	1.25
BENZO(A)ANTHRACENE	1500	PPB	DRY	1.15
BENZO(A)PYRENE	2800	PPB E	DRY	1.75
BENZO(G,H,I)PERYLENE	1000	PPB E	DRY	1.49
CHRYSENE	3200	PPB	DRY	2.29
DIMETHYL PHTHALATE	1400	PPB X	DRY	19.72
FLUORANTHENE	3300	PPB	DRY	1.94
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	24000	PPB E	DRY	2.00
INDENO(1,2,3-CD)PYRENE	1300	PPB E	DRY	2.17
MERCURY	1.3	PPM E	DRY	3.17
POLYCHLORINATED BIPHENYLS	260	PPB E	DRY	2.00
PHENANTHRENE	1900	PPB	DRY	1.27
PYRENE	5000	PPB	DRY	1.92
TOTAL BENZOFLUORANTHENES (B + K)	5900	PPB	DRY	1.84
ZINC	280	PPM E	DRY	1.08

Survey: EBCHEM Station: SS-12

Date: 09/27/85 Sample ID: SS-12

Lowest of AMPT, BENA, MICB, and OYST.

MERCURY	1.4	PPM E	DRY	3.41
POLYCHLORINATED BIPHENYLS	220	PPB E	DRY	1.69
PYRENE	2800	PPB	DRY	1.08

Survey: EBCHEM Station: WW-01

Date: 10/01/85 Sample ID: WW-01

Lowest of AMPT, BENA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS	160	PPB E	DRY	1.23
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Survey: EBCHEM Station: WW-02

Date: 10/09/85 Sample ID: WW-02

Highest of AMPT, BENA, MICB, and OYST.

BENZYL ALCOHOL 8800 PPB E DRY 120.55

Lowest of AMPT, BENA, MICB, and OYST.

BENZYL ALCOHOL	8800	PPB E	DRY	154.39
POLYCHLORINATED BIPHENYLS	510	PPB E	DRY	3.92
ZINC	270	PPM E	DRY	1.04

Survey: EBCHEM Station: WW-04

Date: 10/01/85 Sample ID: WW-04

Highest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	480	PPB E	DRY	1.30
ACENAPHTHENE	2000	PPB E	DRY	2.04
ANTHRACENE	2000	PPB E	DRY	1.05
BIPHENYL	310	PPB E	DRY	1.15
DIBENZOFURAN	1700	PPB E	DRY	3.15
FLUORANTHENE	30000	PPB E	DRY	3.06
FLUORENE	3600	PPB E	DRY	2.00
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	53000	PPB E	DRY	1.39
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	15000	PPB E	DRY	2.46
PHENANTHRENE	6900	PPB E	DRY	1.28

Lowest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	480	PPB E	DRY	1.55
DIBENZO(A,H)ANTHRACENE	470	PPB E	DRY	2.04
ACENAPHTHENE	2000	PPB E	DRY	4.00
ANTHRACENE	2000	PPB E	DRY	2.08
BENZO(A)ANTHRACENE	2400	PPB E	DRY	1.85
BIPHENYL	310	PPB E	DRY	1.19
CHRYSENE	4100	PPB E	DRY	2.93
DIBENZOFURAN	1700	PPB E	DRY	3.15
FLUORANTHENE	30000	PPB E	DRY	17.65
FLUORENE	3600	PPB E	DRY	6.67
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	53000	PPB E	DRY	4.42
INDENO(1,2,3-CD)PYRENE	880	PPB E	DRY	1.47
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	15000	PPB E	DRY	2.88
POLYCHLORINATED BIPHENYLS	500	PPB E	DRY	3.85
PHENANTHRENE	6900	PPB E	DRY	4.60
PYRENE	10000	PPB E	DRY	3.85

Survey: EBCHEM Station: WW-05

Date: 10/01/85 Sample ID: WW-05

Lowest of AMPT, BENA, MICB, and OYST.

POLYCHLORINATED BIPHENYLS 1200 PPB E DRY 9.23

Survey: EBCHEM Station: WW-06

Date: 10/01/85 Sample ID: WW-06 Field rep: 1

Lowest of AMPT, BENA, MICB, and OYST.

BUTYL BENZYL PHTHALATE	67	PPB E	DRY	1.06
MERCURY	0.53	PPM E	DRY	1.29
POLYCHLORINATED BIPHENYLS	610	PPB E	DRY	4.69
ZINC	300	PPM E	DRY	1.15

Date: 10/01/85 Sample ID: WW-06 Field rep: 2

Highest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	990	PPB E	DRY	2.68
DIMETHYL PHTHALATE	620	PPB E	DRY	3.88

Lowest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	990	PPB E	DRY	3.19
CHRYSENE	1700	PPB E	DRY	1.21
DIMETHYL PHTHALATE	620	PPB E	DRY	8.73
FLUORANTHENE	4300	PPB E	DRY	2.53
LEAD	420	PPM	DRY	1.40
MERCURY	0.45	PPM E	DRY	1.10
PHENANTHRENE	4200	PPB E	DRY	2.80
PYRENE	3300	PPB E	DRY	1.27
ZINC	390	PPM E	DRY	1.50

Survey: EBCHEM Station: WW-08

Date: 10/01/85 Sample ID: WW-08

Highest of AMPT, BENA, MICB, and OYST.

BENZYL ALCOHOL	140	PPB E	DRY	1.92
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Lowest of AMPT, BENA, MICB, and OYST.

BENZYL ALCOHOL	140	PPB E	DRY	2.46
BUTYL BENZYL PHTHALATE	160	PPB X	DRY	2.54
MERCURY	0.57	PPM E	DRY	1.39
POLYCHLORINATED BIPHENYLS	620	PPB E	DRY	4.77

Survey: EBCHEM Station: WW-09

Date: 10/02/85 Sample ID: WW-09

Highest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	440	PPB E	DRY	1.19
DIMETHYL PHTHALATE	440	PPB E	DRY	2.75
FLUORANTHENE	10000	PPB	DRY	1.02
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	40000	PPB E	DRY	1.05
INDENO(1,2,3-CD)PYRENE	1300	PPB E	DRY	1.48
LEAD	710	PPM M	DRY	1.01
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	8900	PPB E	DRY	1.46
P,P'-DDD	80	PPB E	DRY	1.86

Lowest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	440	PPB E	DRY	1.42
ACENAPHTHENE	790	PPB E	DRY	1.58
ANTHRACENE	1700	PPB	DRY	1.77
BENZO(A)ANTHRACENE	3100	PPB	DRY	2.38
BENZO(A)PYRENE	3700	PPB E	DRY	2.31
BENZO(G,H,I)PERYLENE	980	PPB E	DRY	1.46
CHRYSENE	6200	PPB	DRY	4.43
COPPER	340	PPM M	DRY	1.10
DIMETHYL PHTHALATE	440	PPB E	DRY	6.20
FLUORANTHENE	10000	PPB	DRY	5.88
FLUORENE	720	PPB E	DRY	1.33
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	40000	PPB E	DRY	3.33
INDENO(1,2,3-CD)PYRENE	1300	PPB E	DRY	2.17
LEAD	710	PPM M	DRY	2.37
POLYCYCLIC AROMATIC HYDROCARBON-LIGHT	8900	PPB E	DRY	1.71
MERCURY	0.8	PPM EM	DRY	1.95
POLYCHLORINATED BIPHENYLS	1500	PPB E	DRY	11.54
PHENANTHRENE	5300	PPB	DRY	3.53
P,P'-DDD	80	PPB E	DRY	40.00
PYRENE	8200	PPB	DRY	3.15
TOTAL BENZOFLUORANTHENES (B + K)	6500	PPB	DRY	2.03
ZINC	540	PPM EM	DRY	2.08

Survey: EBCHEM Station: WW-10

Date: 10/02/85 Sample ID: WW-10

Lowest of AMPT, BENA, MICB, and OYST.

CHRYSENE	2300	PPB	DRY	1.64
FLUORANTHENE	2500	PPB	DRY	1.47
LEAD	470	PPM M	DRY	1.57
MERCURY	0.81	PPM EM	DRY	1.98
POLYCHLORINATED BIPHENYLS	300	PPB E	DRY	2.31
ZINC	290	PPM EM	DRY	1.12

Survey: EBCHEM Station: WW-11

Date: 10/02/85 Sample ID: WW-11

Highest of AMPT, BENA, MICB, and OYST.

LEAD	720	PPM	DRY	1.03
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Lowest of AMPT, BENA, MICB, and OYST.

BENZO(A)ANTHRACENE	1900	PPB	DRY	1.46
CHRYSENE	4300	PPB	DRY	3.07
FLUORANTHENE	5000	PPB	DRY	2.94
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	22000	PPB E	DRY	1.83
LEAD	720	PPM	DRY	2.40
MERCURY	0.93	PPM E	DRY	2.27
POLYCHLORINATED BIPHENYLS	470	PPB E	DRY	3.62
PHENANTHRENE	1600	PPB	DRY	1.07
PYRENE	3400	PPB	DRY	1.31
TOTAL BENZOFLUORANTHENES (B + K)	4900	PPB	DRY	1.53
ZINC	470	PPM E	DRY	1.81

Survey: EBCHEM Station: WW-12

Date: 10/02/85 Sample ID: WW-12

Highest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	610	PPB E	DRY	1.65
CHRYSENE	7900	PPB	DRY	1.18
FLUORANTHENE	11000	PPB	DRY	1.12
LEAD	1200	PPM	DRY	1.71

Lowest of AMPT, BENA, MICB, and OYST.

1-METHYL PHENANTHRENE	610	PPB E	DRY	1.97
ANTHRACENE	1400	PPB E	DRY	1.46
ARSENIC	240	PPM	DRY	2.82
BENZO(A)ANTHRACENE	2900	PPB	DRY	2.23
BENZO(A)PYRENE	2000	PPB E	DRY	1.25
CHRYSENE	7900	PPB	DRY	5.64
COPPER	620	PPM	DRY	2.00
FLUORANTHENE	11000	PPB	DRY	6.47
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	36000	PPB E	DRY	3.00
LEAD	1200	PPM	DRY	4.00
MERCURY	0.62	PPM E	DRY	1.51
POLYCHLORINATED BIPHENYLS	410	PPB E	DRY	3.15
PHENANTHRENE	2800	PPB	DRY	1.87
PYRENE	7100	PPB	DRY	2.73
TOTAL BENZOFLUORANTHENES (B + K)	4700	PPB	DRY	1.47
ZINC	1200	PPM E	DRY	4.62

Survey: EBCHEM Station: WW-13

Date: 10/02/85 Sample ID: WW-13

Highest of AMPT, BENA, MICB, and OYST.

DIMETHYL PHTHALATE	1000	PPB	DRY	6.25
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Lowest of AMPT, BENA, MICB, and OYST.

CHRYSENE	2300	PPB	DRY	1.64
DIMETHYL PHTHALATE	1000	PPB	DRY	14.08
FLUORANTHENE	2700	PPB	DRY	1.59
MERCURY	0.59	PPM E	DRY	1.44
PHENANTHRENE	1600	PPB	DRY	1.07
PYRENE	2800	PPB	DRY	1.08

Survey: EBCHEM Station: WW-14

Date: 10/02/85 Sample ID: WW-14

Highest of AMPT, BENA, MICB, and OYST.

INDENO(1,2,3-CD)PYRENE	1100	PPB E	DRY	1.25
LEAD	8700	PPM	DRY	12.43

Lowest of AMPT, BENA, MICB, and OYST.

BENZO(A)ANTHRACENE	1800	PPB	DRY	1.38
BENZO(A)PYRENE	3500	PPB E	DRY	2.19
CHRYSENE	4700	PPB	DRY	3.36
FLUORANTHENE	4000	PPB	DRY	2.35
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	31000	PPB E	DRY	2.58
INDENO(1,2,3-CD)PYRENE	1100	PPB E	DRY	1.83
LEAD	8700	PPM	DRY	29.00
MERCURY	1.1	PPM E	DRY	2.68
POLYCHLORINATED BIPHENYLS	380	PPB E	DRY	2.92
PHENANTHRENE	1900	PPB	DRY	1.27
PYRENE	7600	PPB	DRY	2.92
TOTAL BENZOFLUORANTHENES (B + K)	7900	PPB	DRY	2.47
ZINC	430	PPM E	DRY	1.65

Survey: EBCHEM Station: WW-16

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Date: 10/02/85 Sample ID: WW-16

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Lowest of AMPT, BENA, MICB, and OYST.

ANTHRACENE	1000	PPB EM	DRY	1.04
CHRYSENE	1600	PPB M	DRY	1.14
FLUORANTHENE	1800	PPB M	DRY	1.06
MERCURY	0.97	PPM EM	DRY	2.37
POLYCHLORINATED BIPHENYLS	650	PPB EM	DRY	5.00
ZINC	270	PPM EM	DRY	1.04

Survey: EBCHEM Station: WW-17

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Date: 10/03/85 Sample ID: WW-17

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Highest of AMPT, BENA, MICB, and OYST.

INDENO(1,2,3-CD)PYRENE	1800	PPB E	DRY	2.05
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Lowest of AMPT, BENA, MICB, and OYST.

DIBENZO(A,H)ANTHRACENE	440	PPB X	DRY	1.91
BENZO(A)ANTHRACENE	1600	PPB	DRY	1.23
BENZO(G,H,I)PERYLENE	1200	PPB E	DRY	1.79
CHRYSENE	2300	PPB	DRY	1.64
DIMETHYL PHTHALATE	99	PPB E	DRY	1.39
FLUORANTHENE	2700	PPB E	DRY	1.59
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	19000	PPB E	DRY	1.58
INDENO(1,2,3-CD)PYRENE	1800	PPB E	DRY	3.00
MERCURY	0.72	PPM E	DRY	1.76
POLYCHLORINATED BIPHENYLS	360	PPB E	DRY	2.77
PHENANTHRENE	1700	PPB	DRY	1.13
PYRENE	3100	PPB	DRY	1.19
TOTAL BENZOFLUORANTHENES (B + K)	4000	PPB	DRY	1.25
ZINC	300	PPM E	DRY	1.15

Survey: EBCHEM Station: WW-18

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Date: 10/03/85 Sample ID: WW-18

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Highest of AMPT, BENA, MICB, and OYST.

INDENO(1,2,3-CD)PYRENE	1000	PPB E	DRY	1.14
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Lowest of AMPT, BENA, MICB, and OYST.

DIBENZO(A,H)ANTHRACENE	310	PPB X	DRY	1.35
FLUORANTHENE	1800	PPB E	DRY	1.06
INDENO(1,2,3-CD)PYRENE	1000	PPB E	DRY	1.67
LEAD	340	PPM	DRY	1.13
MERCURY	1.6	PPM E	DRY	3.90
POLYCHLORINATED BIPHENYLS	270	PPB E	DRY	2.08
P,P'-DDD	11	PPB	DRY	5.50
ZINC	370	PPM E	DRY	1.42

Survey: EBCHEM Station: WW-19

Date: 10/03/85 Sample ID: WW-19

Highest of AMPT, BENA, MICB, and OYST.

4-METHYL PHENOL	2600	PPB	DRY	2.17
COPPER	1300	PPM	DRY	1.63

Lowest of AMPT, BENA, MICB, and OYST.

4-METHYL PHENOL	2600	PPB	DRY	3.88
CHRYSENE	2600	PPB	DRY	1.86
COPPER	1300	PPM	DRY	4.19
FLUORANTHENE	2400	PPB	DRY	1.41
POLYCYCLIC AROMATIC HYDROCARBON-HEAVY	13000	PPB E	DRY	1.08
MERCURY	0.74	PPM E	DRY	1.80
POLYCHLORINATED BIPHENYLS	320	PPB E	DRY	2.46
ZINC	710	PPM E	DRY	2.73

Survey: EBCHEM Station: WW-20

Date: 10/03/85 Sample ID: WW-20

Lowest of AMPT, BENA, MICB, and OYST.

INDENO(1,2,3-CD)PYRENE	660	PPB E	DRY	1.10
MERCURY	0.78	PPM E	DRY	1.90
POLYCHLORINATED BIPHENYLS	160	PPB E	DRY	1.23

**APPENDIX G**  
**RANKING OF TIER II PROBLEM AREAS**

## **APPENDIX G. RANKING OF TIER II PROBLEM AREAS**

KG-05	x			P	s	s	3	2	0	4	4	4	0.63	0.75	
KG-06	x	x		P	s	s	2	3	0	4	4	4	0.63	0.75	
KG-08			P	s	s	s	0	2	0	2	4	4	0.25	0.63	
KG-09	x	x	s	P	s	s	2	3	2	0	4	4	0.63	0.63	
KG-10	x	x		n	n	n	2	3	0	n	n	n	0.63	0.00	
KG-11	x		s	s	s	s	2	2	2	1	4	4	0.50	0.69	
KGII													0.54	0.57	
KG-03				P	s	s	2	2	0	1	4	4	0.50	0.56	
NH-01				P	s	s	2	3	0	1	4	4	0.63	0.56	
NH-02				P	s	s	2	3	4	1	4	4	0.63	0.81	
NH-03	x	x	P	P	s	s	4	3	4	4	4	4	0.88	1.00	
WW-20				P	s	s	2	2	0	3	4	4	0.50	0.69	
NH-04	x	x	P	P	s	s	4	3	4	4	0	4	0.88	0.75	
WW-19	x	x		P	s	s	4	3	0	2	4	4	0.88	0.63	
NHI													0.73	0.74	
NH-05	x	x	P	P		s	2	3	4	2	0	4	0.63	0.63	
NH-06	x	x	P			s	2	4	4	0	0	4	0.75	0.50	
NH-08	x	x	P	P		s	2	4	4	2	0	4	0.75	0.63	
NHII													0.71	0.58	
NH-10	x				n	n	n	1	2	0	n	n	n	0.38	0.00
NS-01	x	x	P	n	n	n	3	2	4	n	n	n	0.63	1.00	
NSI															
NS-04	x	x		n	n	n	0	2	0	n	n	n	0.25	0.00	
NS-06	x	x		P	s	s	0	2	0	2	1	1	0.25	0.25	
NS-07	x	x			s	s	2	3	0	0	1	1	0.63	0.13	
NS-08	x	x	P	P	s	s	0	3	4	2	1	1	0.38	0.50	
NSII													0.38	0.22	
SS-03	x	x			s	s	4	3	4	0	1	1	0.88	0.38	
SS-04	x	x		P	s	s	2	3	0	1	1	1	0.63	0.19	
SS-05	x	x			s	s	3	3	0	0	1	1	0.75	0.13	
SS-06	x	x	P		s	s	3	3	4	0	1	1	0.75	0.38	
SS-07	x	x			s	s	3	3	0	0	1	1	0.75	0.13	
SS-08	x	x		S	s	s	2	4	4	1	1	1	0.75	0.44	
SS-09	x	x		P	s	s	4	4	0	2	1	1	1.00	0.25	

G-3

SS-10	x	x		s	s	2	3	0	0	1	1	0.63	0.13	
SS-11	x	x		s	s	2	3	0	0	1	1	0.63	0.13	
SS-12	x			s	s	3	2	0	0	1	1	0.63	0.13	
SS-												0.74	0.23	
WW-01			P	s	s	2	2	0	1	4	4	0.50	0.56	
WW-02	x	x	P	n	n	2	3	4	n	n	n	0.63	1.00	
WW-03				P	s	s	1	2	0	4	4	0.38	0.75	
WW-05				P	s	s	1	3	0	1	4	4	0.50	0.56
WW-04	x	x		s	s	2	3	0	0	4	4	0.63	0.50	
WW-06	x	x	P	s	s	2	3	0	1	4	4	0.63	0.56	
WW-08	x	x	P	s	s	2	3	4	2	4	4	0.63	0.88	
WWI												0.55	0.69	
WW-11	x	x	P	s	s	3	3	4	1	4	4	0.75	0.81	
WW-09	x	x	P	s	s	3	3	4	1	4	4	0.75	0.81	
WW-12	x	x	P	s	s	4	3	0	2	4	4	0.88	0.63	
WW-10	x		P	s	s	3	3	0	2	4	4	0.75	0.63	
WW-13	x	x		s	s	2	3	0	0	4	4	0.63	0.50	
WW-14	x	x	S	s	s	4	3	0	1	4	4	0.88	0.56	
WW-18	x		P	s	s	2	3	0	1	4	4	0.63	0.56	
WW-16			P	s	s	2	3	0	2	4	4	0.63	0.63	
WW-15	x		n	n	n	2	2	0	n	n	n	0.50	0.00	
WW-17	x		S	s	s	2	3	0	1	4	4	0.63	0.56	
WWII												0.62	0.44	

#### NOTES:

x = Exceedance of 90th percentile or a high apparent effects threshold (HAET) for any one chemical.

s = Statistically significant ( $P<0.001$ ) biological effect relative to reference area.

P = Statistically significant ( $P<0.001$ ) biological effect that was above action level for definition of a problem area based on a single indicator.

n = No data.

Numbers in table are rank scores derived from criteria explained in text.