APPENDIX F: CHEMICAL AND PHYSICAL DATA

River Sediment Data Graphs

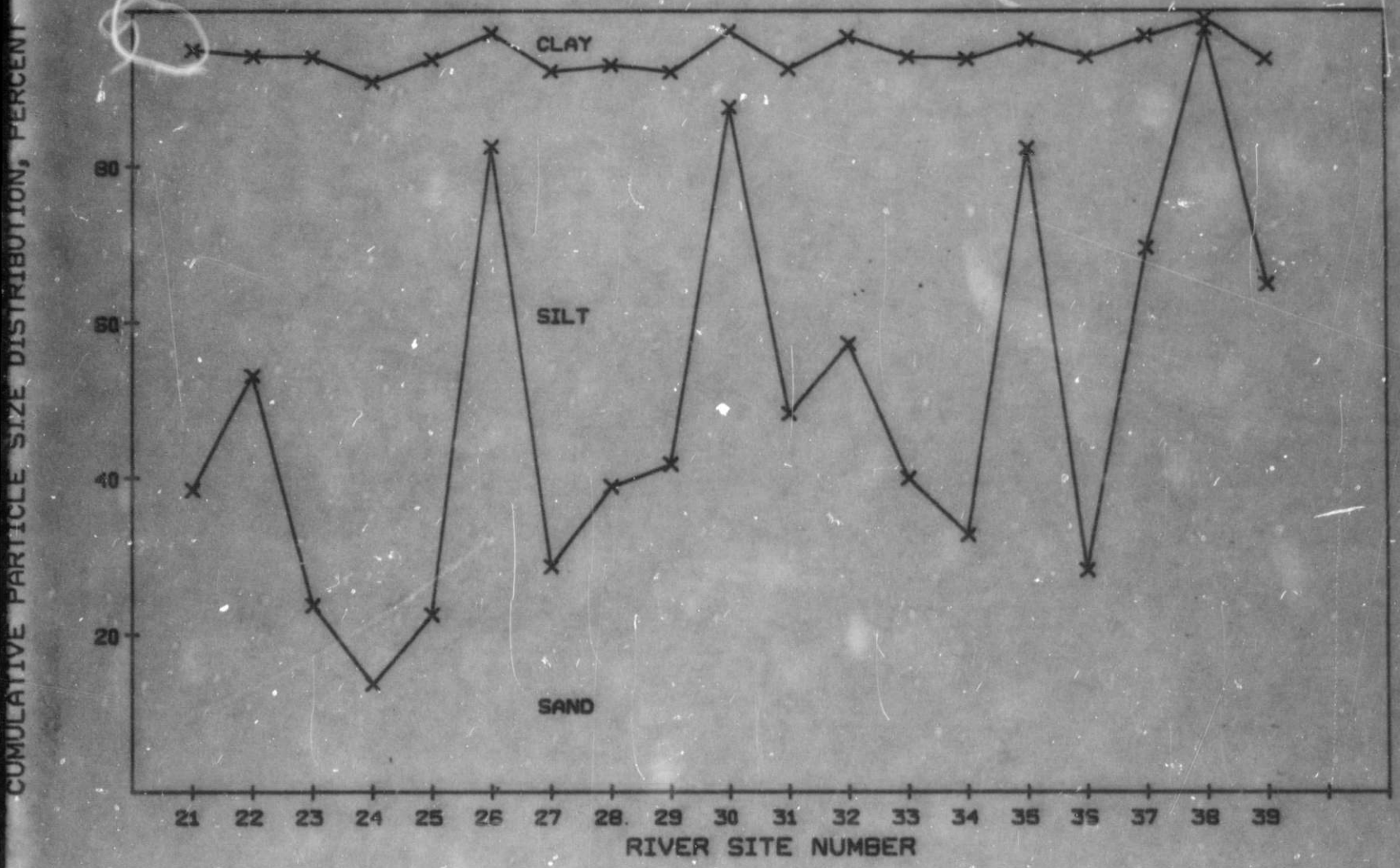

FIGURE F1. CUMULATIVE PARTICLE SIZE DISTRIBUTION IN RIVER BEFORE DUMPING OPERATION.

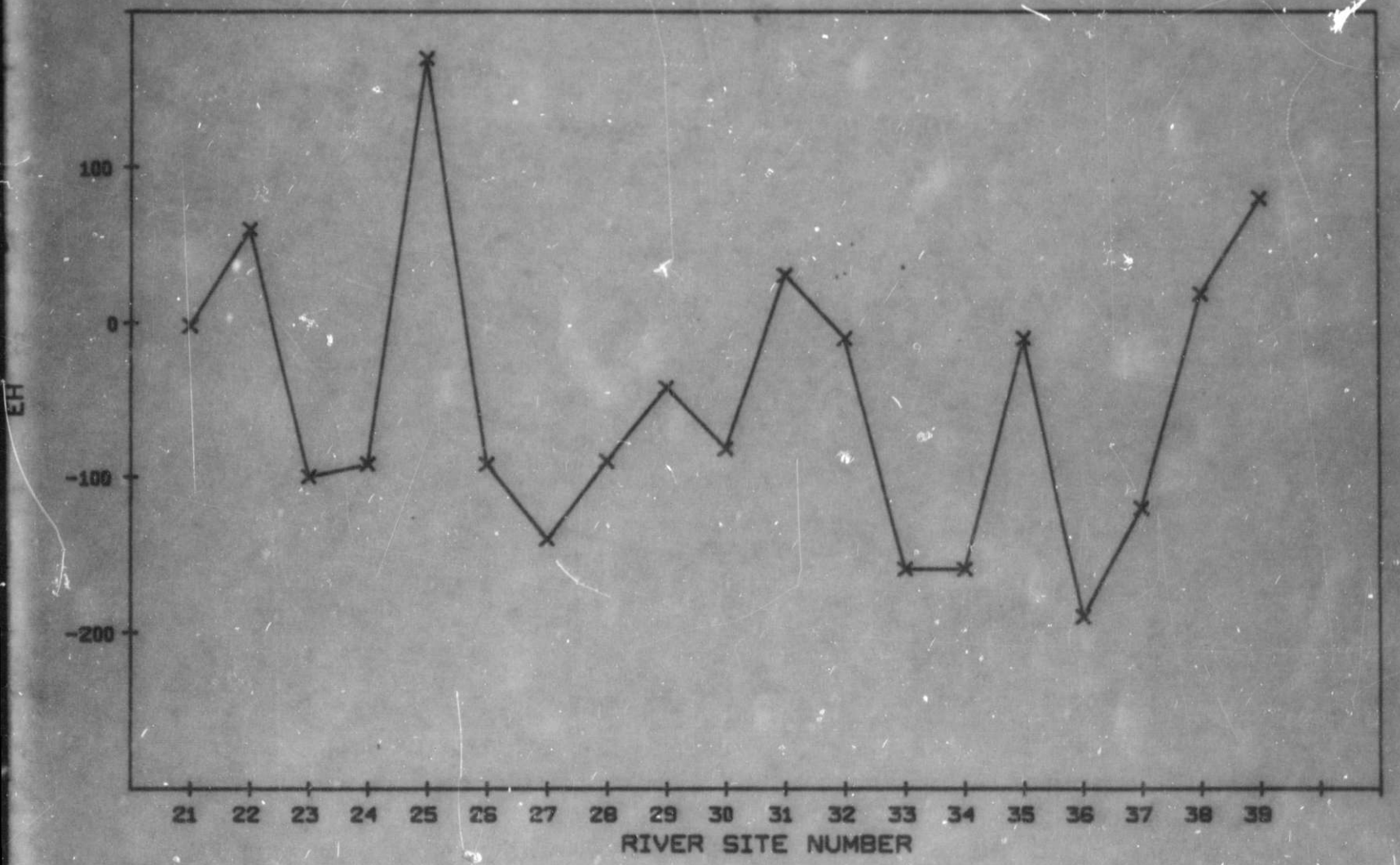

FIGURE F 2. EH IN RIVER BEFORE DUMPING OPERATION.

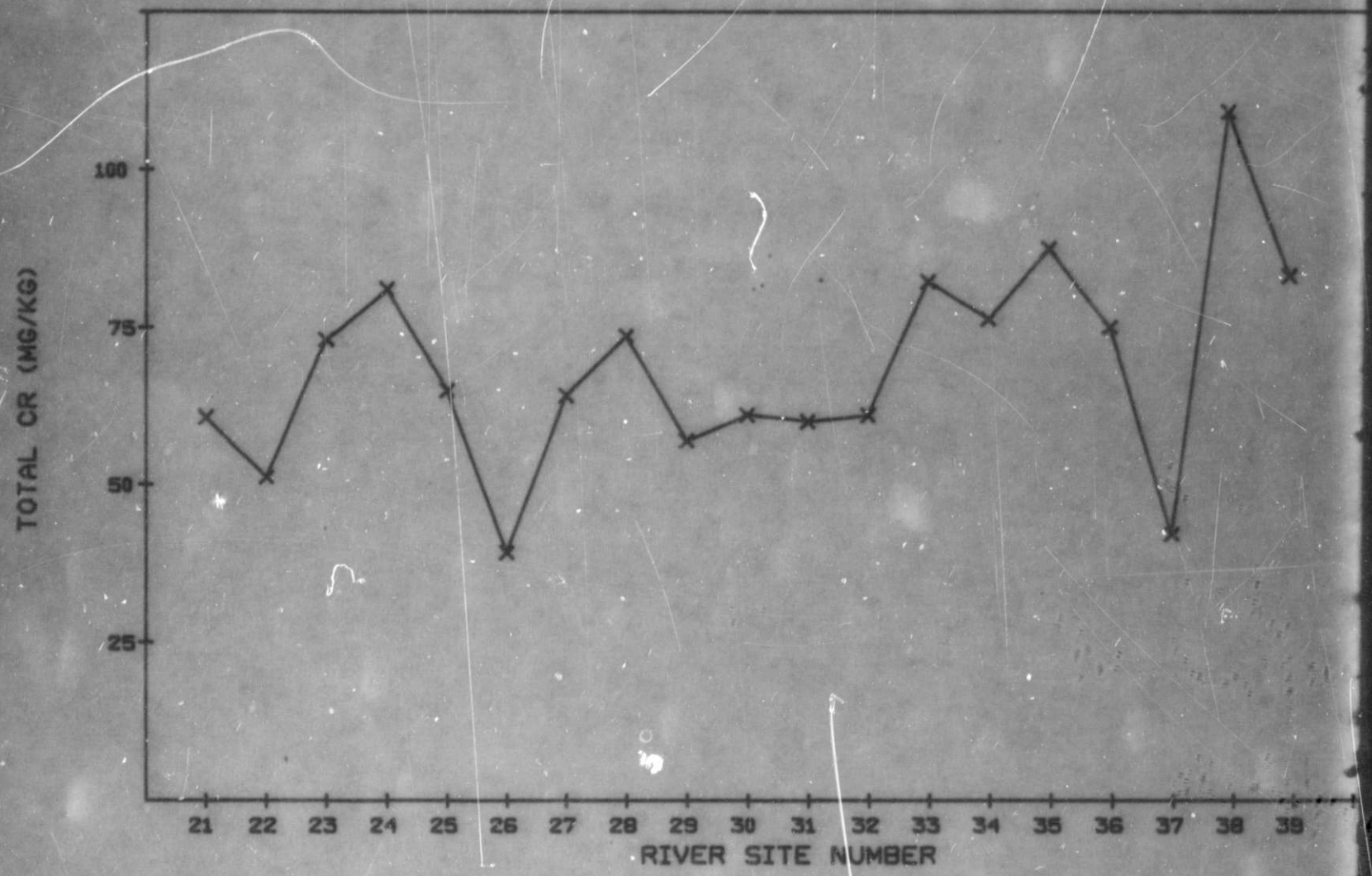

FIGURE F 3. TOTAL CR IN RIVER BEFORE DUMPING OPERATION.

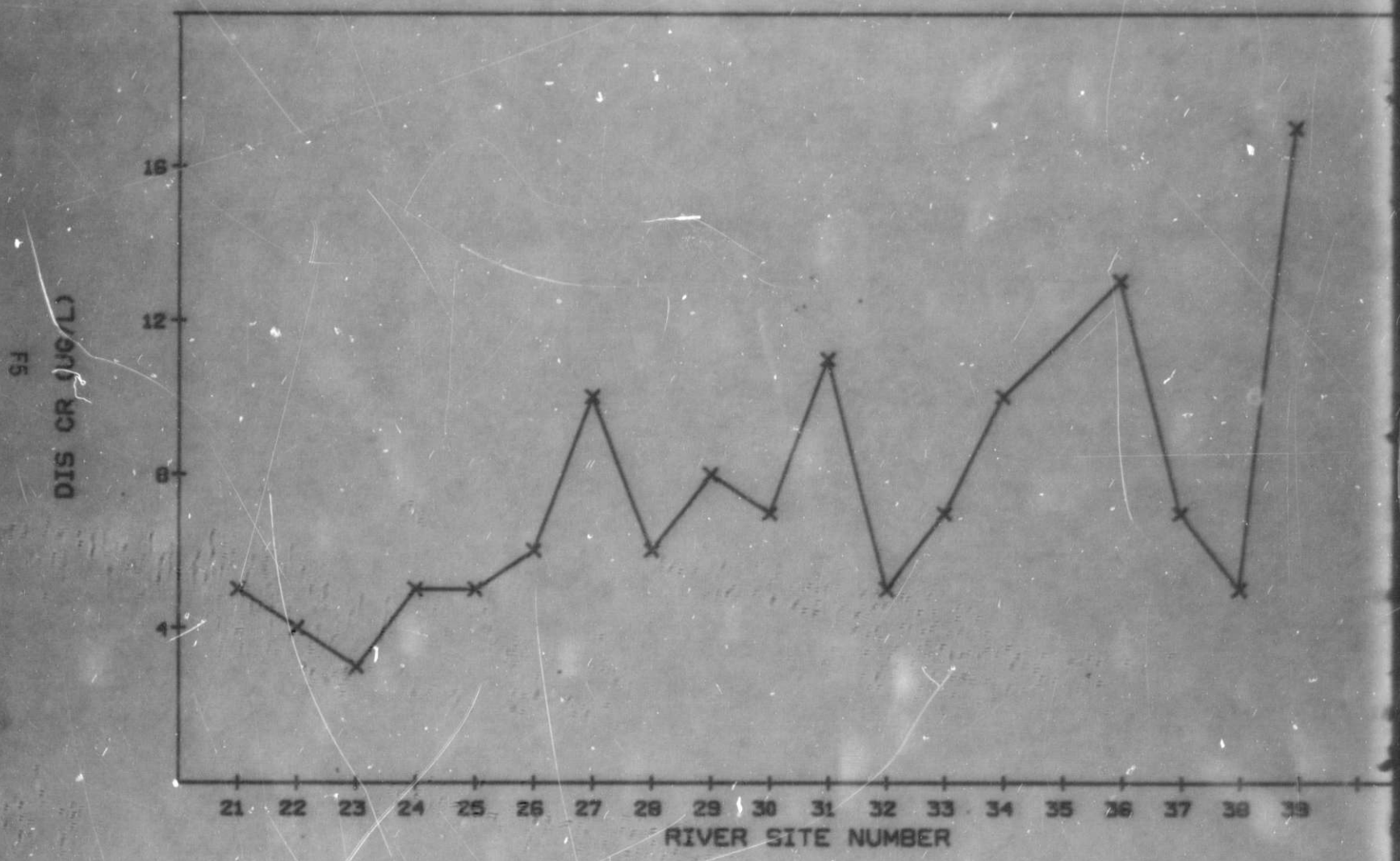

FIGURE F 4. INTERSTITIAL CR IN RIVER BEFORE DUMPING OPERATION

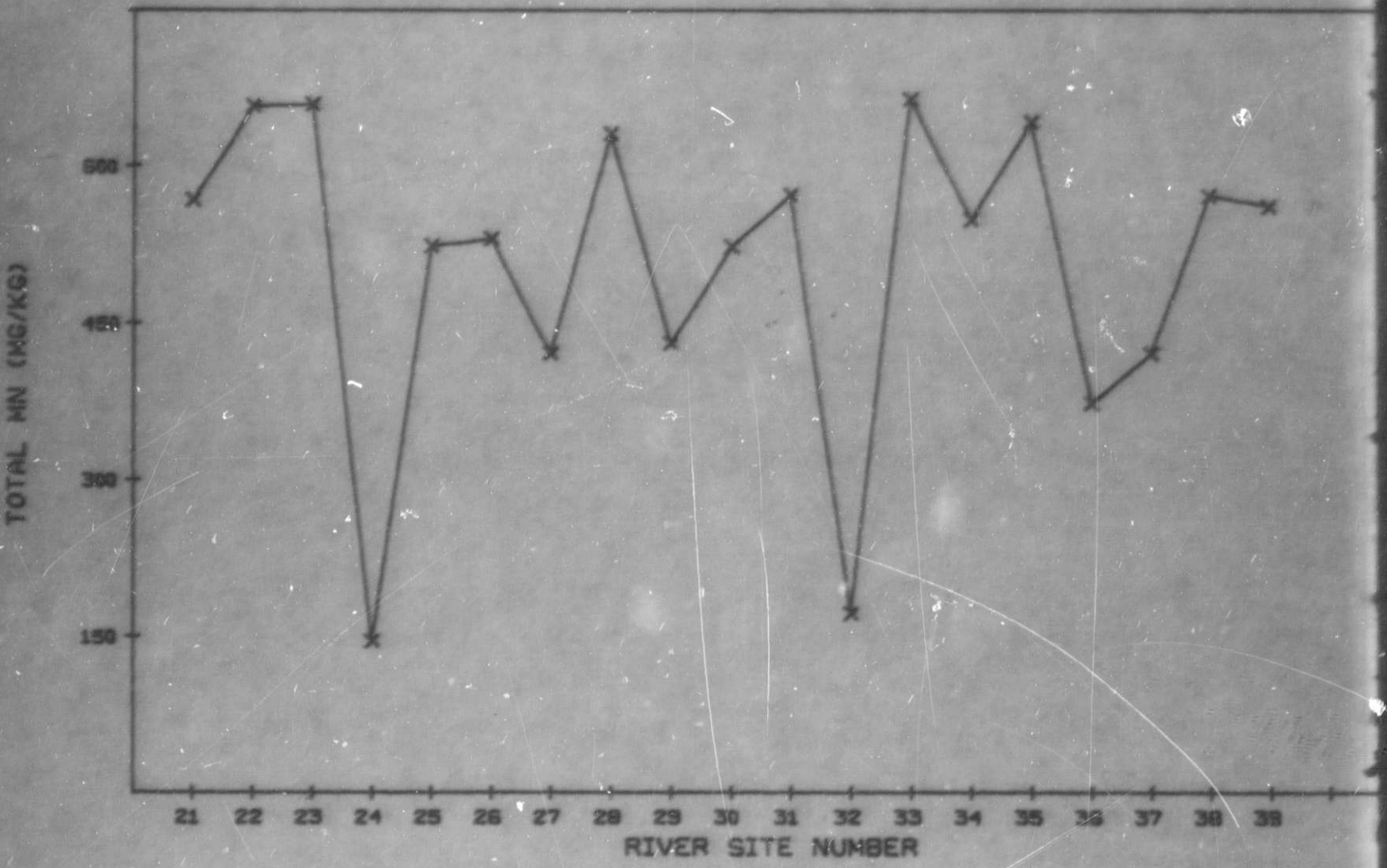

FIGURE F 5. TOTAL MN IN RIVER BEFORE DUMPING OPERATION.

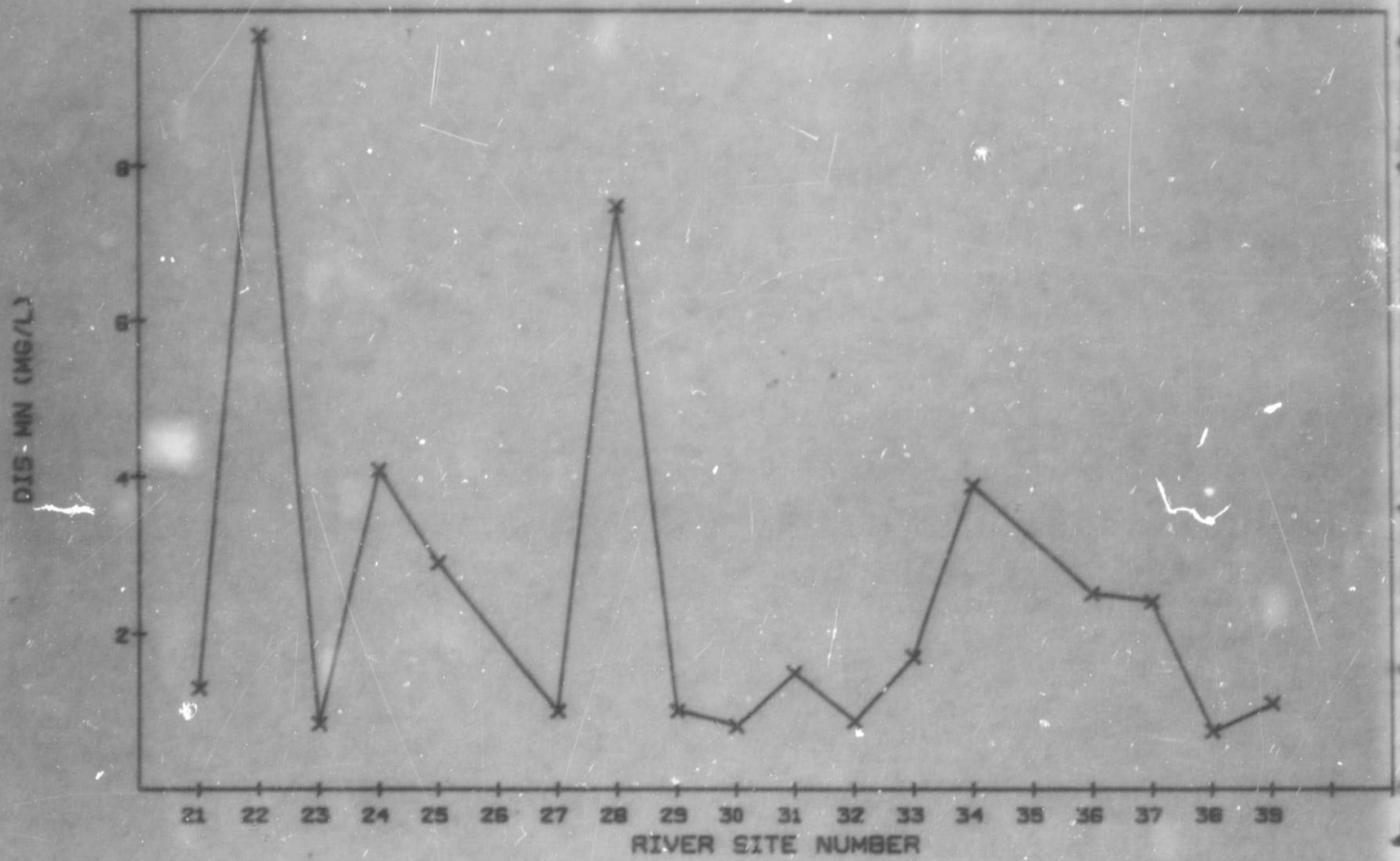

FIGURE F 6. INTERSTITIAL MN IN RIVER BEFORE DUMPING OPERATION

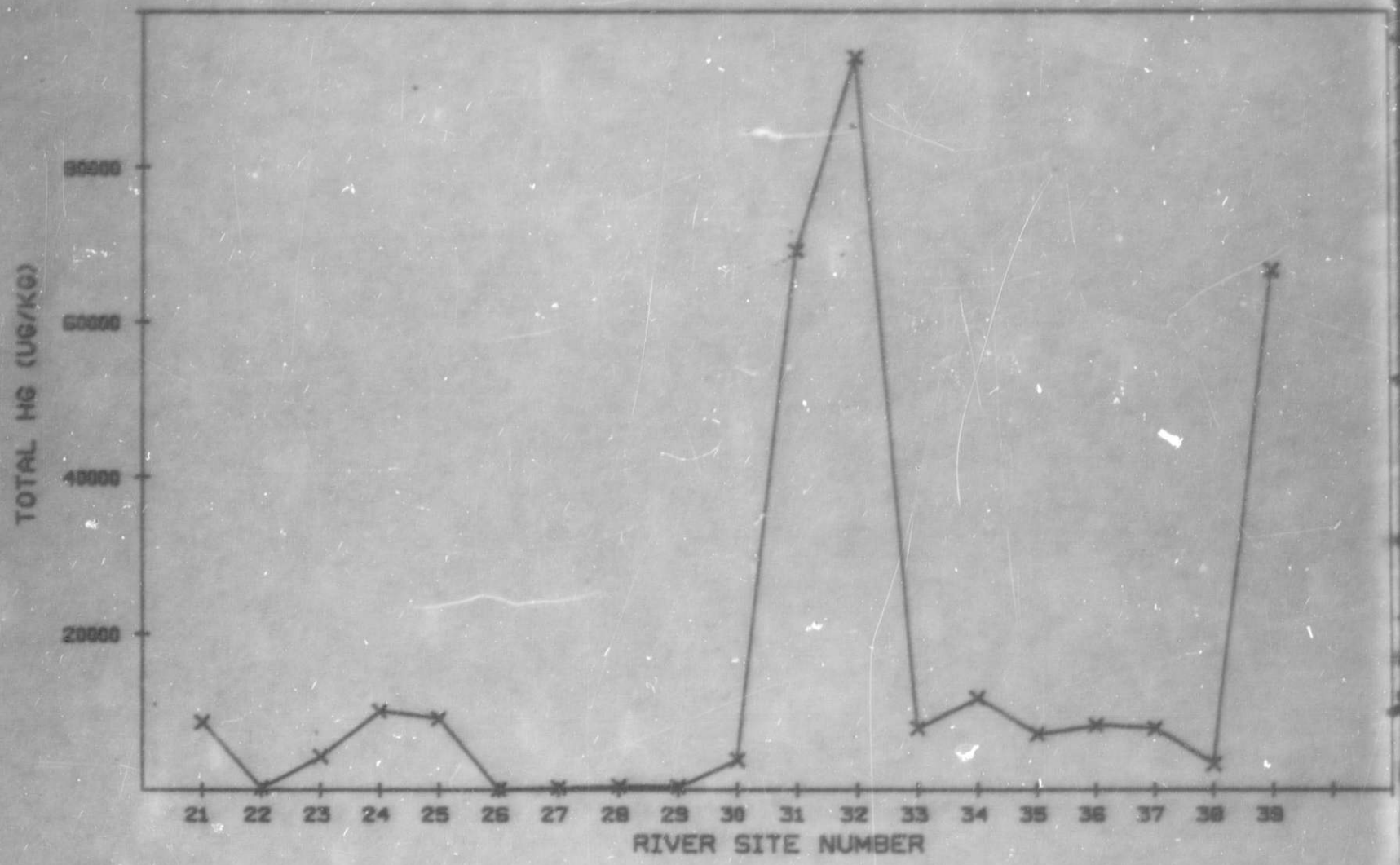

FIGURE F 7. TOTAL HG IN RIVER BEFORE DUMPING OPERATION.

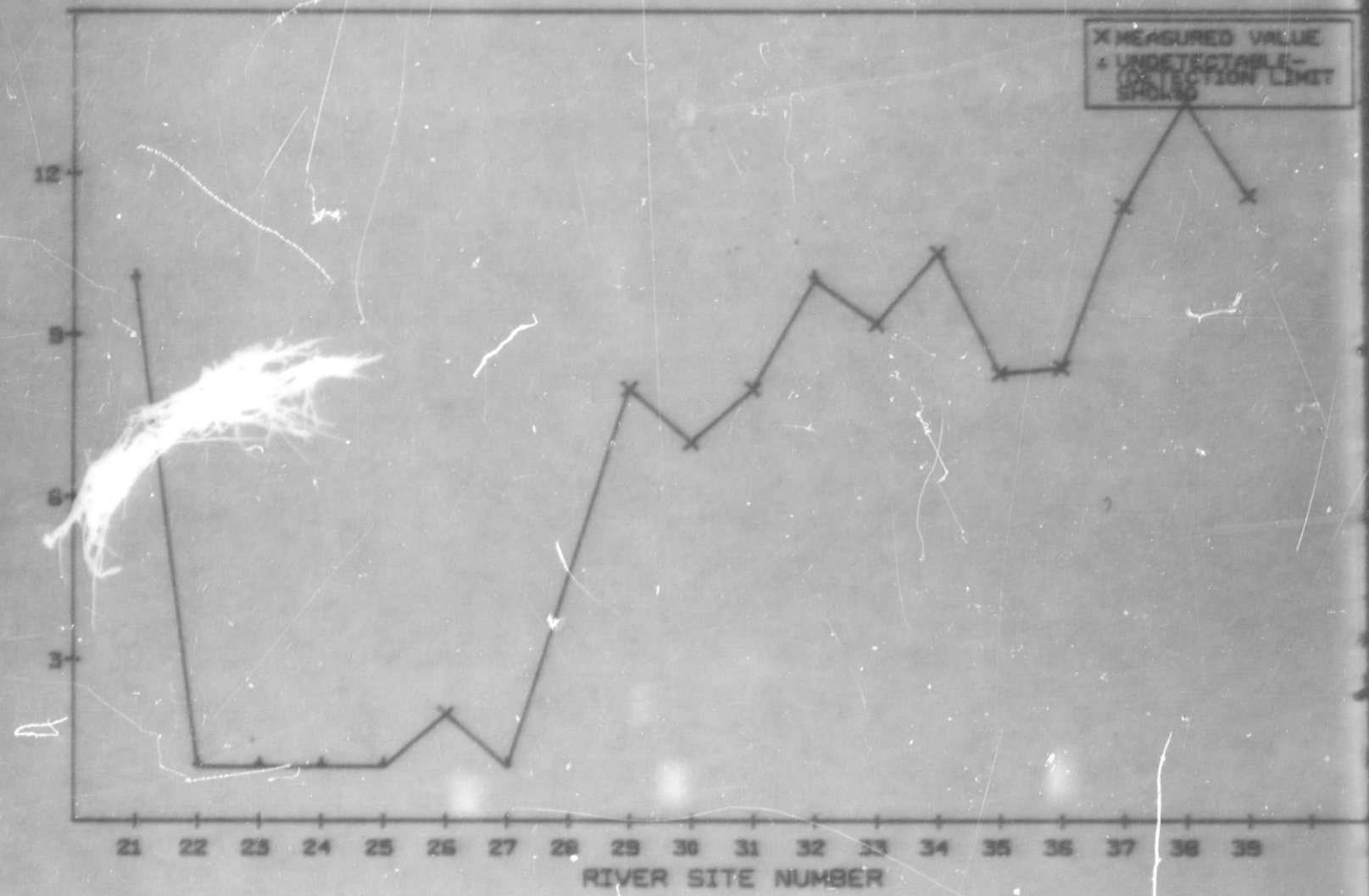

FIGURE F 8. INTERSTITIAL HG IN RIVER BEFORE DUMPING OPERATION

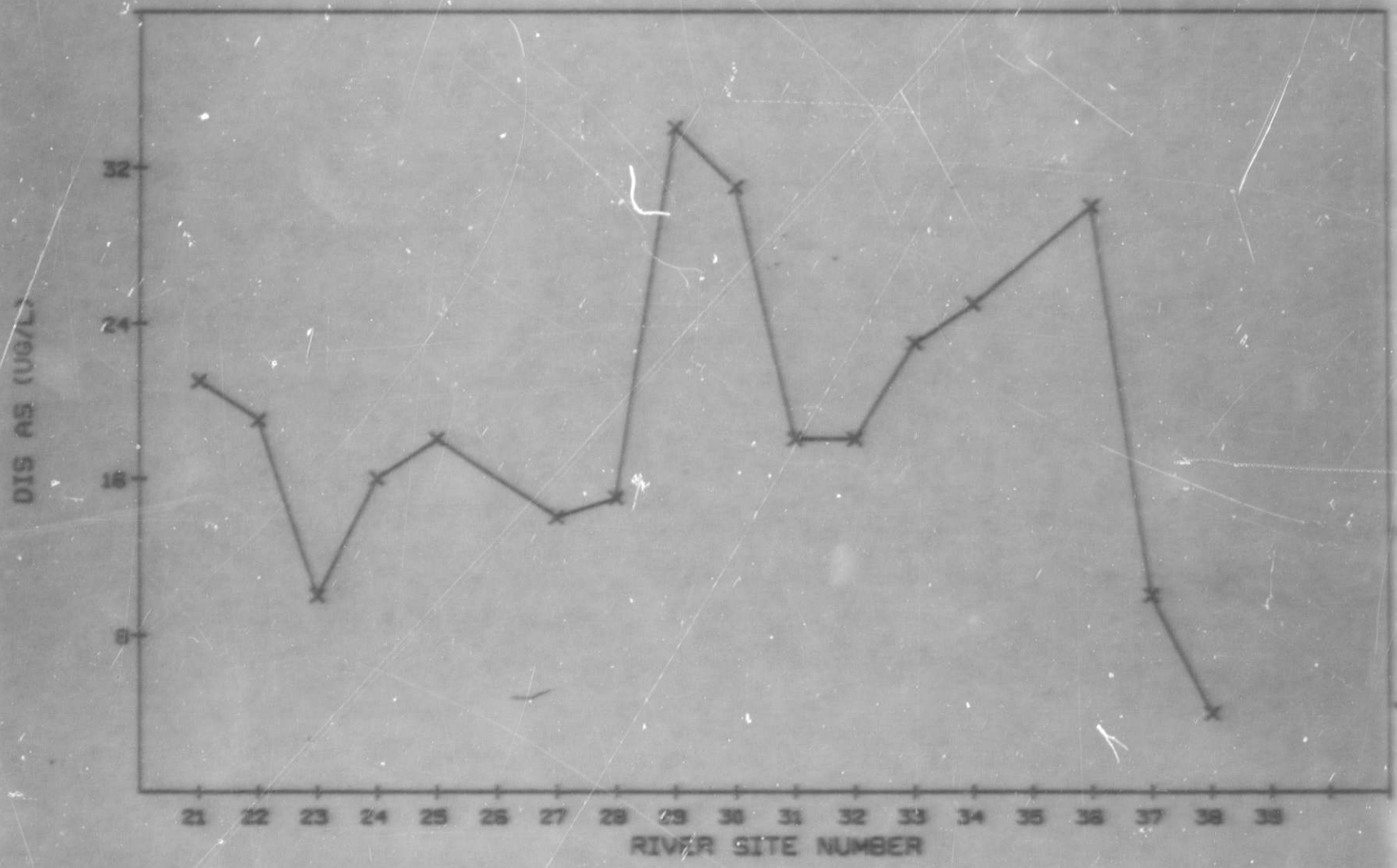

FIGURE F 9. INTERSTITIAL AS IN RIVER BEFORE DUMPING OPERATION

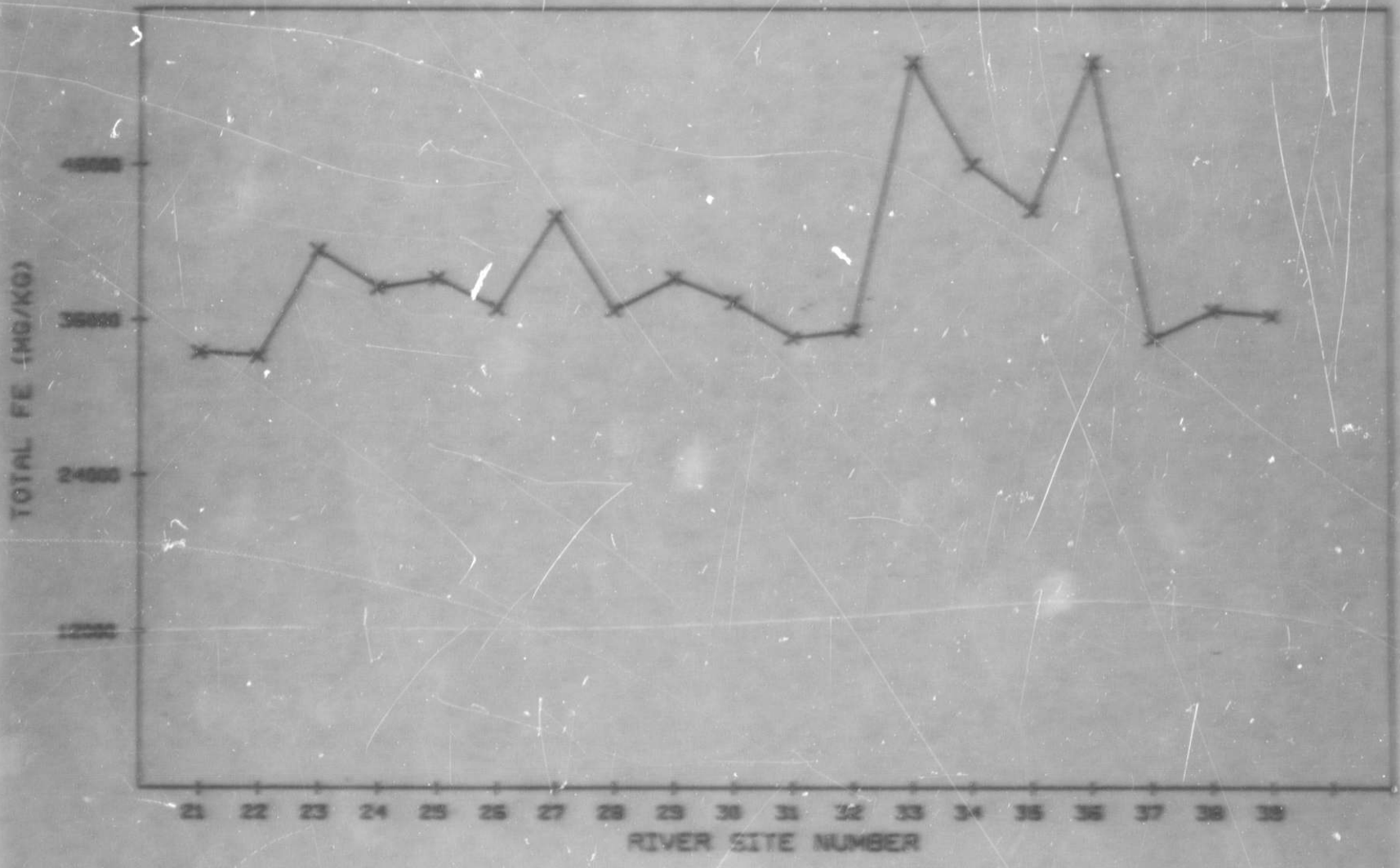

FIGURE F10. TOTAL FE IN RIVER BEFORE DUMPING OPERATION.

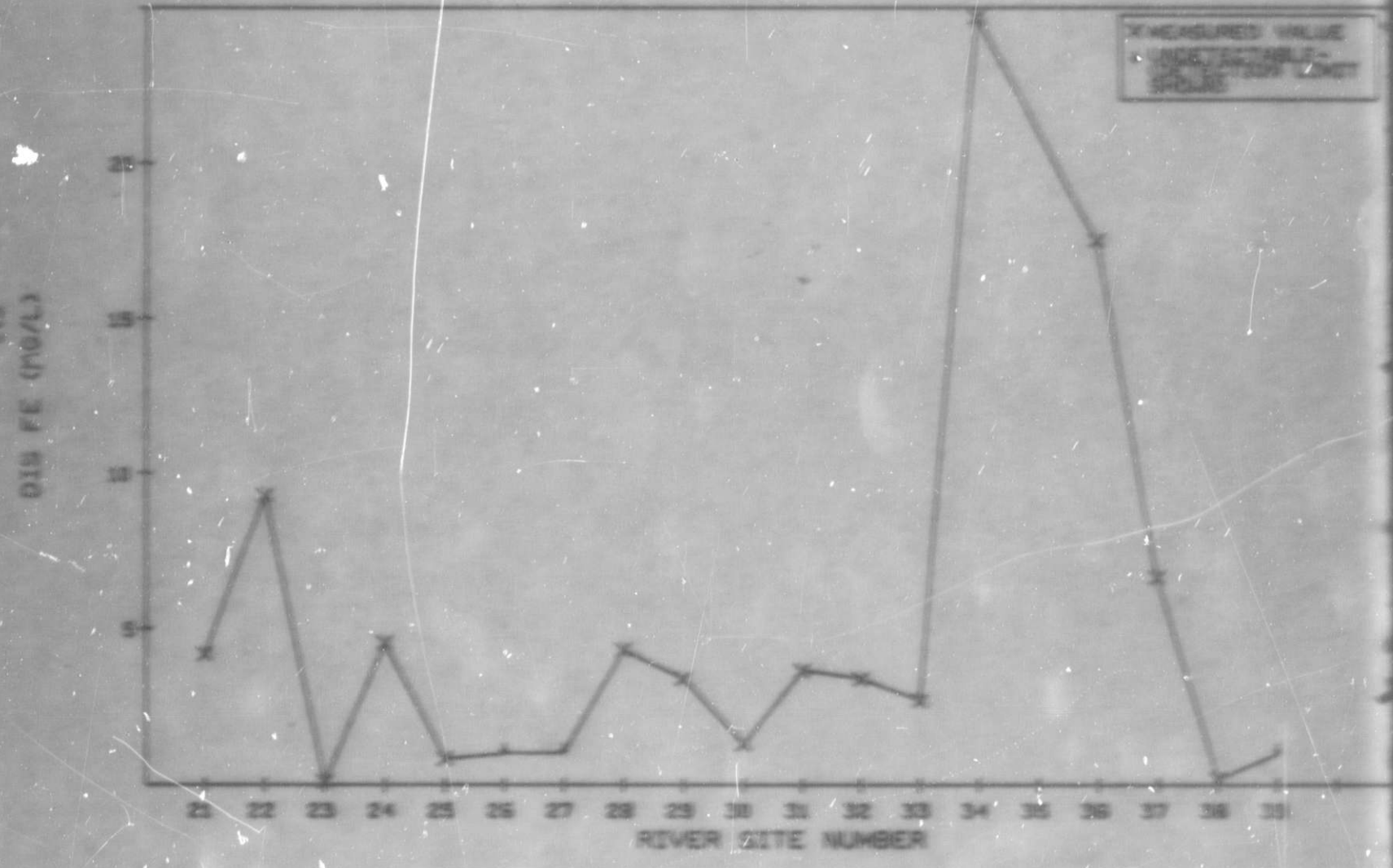

FIGURE F11. INTERSTITIAL FE IN RIVER BEFORE DUMPING OPERATION

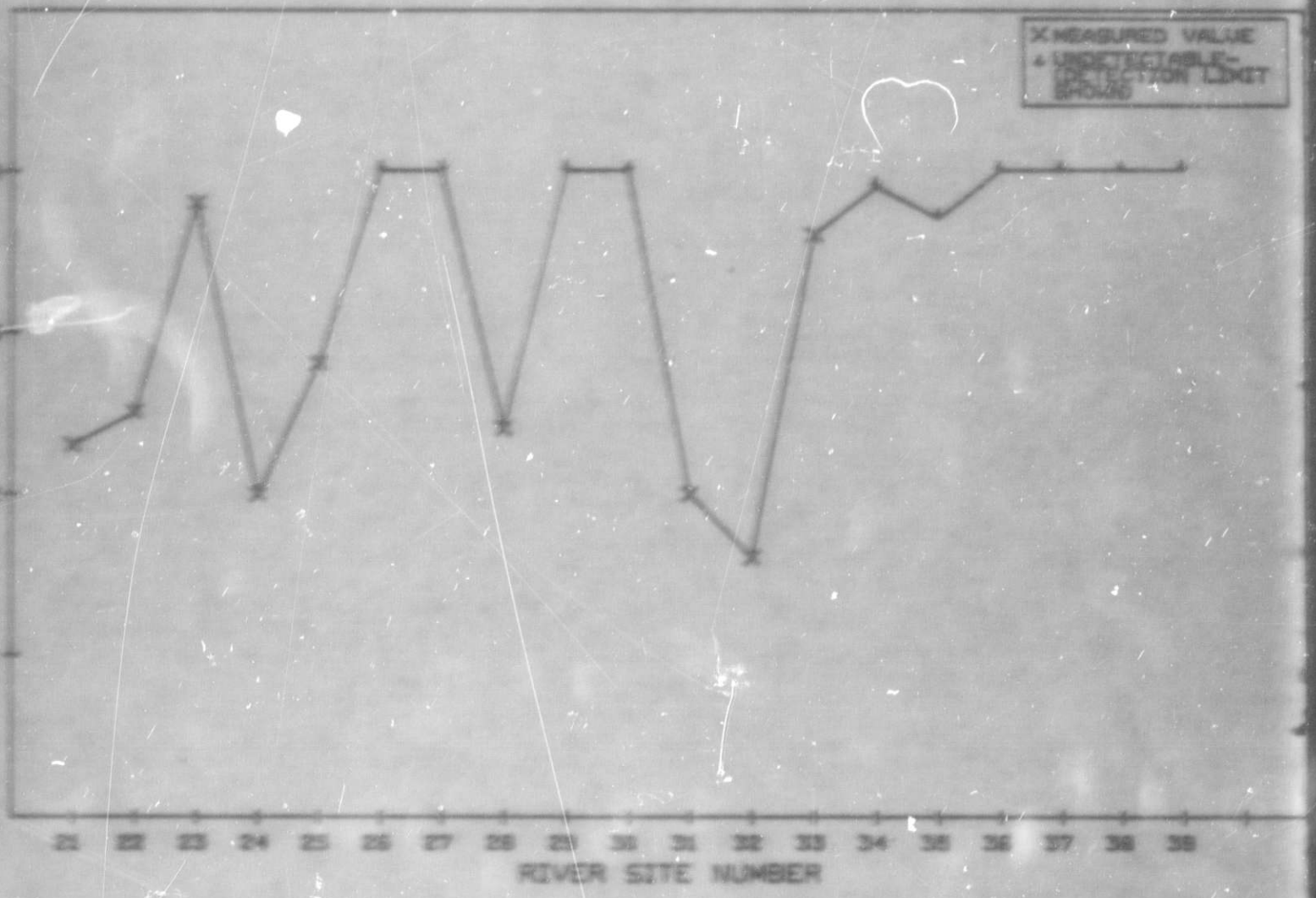

FIGURE F12. TOTAL CD IN RIVER BEFORE DUMPING OPERATION.

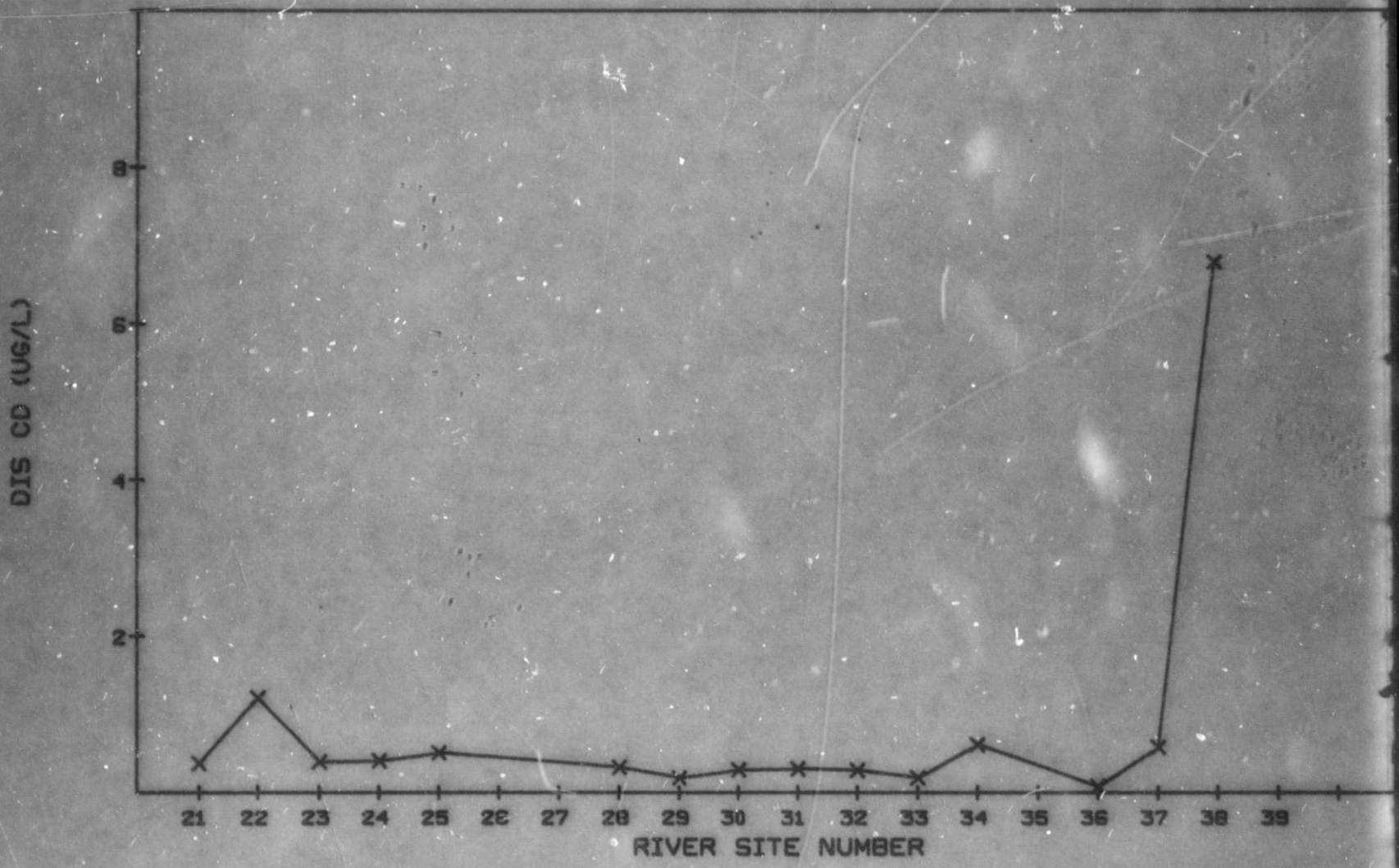

FIGURE F13. INTERSTITIAL CD IN RIVER BEFORE DUMPING OPERATION

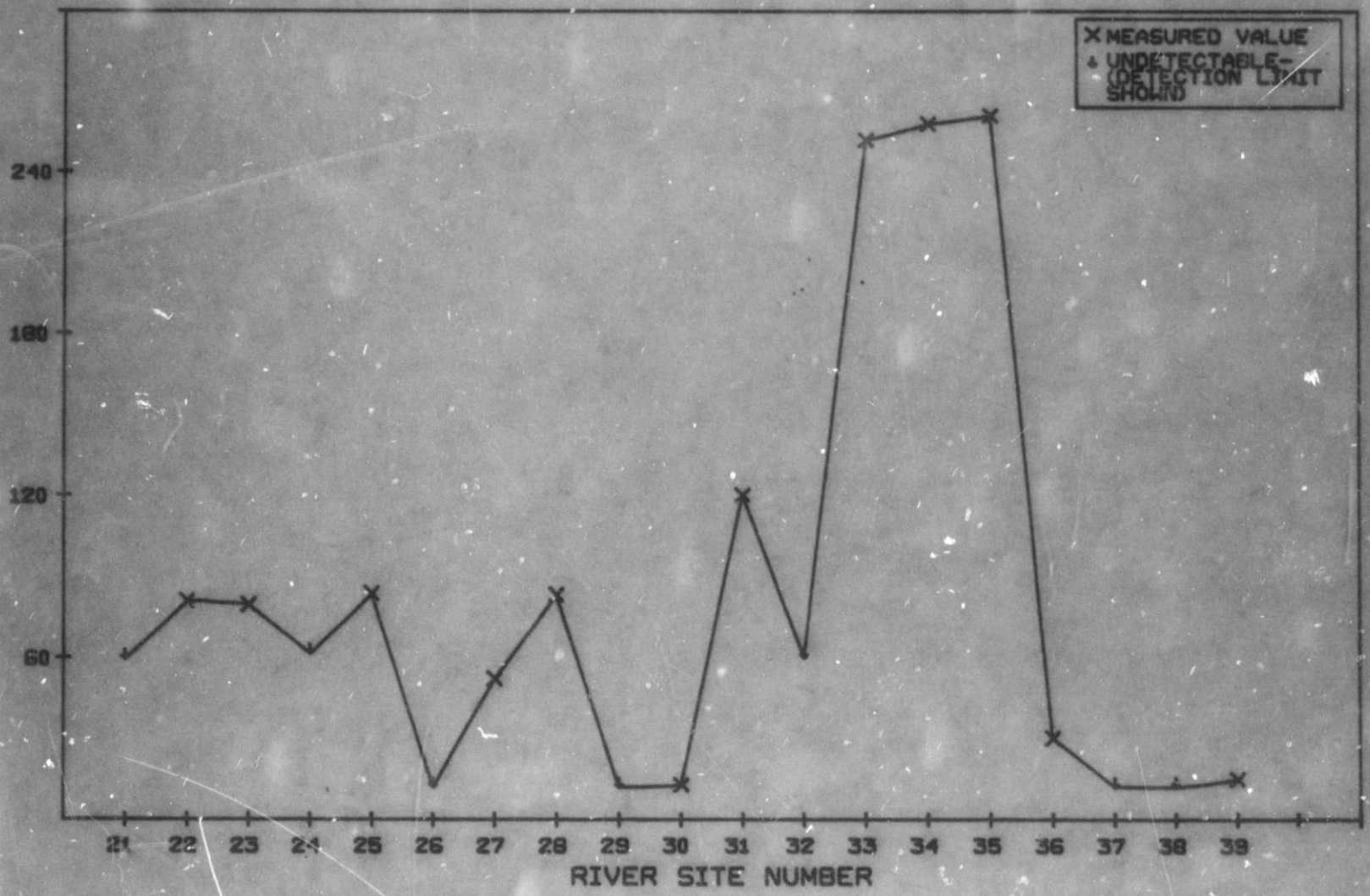

FIGURE F14. TOTAL PB IN RIVER BEFORE DUMPING OPERATION.

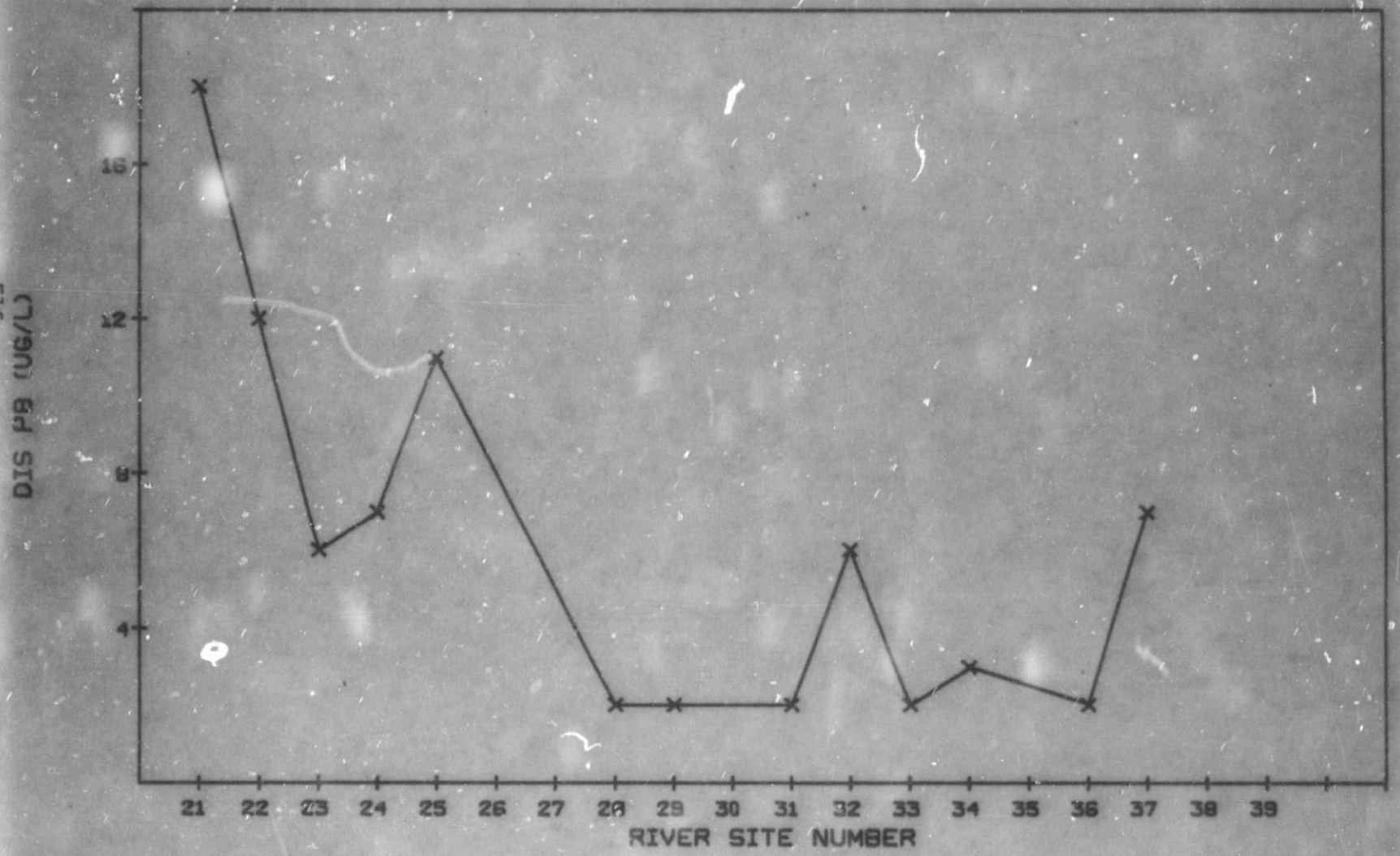

FIGURE F15. INTERSTITIAL PB IN RIVER BEFORE DUMPING OPERATION

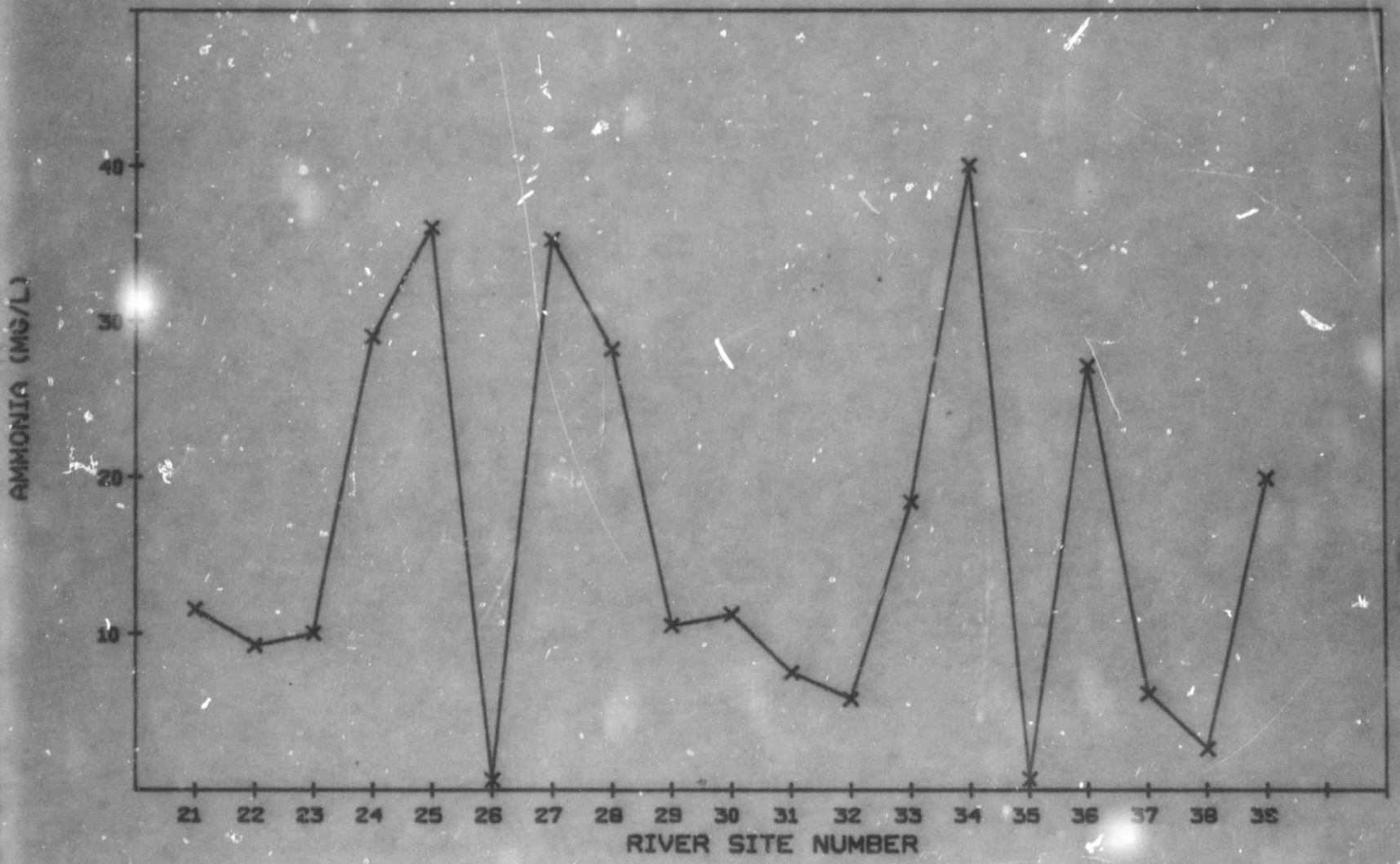

FIGURE E16. AMMONIA IN RIVER BEFORE DUMPING OPERATION.

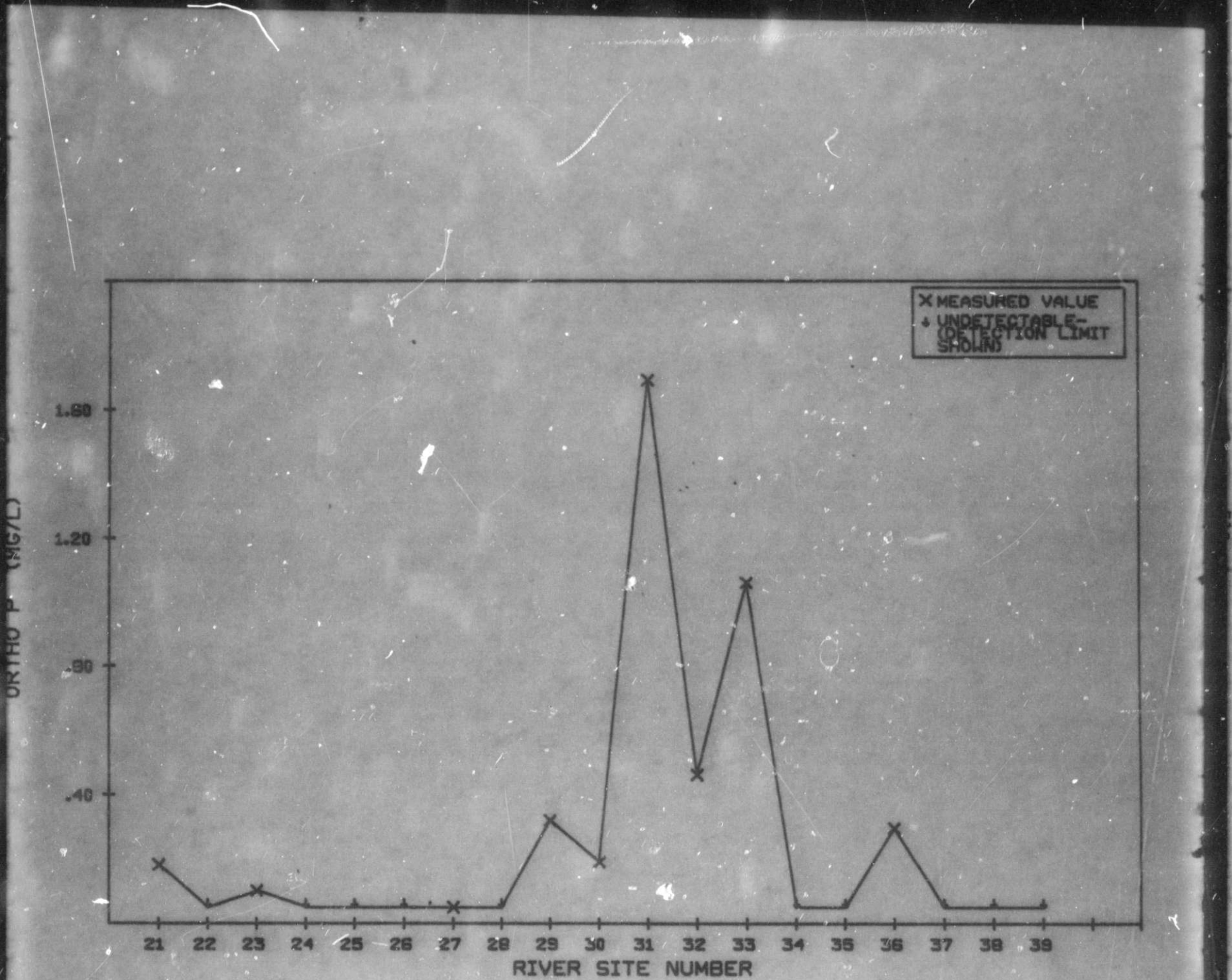

FIGURE F17. ORTHO P IN RIVER BEFORE DUMPING OPERATION.

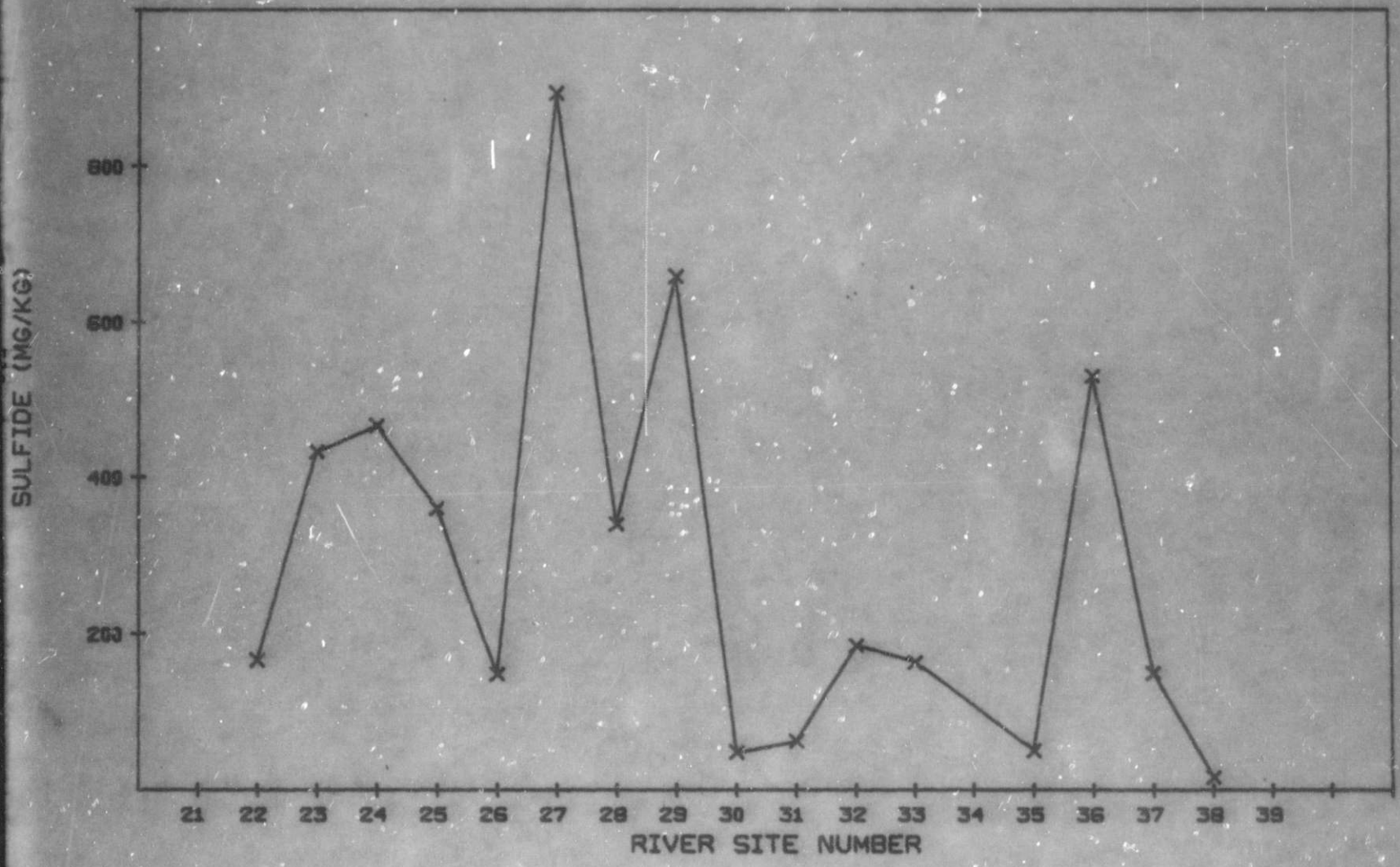

FIGURE F18. SULFIDE IN RIVER BEFORE DUMPING OPERATION.

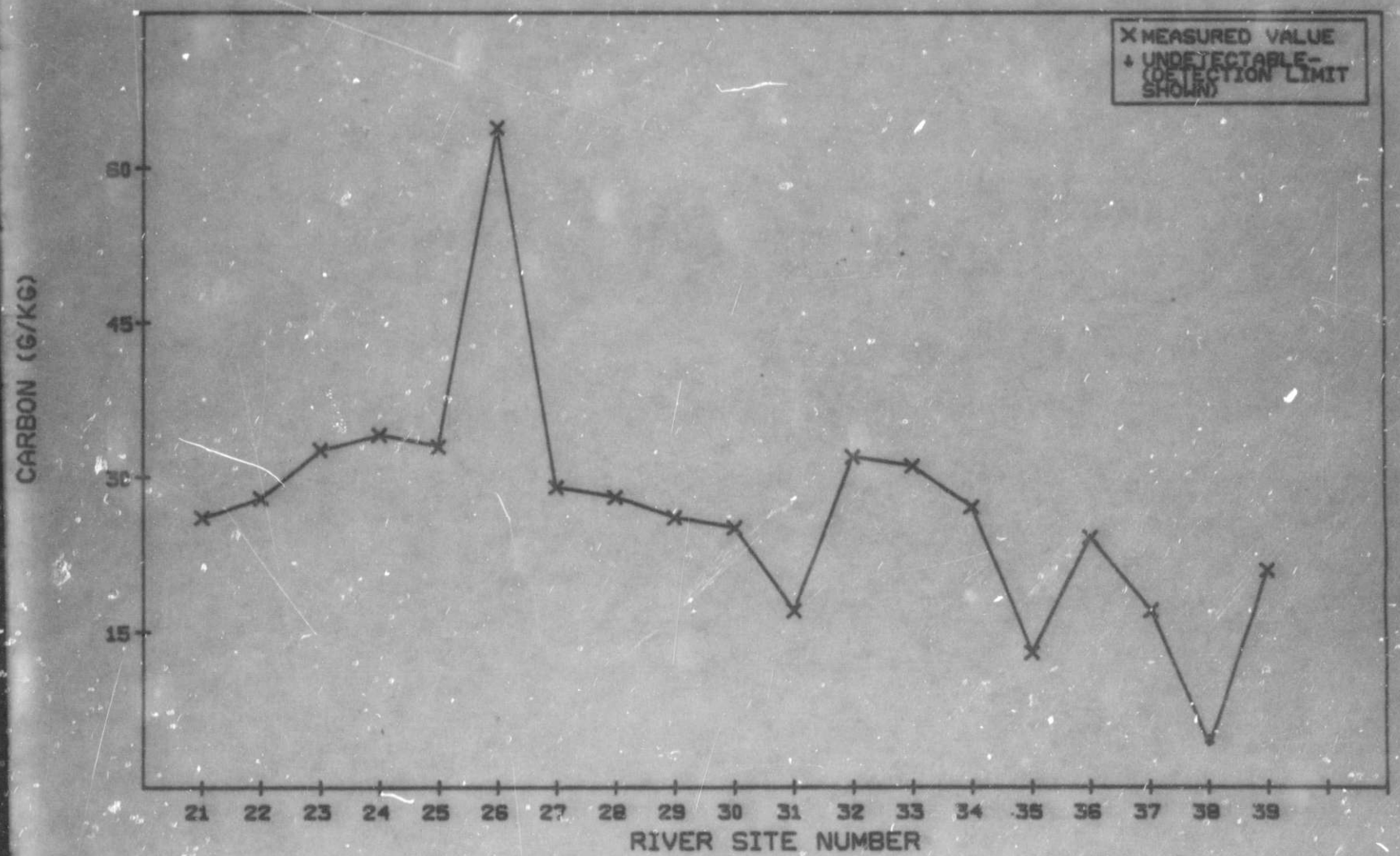

FIGURE F19. ORGANIC CARBON IN RIVER BEFORE DUMPING OPERATION.

Disposal and Reference Station Conditions
Before and After Dumping

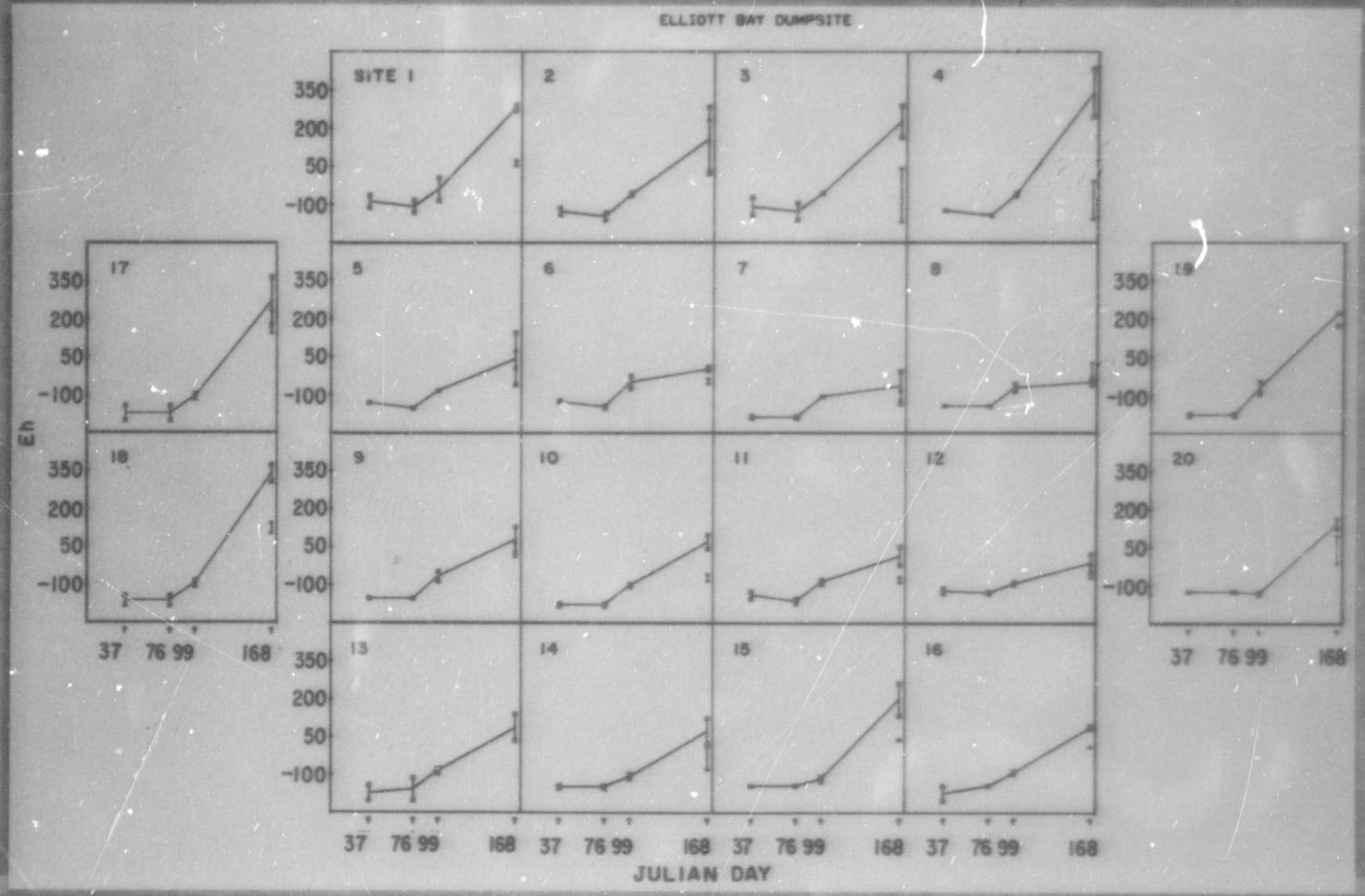

Figure F1. Eh in bay sediment before and after dumping operation.
x = top 10 cm, Δ = lower core

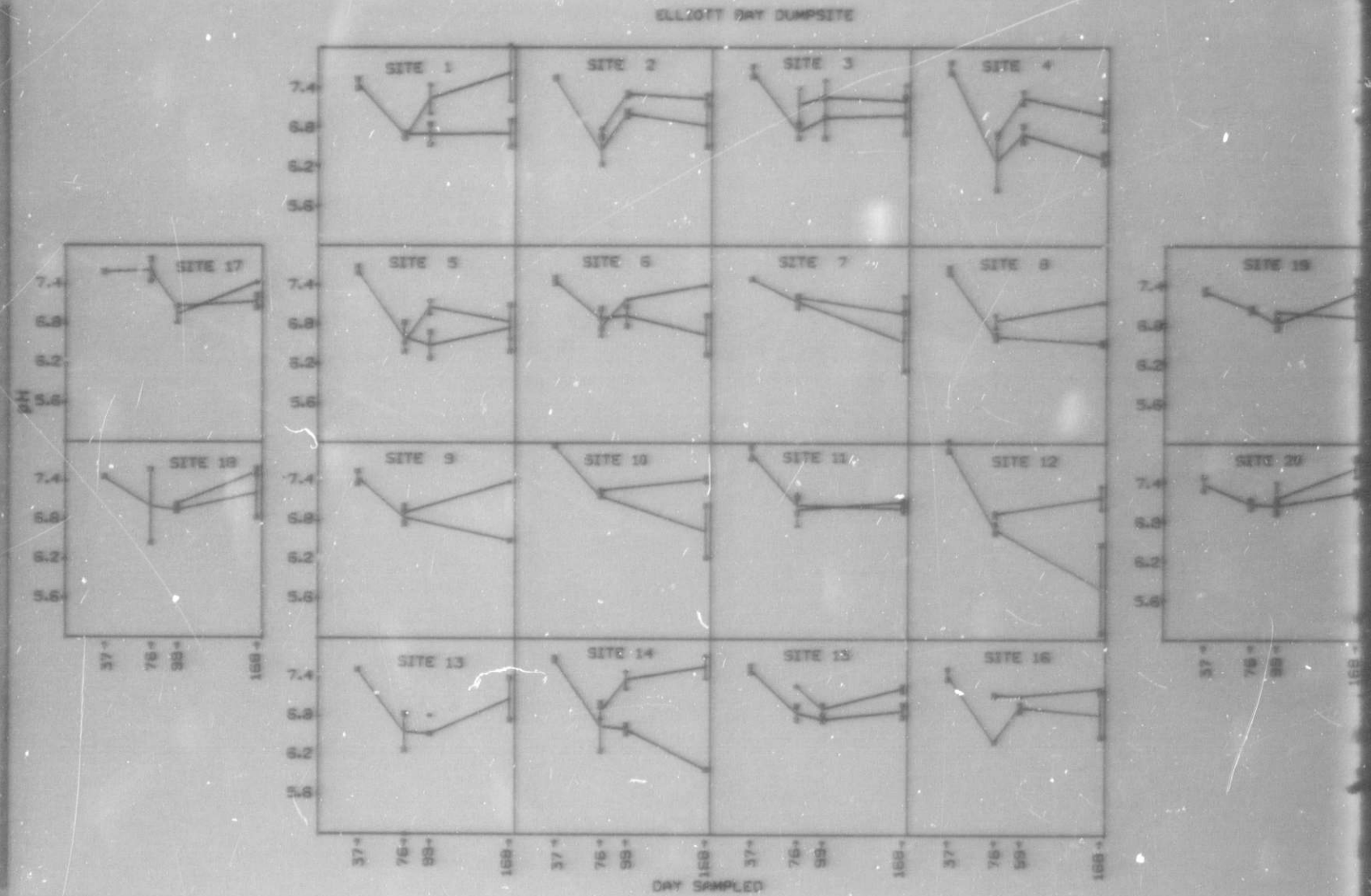

Figure F2. pH in bay sediment before and after dumping operation
x = top 10 cm, Δ = lower core

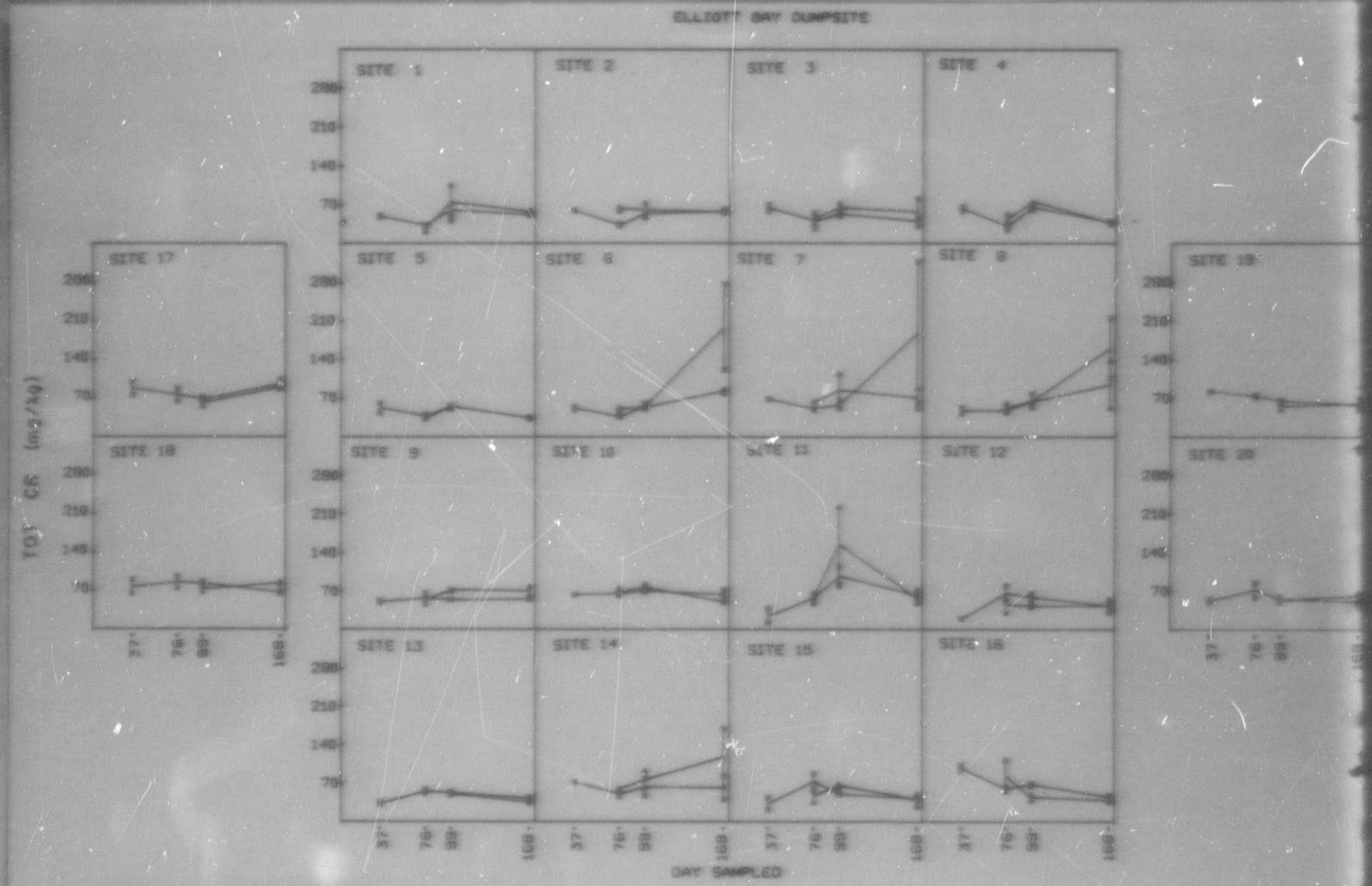

Figure F3. Total Cr in bay sediment before and after dumping operation.
x = top 10 cm, Δ = lower core

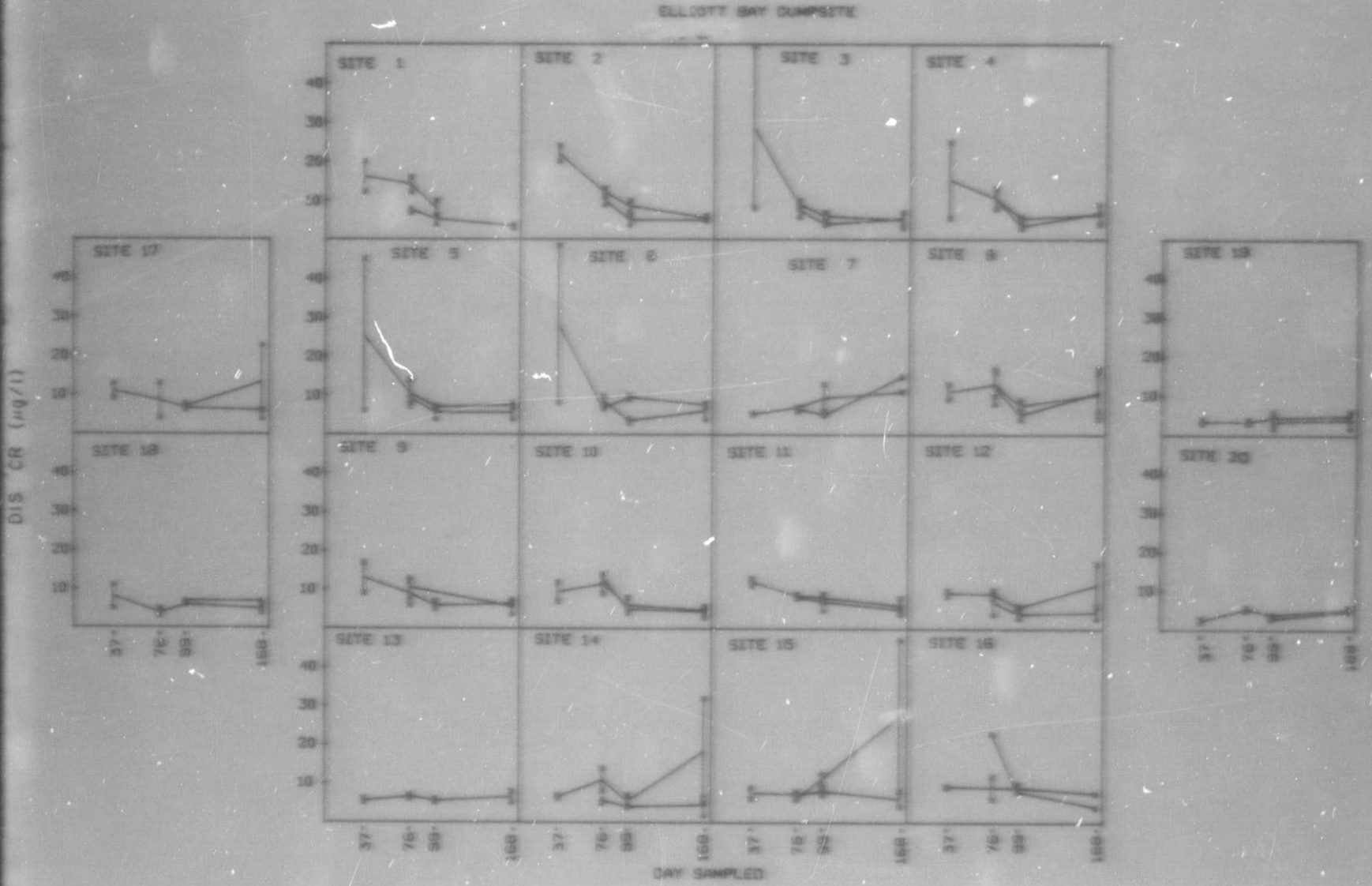

Figure 54. Interstitial Cr in bay sediment before and after dumping operation. x = top 10 cm, Δ = lower core

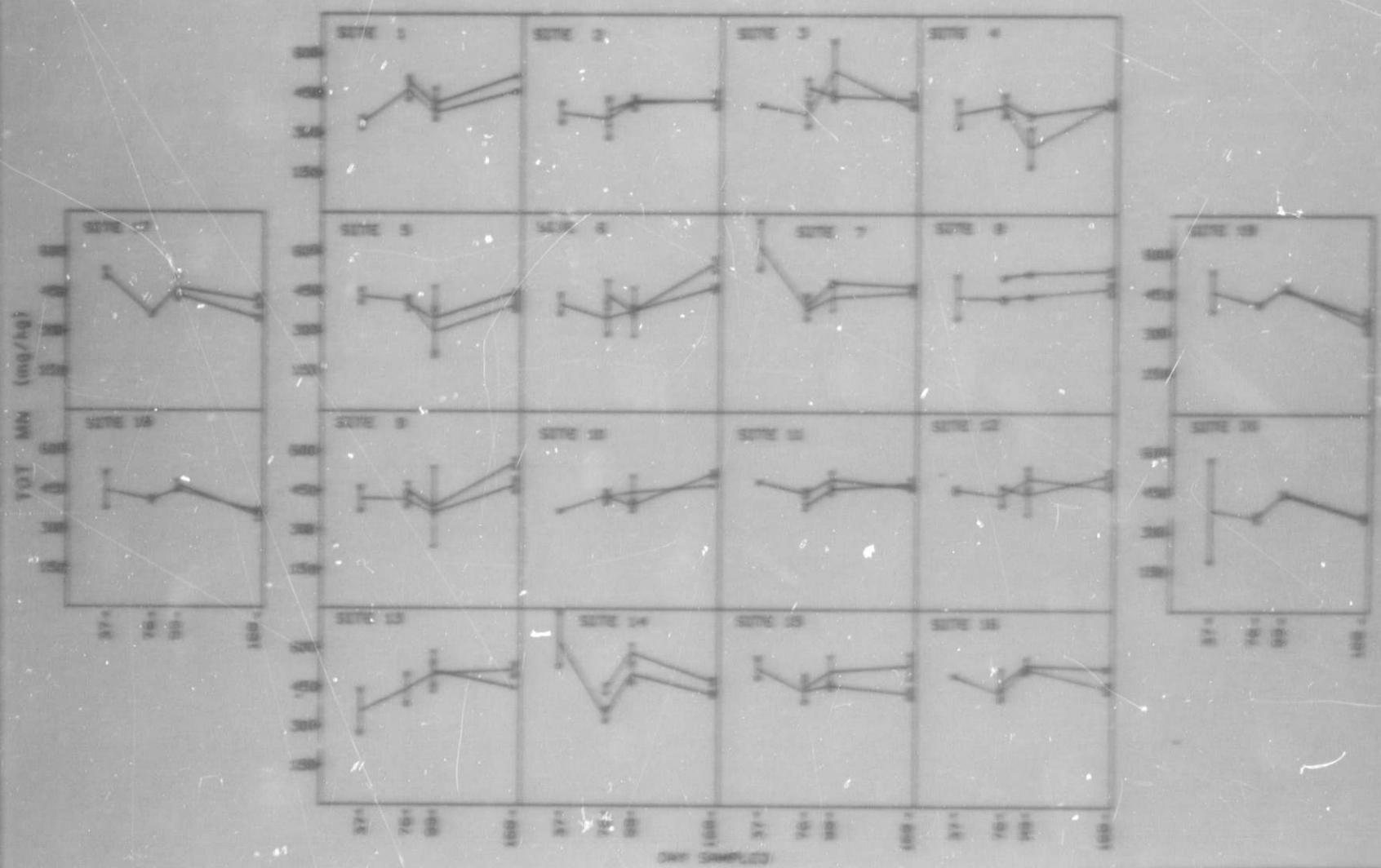

Figure 45. Total Mn in bay sediment before and after dumping operation.
x = top 10 cm, Δ = lower core

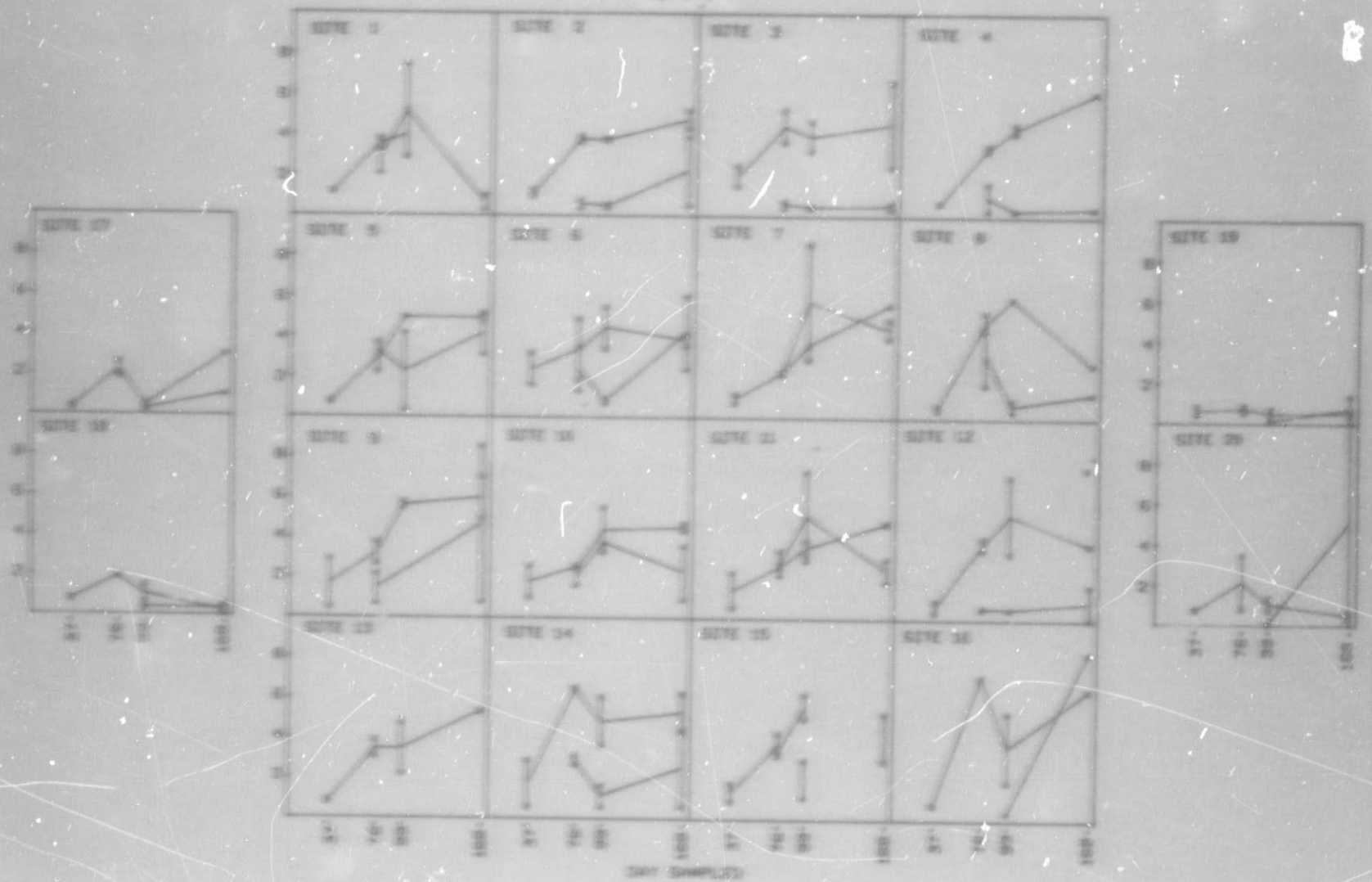

Figure F6. Interstitial Mn in bay sediment before and after dumping operation. x = top 10 cm, Δ = lower core

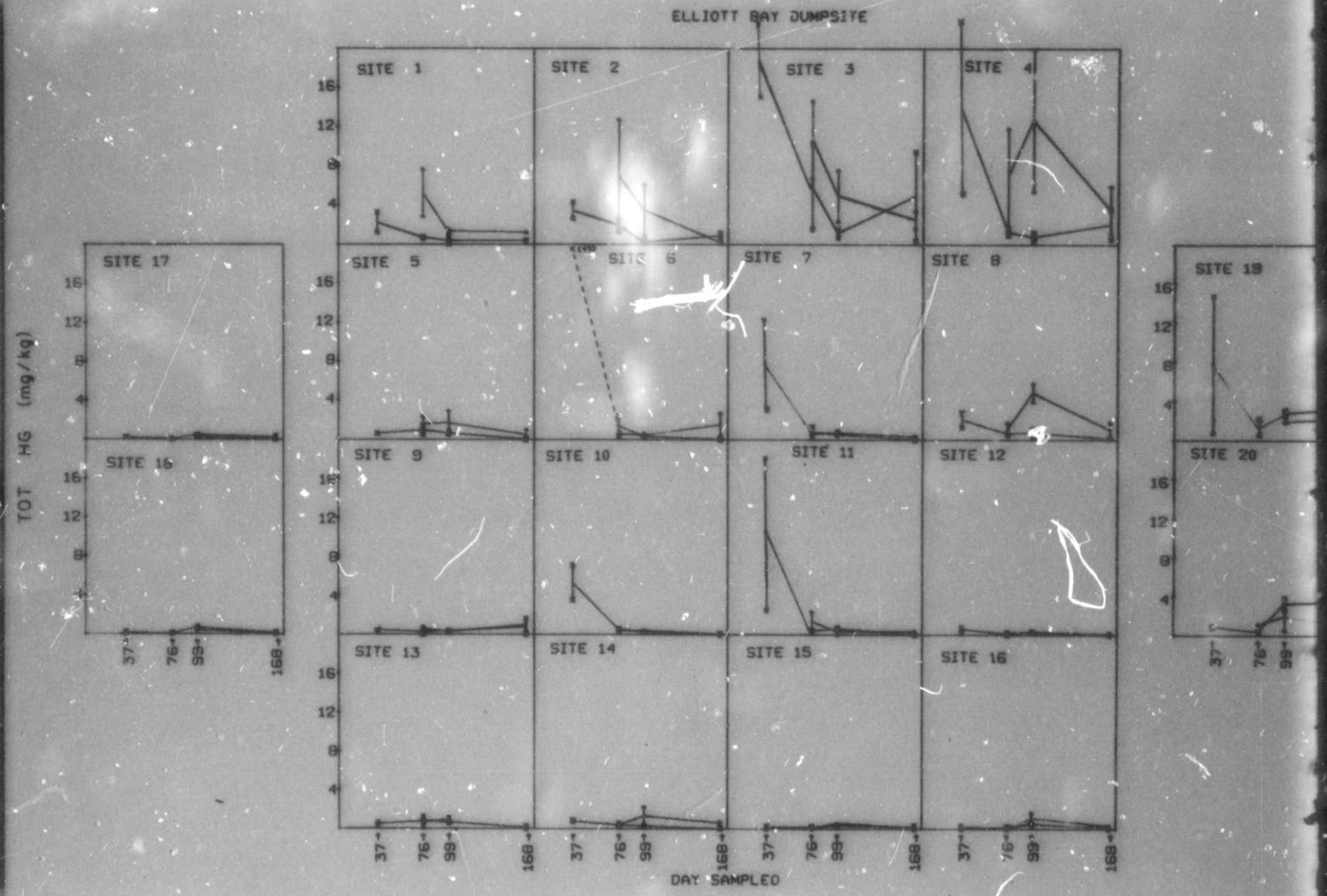

Figure F7. Total Hg in bay sediment before and after dumping operation.
x = top 10 cm, Δ = lower core

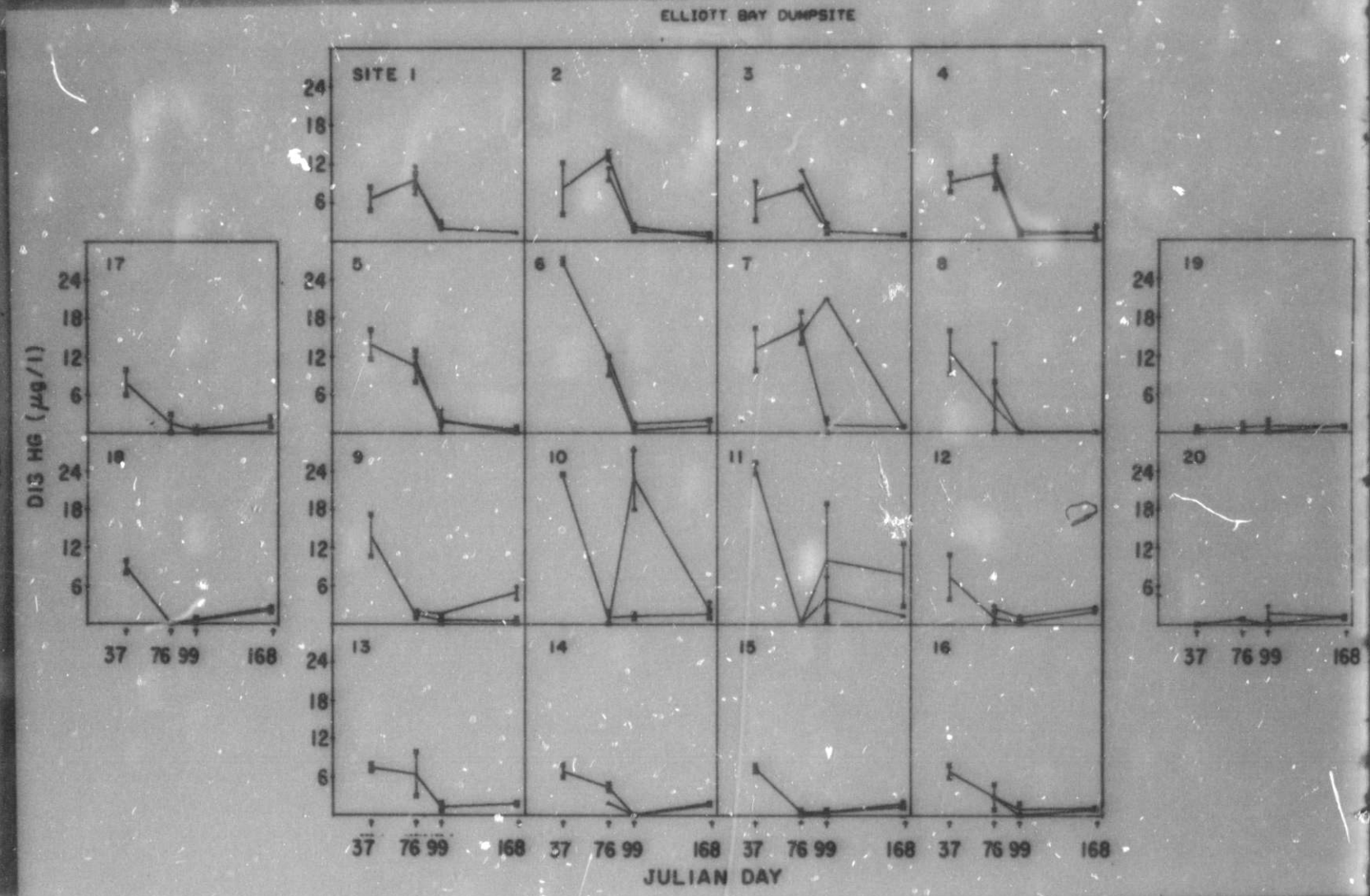

Figure F8. Interstitial Hg in bay sediment before and after dumping operation.
x = top 10 cm, Δ = lower core

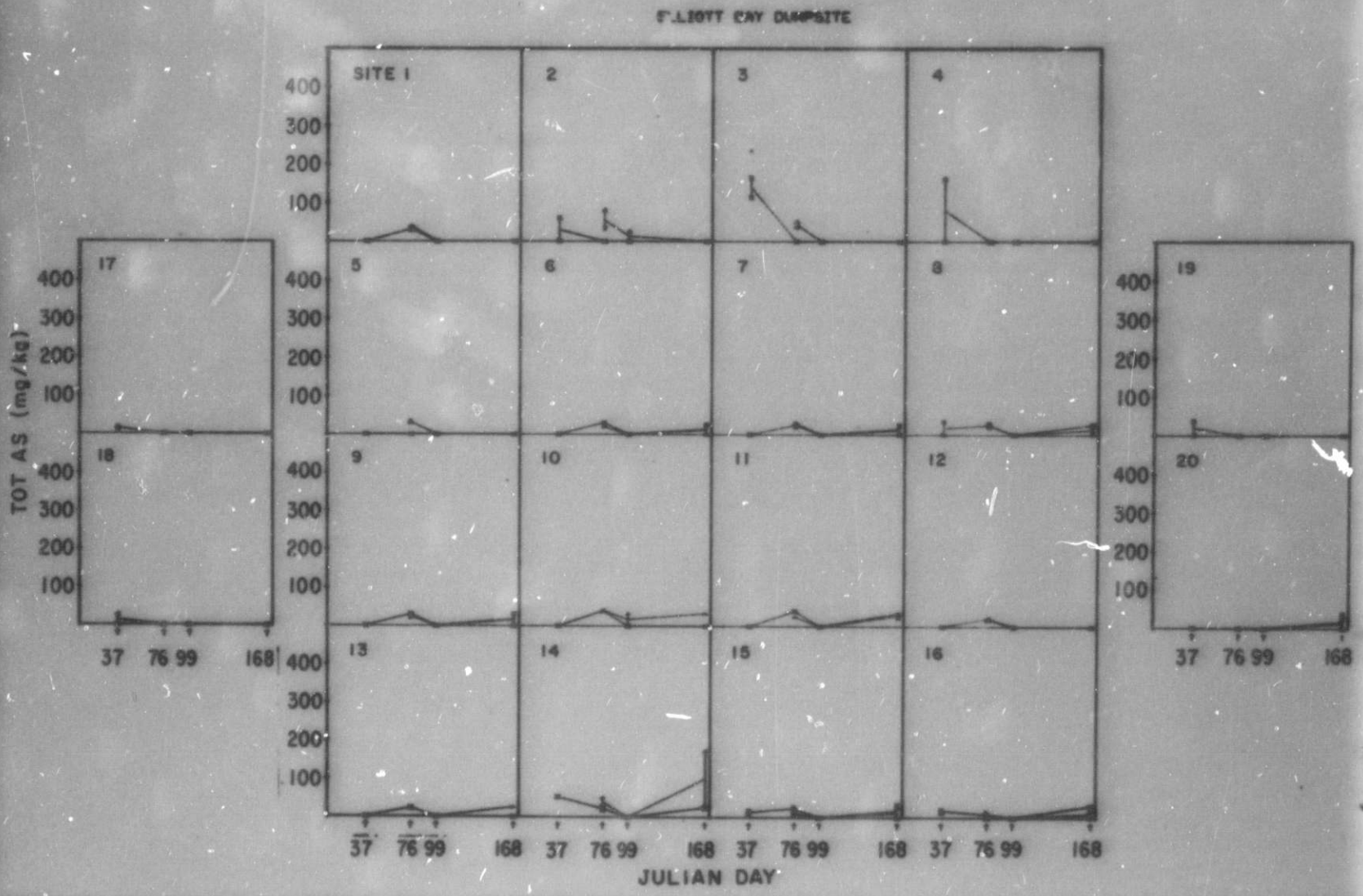

Figure F9. Total As in bay sediment before and after dumping operation.
x = top 10 cm, Δ = lower core

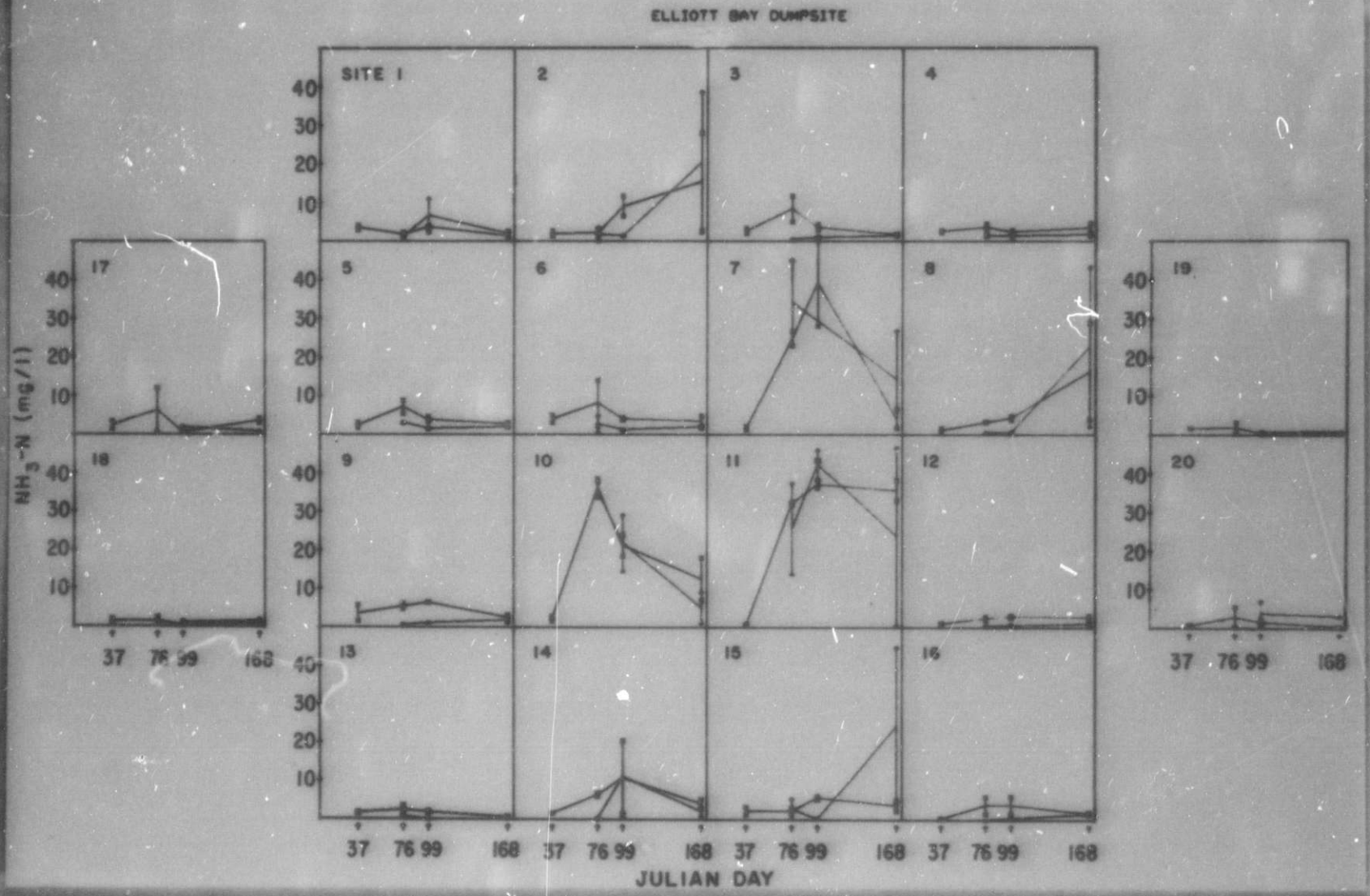

Figure F10. NH_3-N in bay sediment before and after dumping operation.

x = top 10 cm, Δ = lower core

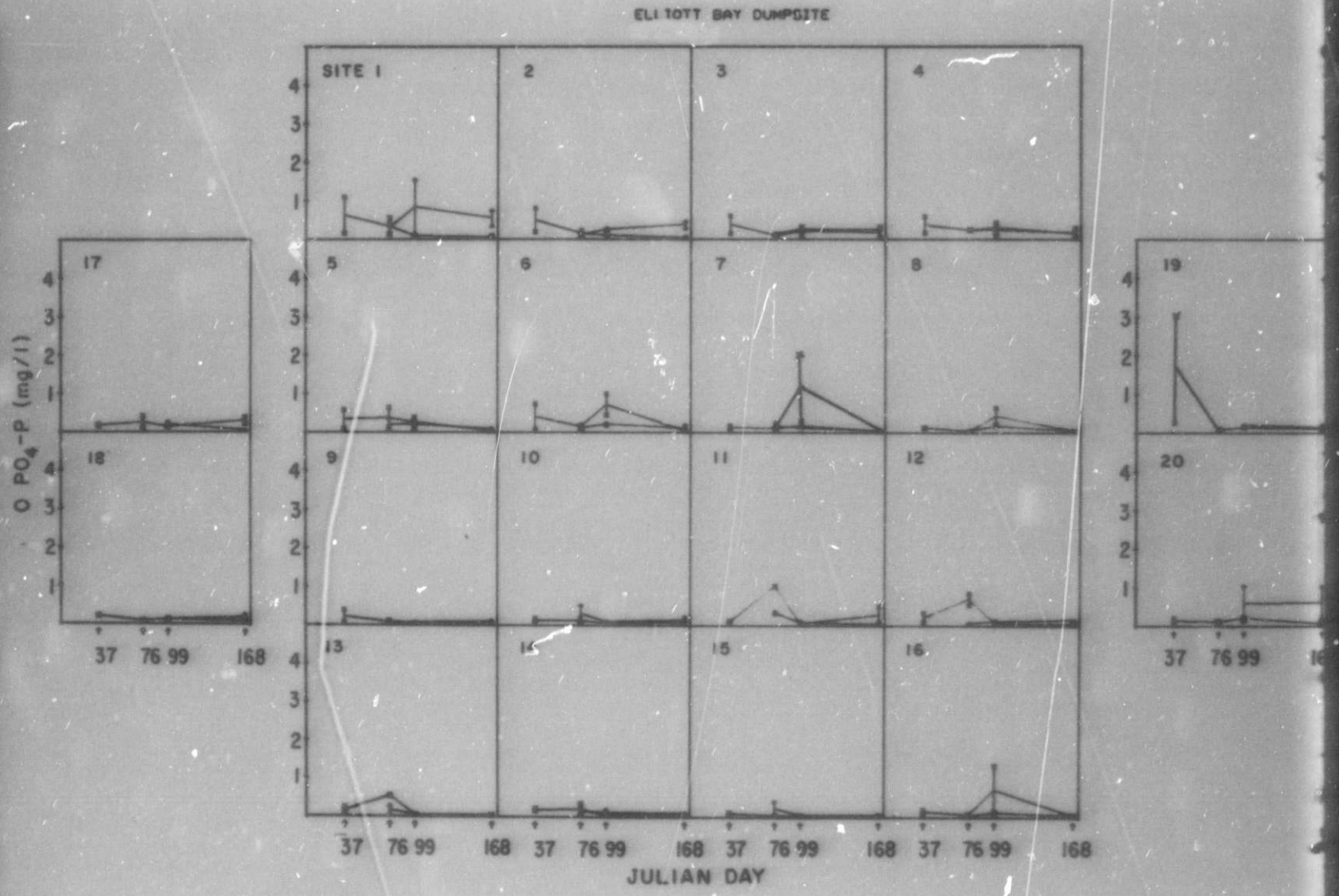

Figure F11. Ortho PO_4-P in bay sediment before and after dumping operation.

x = top 10 cm, Δ = lower core

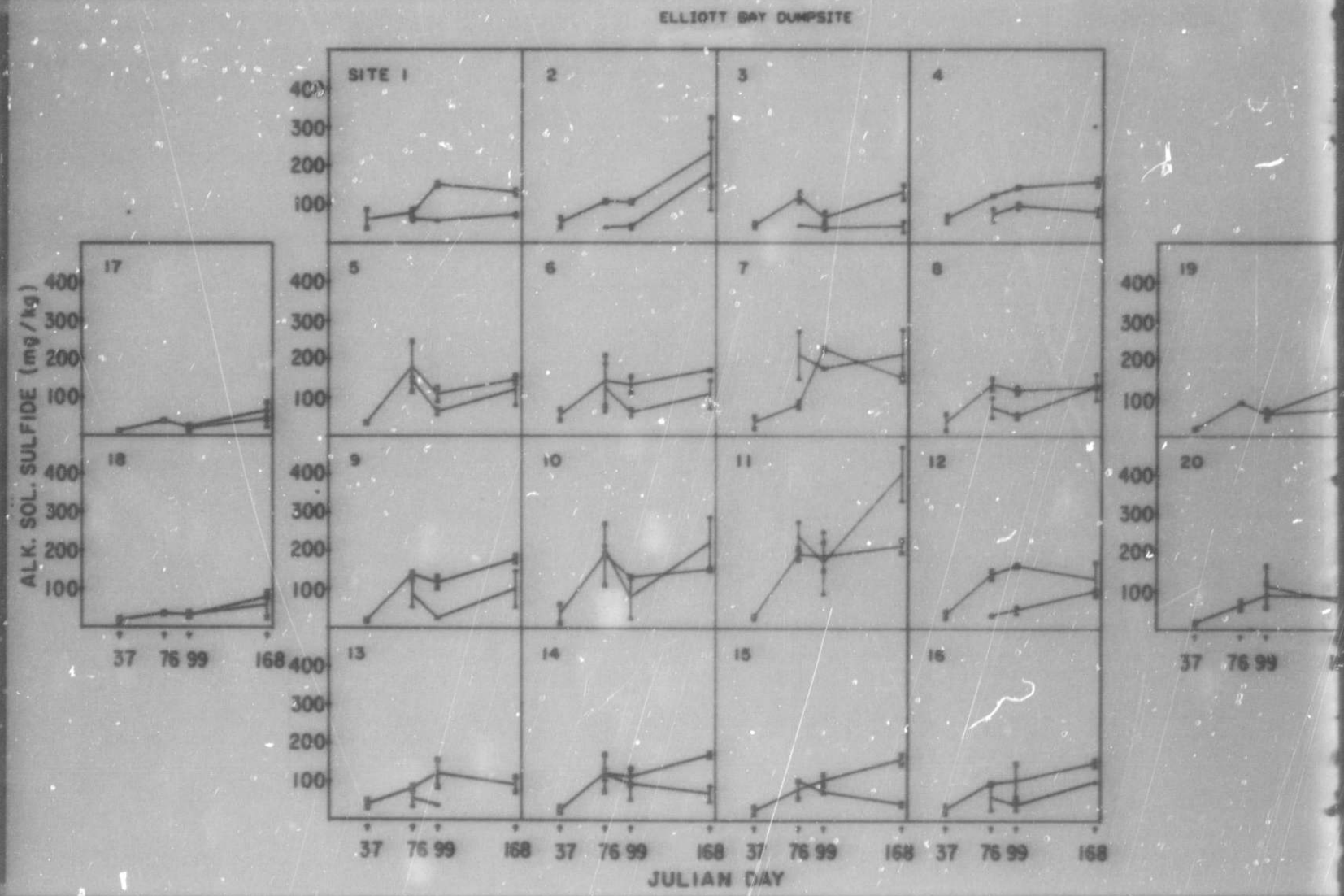

Figure F12. Alkaline souluble sulfide in bay sediment before and after dumping operation.

x = top 10 cm, Δ = lower core

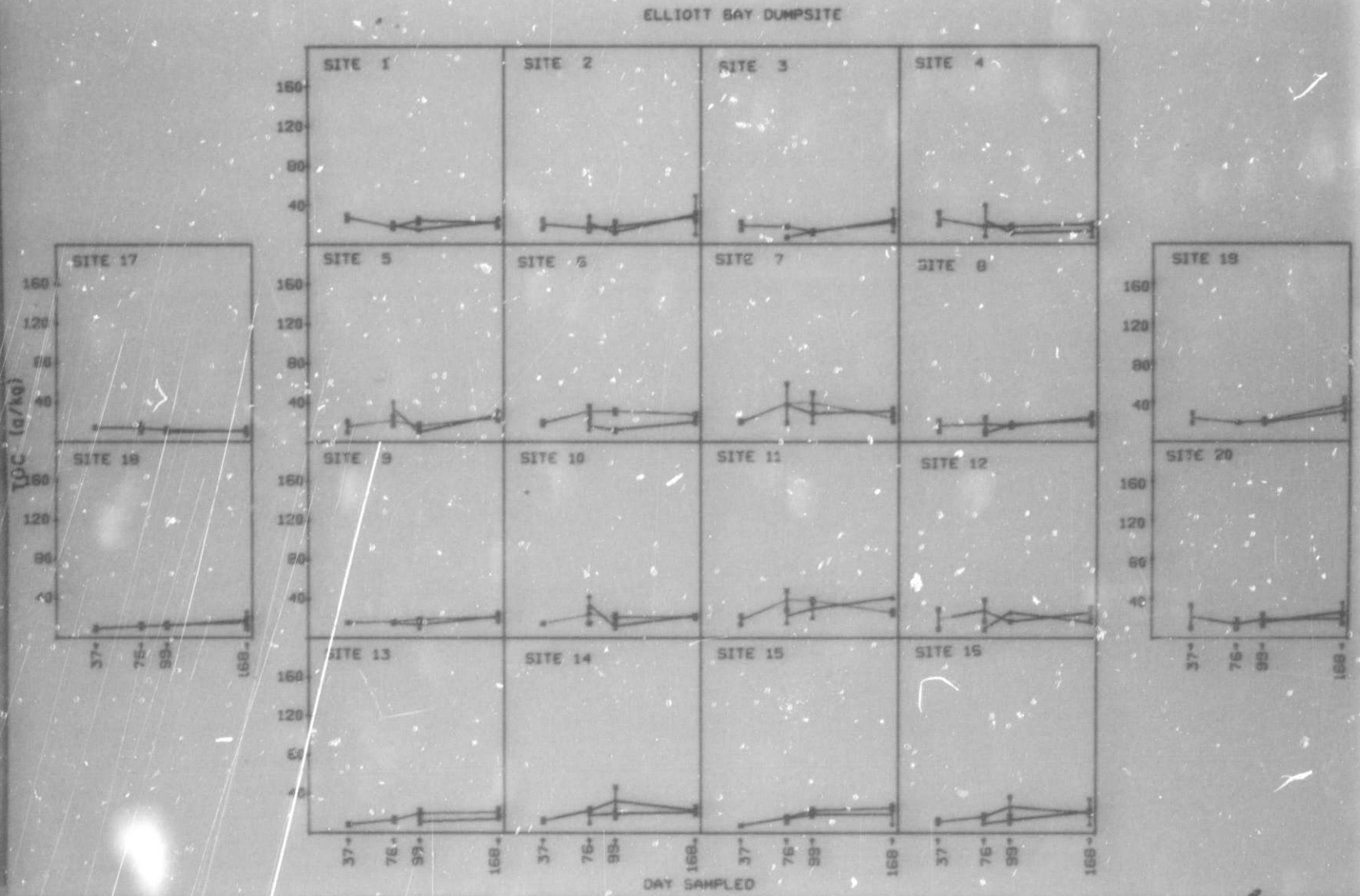

Figure F13. TOC in bay sediment before and after dumping operation.
x = top 10 cm, Δ = lower core

Raw Data for Chemical Parameters

ELLIOTT BAY SEAWATER

LAB NO.	SITE	DAY	DEPTH	TIME	SHIP	DATE	NH3 MG/L	NO2+NO3 MG/L	ORTHO-P MG/L	HG UG/L	MN UG/L	CR UG/L	AS UG/L	SUSSOLIDS MG/L	PH
9302	44	55	B	0655	S	760224	.007	.411	.077	< 1.000	12.00	6	6	5.73	7.7
9303	44	55	B	0655	S	760224	-1.000	-1.000	-1.000	< 1.000	14.00	4	8	3.05	7.8
9002	44	55	B	1653	S	760224	.013	.402	.088	1.100	13.00	< 1	< 4	2.01	7.5
9156	44	55	B	1653	S	760224	.025	.423	.078	1.100	14.00	4	< 4	3.48	7.7
9307	44	55	M	0705	S	760224	.007	.401	.019	< 1.000	11.00	4	4	.84	7.8
9308	44	55	M	0705	S	760224	.008	.400	.058	< 1.000	8.00	3	7	.97	7.8
9158	44	55	M	1655	S	760224	.008	.426	.077	1.300	11.00	3	< 4	.87	7.7
9160	44	55	M	1655	S	760224	.006	.004	< .005	< 1.000	10.00	4	< 4	.33	7.7
9309	44	55	S	0715	S	760224	.008	.399	.078	< 1.000	11.00	5	< 4	1.74	7.8
9310	44	55	S	0715	S	760224	.006	.396	.072	< 1.000	13.00	4	< 4	.85	7.8
9157	44	55	S	1655	S	760224	.222	.450	.084	1.800	39.00	1	< 4	4.28	7.6
9159	44	55	S	1655	S	760224	.220	.456	.084	1.600	37.00	2	< 4	5.29	7.5
9312	44	56	B	0611	S	760225	.005	.400	.074	< 1.000	17.00	4	< 4	1.36	7.8
9313	44	56	B	0611	S	760225	.005	.399	.022	< 1.000	17.00	3	< 4	.73	7.8
9314	44	56	M	0615	S	760225	.005	.397	.010	< 1.000	20.00	3	< 4	.80	7.8
9315	44	56	M	0615	S	760225	.007	.405	.051	< 1.000	21.00	5	< 4	.84	7.8
9318	44	56	S	0620	S	760225	-1.000	-1.000	-1.000	< 1.000	19.00	4	< 4	.96	7.8
9316	44	56	S	0628	S	760225	.006	.401	.077	< 1.000	23.00	3	< 4	.96	7.8
9340	44	57	B	0605	S	760226	.007	.404	.083	< 1.000	19.00	< 1	< 4	1.58	7.7
9341	44	57	B	0605	S	760226	< .005	.405	.084	< 1.000	16.00	3	< 4	.74	7.7
9370	44	57	B	1745	S	760226	.044	.388	.085	< 1.000	15.00	3	< 4	2.63	7.8
9371	44	57	B	1745	S	760226	.012	.400	.087	-1.000	19.00	3	4	11.32	7.8
9344	44	57	M	0610	S	760226	< .005	.408	.079	< 1.000	17.00	3	< 4	.86	7.8
9345	44	57	M	0610	S	760226	< .005	.405	.079	< 1.000	16.00	2	< 4	.84	7.8
9372	44	57	M	1755	S	760226	.009	.405	.085	-1.000	16.00	2	-1	39.77	7.8
9373	44	57	M	1755	S	760226	.006	.407	.088	-1.000	13.00	2	< 4	9.24	7.8
9342	44	57	S	0610	S	760226	.005	.405	.087	< 1.000	16.00	1	< 4	.46	7.8
9343	44	57	S	0610	S	760226	.005	.403	.087	< 1.000	15.00	3	< 4	.86	7.8
9374	44	57	S	1757	S	760226	.004	.405	.086	-1.000	15.00	3	< 4	2.06	7.8
9375	44	57	S	1757	S	760226	.086	.376	.078	-1.000	15.00	3	< 4	2.12	7.9
9299	A	55	B	0535	S	760224	.019	.391	.072	< 1.000	18.00	3	8	5.13	7.7
9300	A	55	B	0535	S	760224	.027	.401	.072	< 1.000	14.00	3	5	3.[illegible]	7.7
9003	A	55	B	1623	S	760224	.008	.402	.081	.600	13.00	< 1	< 4	.79	7.5
9152	A	55	B	1623	S	760224	.013	.423	.080	1.100	12.00	4	< 4	1.16	7.7
9297	A	55	M	0530	S	760224	.017	.438	.079	< 1.000	10.00	4	7	1.12	7.7
9301	A	55	M	0536	S	760224	.003	.392	.079	< 1.000	12.00	4	6	.89	7.8
9150	A	55	M	1623	S	760224	.003	.417	.075	< 1.000	11.00	2	< 4	2.35	7.4
9151	A	55	M	1623	S	760224	.003	.417	.077	< 1.000	12.00	3	< 4	.24	7.7
9296	A	55	S	0530	S	760224	.002	.393	.079	< 1.000	10.00	4	9	.81	7.8

ELLIOTT BAY SEAWATER

LAB NO.	SITE	DAY	DEPTH	TIME	SHIP	DATE	NH3 MG/L	NO2+NO3 MG/L	ORTHO-P MG/L	HG UG/L	MN UG/L	CR UG/L	AS UG/L	SUSSOLIDS MG/L	PH
9298	A	55	S	0530	S	760224	.006	.409	.077	< 1.000	12.00	4	6	9.81	7.81
9001	A	55	S	1613	S	760224	0	0	0	1.100	12.60	< 1	< 4	.49	7.47
9149	A	55	S	1613	S	760224	.003	.414	.077	< 1.000	11.00	3	< 4	1.33	7.77
9326	A	56	B	1010	S	760225	.009	.410	.077	< 1.000	19.00	3	6	2.94	7.83
9327	A	56	B	1010	S	760225	.008	.410	.079	< 1.000	20.00	3	6	1.22	7.82
9324	A	56	M	1010	S	760225	.015	.408	.081	< 1.000	19.00	5	5	1.73	7.83
9325	A	56	M	1010	S	760225	.017	.420	.077	< 1.000	19.00	3	< 4	1.37	7.81
9328	A	56	S	1017	S	760225	.004	.401	.079	< 1.000	16.00	3	5	1.06	7.85
9329	A	56	S	1017	S	760225	.006	.405	.083	< 1.000	19.00	4	6	.66	7.84
9356	A	57	B	0635	S	760226	.007	.409	.081	< 1.000	17.00	2	< 4	2.16	7.82
9357	A	57	B	0635	S	760226	< .005	.403	.083	< 1.000	14.00	2	< 4	2.49	7.81
9363	A	57	B	1640	S	760226	.005	.409	.082	< 1.000	15.00	3	< 4	2.38	7.85
9364	A	57	B	1640	S	760226	.004	.405	.080	< 1.000	15.00	2	4	2.06	7.85
9348	A	57	M	0635	S	760226	.005	.405	.082	< 1.000	17.00	1	< 4	.94	7.84
9349	A	57	M	0635	S	760226	< .005	.407	.083	< 1.000	16.00	2	5	1.69	7.82
9359	A	57	M	1630	S	760226	.005	.408	.084	< 1.000	14.00	3	< 4	1.61	7.84
9360	A	57	M	1630	S	760226	.008	.406	.085	< 1.000	16.00	2	< 4	1.13	7.84
9346	A	57	S	0630	S	760226	< .005	.402	.079	< 1.000	15.00	2	< 4	1.34	7.84
9347	A	57	S	0630	S	760226	< .005	.404	.081	< 1.000	16.00	1	< 4	1.03	7.84
9361	A	57	S	1640	S	760226	.039	.395	.081	< 1.000	15.00	2	5	.90	7.83
9362	A	57	S	1640	S	760226	.007	.406	.082	< 1.000	13.00	4	4	.84	7.85
9306	B	55	B	0700	S	760224	.006	.399	.058	< 1.000	13.00	4	-1	2.36	7.79
9163	B	55	B	1722	S	760224	.010	.413	.076	< 1.000	11.00	5	< 4	2.15	7.76
9164	B	55	B	1722	S	760224	< .005	< .005	< .005	1.100	10.00	4	< 4	.90	7.79
9305	B	55	M	0700	S	760224	.016	.400	.087	< 1.000	10.00	4	6	1.30	7.76
9095	B	55	M	1722	S	760224	.017	.399	.082	1.400	14.00	< 1	5	10.93	7.59
9162	B	55	M	1722	S	760224	.017	.403	.078	< 1.000	11.00	3	< 4	1.35	7.79
9304	B	55	S	0700	S	760224	.071	.418	.088	< 1.000	15.00	3	6	1.64	7.71
9094	B	55	S	1722	S	760224	.161	.421	.095	.800	35.00	< 1	< 4	2.88	7.47
9161	B	55	S	1722	S	760224	.165	.432	.086	1.500	29.00	4	< 4	3.14	7.48
9317	B	56	B	0635	S	760225	.016	.411	.075	1.100	20.00	9	< 4	2.18	7.74
9319	B	56	B	0635	S	760225	.016	.403	.091	< 1.000	8.00	3	< 4	3.02	7.82
9320	B	56	M	0640	S	760225	.004	.403	.088	< 1.000	22.00	3	< 4	.81	7.83
9321	B	56	M	0640	S	760225	.009	.406	.084	< 1.000	15.00	3	< 4	1.54	7.84
9322	B	56	S	0645	S	760225	.005	.406	.085	< 1.000	15.00	4	4	0	7.83
9323	B	56	S	0645	S	760225	.004	.406	.084	< 1.000	15.00	5	5	.26	7.84
9354	B	57	B	0710	S	760226	.013	.400	.075	< 1.000	22.00	2	< 4	2.40	7.79

ELLIOTT BAY SEAWATER

LAB NO.	SITE	DAY	DEPTH	TIME	SHIP	DATE	NH3 MG/L	NO2+NO3 MG/L	ORTHO-P MG/L	HG UG/L	MN UG/L	CR UG/L	AS UG/L	SUSSOLIDS MG/L	PH
9355	B	57	B	0710	S	760226	.010	.405	.077	< 1.000	21.00	J	-1	2.06	7.4
9365	B	57	B	1710	S	760226	.013	.403	.082	< 1.000	16.00	4	< 4	4.96	7.8
9366	B	57	B	1710	S	760226	.012	.408	.082	< 1.000	19.00	2	-1	4.48	7.8
9356	B	57	M	0715	S	760226	.042	.404	.078	< 1.000	21.00	2	< 4	1.24	7.6
9357	B	57	M	0715	S	760226	.016	.409	.079	< 1.000	16.00	2	< 4	.98	7.8
9367	B	57	M	1715	S	760226	.010	.403	.081	< 1.000	23.00	3	4	9.76	7.8
9368	B	57	M	1715	S	760226	.010	.401	.088	< 1.000	19.00	3	5	4.88	7.8
9352	B	57	S	0710	S	760226	.077	.401	.083	< 1.000	25.00	3	< 4	2.17	7.7
9351	B	57	S	0710	S	760226	.089	.415	.084	< 1.000	25.00	3	< 4	1.92	7.7
9358	B	57	S	0717	S	760226	-1.000	-1.000	-1.000	< 1.000	14.00	2	< 4	.29	7.4
9369	B	57	S	1717	S	760226	.007	.403	.085	< 1.000	14.00	2	< 4	.52	7.8
9006	D	55	B	0910	M	760224	.011	.415	.080	1.900	17.00	< 1	< 4	.70	7.5
9027	D	55	B	0928	M	760224	.008	.414	.087	.800	13.00	1	< 4	1.00	7.6
9013	D	55	B	0932	M	760224	.007	.422	.095	2.400	11.00	< 1	< 4	1.25	7.7
9016	D	55	B	0937	M	760224	.010	.419	.091	1.900	12.00	< 1	< 4	1.39	7.7
9019	D	55	B	0942	M	760224	.124	.415	.128	1.600	18.00	1	< 4	5.12	7.7
9041	D	55	B	0952	M	760224	.005	.410	.090	< .600	12.00	2	< 4	1.00	7.6
9047	D	55	B	1012	M	760224	.005	.399	.091	< .600	13.00	1	5	5.56	7.7
9050	D	55	B	1022	M	760224	.011	.408	.098	< .600	12.00	2	< 4	3.84	7.7
9036	D	55	B	1042	M	760224	.003	.394	.086	< .600	13.00	< 1	5	2.24	7.5
9062	D	55	B	1122	M	760224	.007	.403	.090	< .600	12.00	< 1	< 4	.45	7.6
9068	D	55	B	1132	M	760224	.008	.397	.085	< 1.000	13.00	< 1	< 4	.34	7.7
9074	D	55	B	1155	M	760224	.013	.417	.075	< 1.000	13.00	2	< 4	2.00	7.7
9080	D	55	B	1202	M	760224	.005	.395	.086	< 1.000	12.00	2	5	.41	7.7
9083	D	55	B	1205	M	760224	.010	.410	.077	< 1.000	11.00	< 1	< 4	.49	7.7
9092	D	55	B	1215	M	760224	.008	.420	.081	< 1.000	15.00	1	5	2.59	7.7
9098	D	55	B	1235	M	760224	.012	.417	.077	< 1.000	13.00	< 1	5	1.12	7.6
9101	D	55	B	1250	M	760224	.007	.418	.088	< 1.000	18.00	< 1	4	14.76	7.7
9147	D	55	B	1305	M	760224	-1.000	-1.000	-1.000	< 1.000	15.00	3	4	2.38	7.7
9116	D	55	B	1445	M	760224	.015	.429	.076	1.000	19.00	3	< 4	11.26	7.6
9122	D	55	B	1450	M	760224	.032	.421	.074	2.000	22.00	3	< 4	114.00	7.6
9125	D	55	B	1455	M	760224	.128	.420	.104	1.600	16.00	3	< 4	398.30	7.4
9131	D	55	B	1500	M	760224	.036	.406	.078	1.500	22.00	3	< 4	48.58	7.6
9137	D	55	B	1510	M	760224	.036	.406	.087	1.300	20.00	5	5	8	7.6
9143	D	55	B	1530	M	760224	.043	.415	.075	1.300	22.00	3	< 4	36.44	7.4
9148	D	55	B	1600	M	760224	.011	.415	.074	1.100	14.00	3	< 4	10.47	7.7
9155	D	55	B	1645	M	760224	.011	.418	.074	1.500	20.00	4	< 4	8.46	7.6
9010	D	55	M	0910	M	760224	< .005	.412	.077	1.100	14.00	< 1	< 4	0	7.4
9026	D	55	M	0928	M	760224	.009	.414	.090	.600	12.00	1	< 4	.50	7.6
9012	D	55	M	0932	M	760224	.008	.408	.089	2.900	11.00	< 1	< 4	.68	7.4
9015	D	55	M	0937	M	760224	.007	.423	.093	1.100	10.00	< 1	4	-.12	7.7
9018	D	55	M	0942	M	760224	.013	.415	.091	1.900	11.00	< 1	< 4	4.24	7.7
9039	D	55	M	0952	M	760224	.006	.413	.089	29.000	12.00	1	< 4	.16	7.6
9046	D	55	M	1012	M	760224	.006	.411	.091	< .600	12.00	2	< 4	.37	7.7
9049	D	55	M	1022	M	760224	.005	.401	.089	< .600	12.00	1	< 4	.17	7.7
9055	D	55	M	1042	M	760224	.005	.400	.085	< .600	13.00	1	< 4	.15	7.6

ELLIOTT BAY SEAWATER

LAB NO.	SITE	DAY	DEPTH	TIME	SAMP	DATE	NH3 MG/L	NO2+NO3 MG/L	ORTHO-P MG/L	HG UG/L	MN UG/L	CR UG/L	AS UG/L	SUSSOLIDS MG/L	PH
9061	D	55	M	1122	M	760224	.002	.393	.087	< .000	13.00	< 1	4	.50	7.
9067	D	55	M	1152	M	760224	.005	.395	.087	< 1.000	10.00	< 1	4	0	7.
9073	D	55	M	1155	M	760224	.006	.417	.079	< .000	11.00	3	< 4	.42	7.
9079	D	55	M	1202	M	760224	.005	.383	.089	< 1.000	11.00	1	< 4	0	7.
9082	D	55	M	1205	M	760224	.009	.414	.078	< 1.000	11.00	< 1	4	.95	7.
9091	D	55	M	1215	M	760224	.003	.414	.081	1.000	12.00	< 1	< 4	.19	7.
9097	D	55	M	1235	M	760224	.007	.420	.082	< 1.000	13.00	< 1	5	3.36	7.
9100	D	55	M	1250	M	760224	.033	.421	.075	< 1.000	12.00	< 1	< 4	1.38	7.
9106	D	55	M	1305	M	760224	.010	.420	.077	< 1.000	12.00	4	5	2.16	7.
9115	D	55	M	1445	M	760224	.006	.419	.080	1.000	15.00	1	< 4	2.32	7.
9121	D	55	M	1450	M	760224	.012	.424	.081	1.300	13.00	1	4	.35	7.
9124	D	55	M	1455	M	760224	.008	.422	.079	1.100	13.00	3	< 4	9041	7.
9130	D	55	M	1500	M	760224	.011	.406	.077	1.100	17.00	1	< 4	3.35	7.
9136	D	55	M	1510	M	760224	.034	.407	.075	1.100	17.00	4	4	38.09	7.
9142	D	55	M	1530	M	760224	.035	.418	.071	1.300	25.00	3	< 4	38.39	7.
9111	D	55	M	1600	M	760224	.020	.398	.042	-1.000	17.00	2	5	4.80	7.
9154	D	55	M	1645	M	760224	.010	.421	.077	1.100	18.00	3	4	2.29	7.
9087	D	55	S	0910	M	760224	.017	.413	.079	1.100	17.00	< 1	< 4	1.23	7.
9025	D	55	S	0928	M	760224	.048	.418	.098	.500	16.00	1	< 4	.86	7.
9011	D	55	S	0932	M	760224	.014	.413	.097	1.400	13.00	< 1	< 4	3.19	7.
9014	D	55	S	0937	M	760224	.011	.410	.087	.900	12.00	< 1	< 4	.98	7.
9017	D	55	S	0942	M	760224	.017	.419	.092	1.700	16.00	< 1	< 4	5.32	7.
9040	D	55	S	0952	M	760224	.017	.418	.088	-1.000	12.00	1	4	1.50	7.
9045	D	55	S	1012	M	760224	.019	.412	.089	< .000	16.00	1	4	.78	7.
9048	D	55	S	1022	M	760224	.025	.404	.091	< .900	16.00	1	< 4	.85	7.
9054	D	55	S	1042	M	760224	.031	.403	.091	< .600	17.00	1	< 4	1.88	7.
9060	D	55	S	1122	M	760224	.023	.397	.090	< .000	15.00	< 1	< 4	2.35	7.
9064	D	55	S	1152	M	760224	.040	.402	.091	< 1.000	20.00	< 1	< 4	.41	7.
9072	D	55	S	1155	M	760224	.026	.417	.082	< 1.000	16.00	4	< 4	55.31	7.
9078	D	55	S	1208	M	760224	.021	.397	.066	< 1.000	15.00	3	< 4	4.73	7.
9081	D	55	S	1202	M	760224	.015	.397	.089	< 1.000	15.00	< 1	5	3.81	7.
9096	D	55	S	1215	M	760224	.019	.419	.082	< 1.000	13.00	< 1	< 4	2.78	7.
9096	D	55	S	1235	M	760224	.022	.413	.081	< 1.000	13.00	< 1	8	8.83	7.
9099	D	55	S	1250	M	760224	.009	.416	.081	< 1.000	13.00	< 1	4	.68	7.
9105	D	55	S	1305	M	760224	.018	.419	.081	< 1.000	22.00	4	5	.93	7.
9114	D	55	S	1445	M	760224	.031	.422	.082	1.000	11.00	2	4	3.55	7.
9120	D	55	S	1450	M	760224	.020	.424	.084	1.000	14.00	3	< 4	8.83	7.
9123	D	55	S	1455	M	760224	.020	.421	.083	1.400	24.00	1	< 4	114.49	7.
9129	D	55	S	1500	M	760224	.039	.408	.081	1.100	15.00	1	< 4	3.19	7.
9135	D	55	S	1510	M	760224	.034	.415	.080	1.300	14.00	4	< 4	1.68	7.
9141	D	55	S	1530	M	760224	.032	.413	.078	< 1.000	16.00	3	< 4	1.36	7.
9147	D	55	S	1600	M	760224	.029	.410	.077	1.100	15.00	3	< 4	1.84	7.
9153	D	55	S	1645	M	760224	.031	.415	.080	1.100	14.00	2	< 4	2.03	7.
9023	D	55	B	0913	S	760224	.036	.410	.072	1.000	19.00	19	4	5.98	7.
9026	D	55	B	0925	S	760224	.020	.422	.074	1.600	21.00	2	< 4	8.53	7.
9029	D	55	B	0930	S	760224	.021	.418	.072	1.100	19.00	2	< 4	7.73	7.
9032	D	55	B	0936	S	760224	.008	.414	.082	< .000	35.00	2	< 4	219.00	7.
9035	D	55	B	0940	S	760224	.035	.417	.073	< .000	21.00	2	< 4	13.00	7.

ELLIOTT BAY SEAWATER

LAB NO.	SITE	DAY	DEPTH	TIME	SHIP	DATE	NH3 MG/L	NO2+NO3 MG/L	ORTHO-P MG/L	AG UG/L	AS UG/L	CR UG/L	CU UG/L	SUSPENDED SOLIDS MG/L	PH
9438	2	55	S	0950	S	760224	.057	.428	.091	< .600	29.30	2	< 4	275.00	7.4
9444	0	55	M	1010	S	760224	.056	.423	.090	< .600	21.00	2	< 4	46.13	7.4
9453	0	55	B	10-4	S	760224	.041	.417	.074	< .600	17.00	1	< 4	1.83	7.4
9459	0	55	B	1120	S	760224	.044	.408	.069	< .600	21.00	1	< 4	5.26	7.4
9465	0	55	B	1150	S	760224	.029	.411	.072	< .600	29.00	< 1	5	5.00	7.4
9471	0	55	B	1155	S	760224	.025	.412	.077	< 1.000	17.00	3	4	3.33	7.4
9477	0	55	B	1200	S	760224	.036	.414	.098	< 1.000	22.00	3	< 4	38.49	7.4
9485	0	55	B	1209	S	760224	.032	.422	.071	< 1.000	19.00	< 1	< 4	20.00	7.4
9489	0	55	B	1215	S	760224	.038	.411	.081	< 1.000	14.00	< 1	< 4	29.26	7.4
9495	0	55	B	1235	S	760224	.039	.410	.076	< 1.000	18.00	< 1	< 4	5.61	7.4
9504	0	55	B	1305	S	760224	.041	.415	.076	< 1.000	12.00	14	< 4	6.00	7.4
9	0	55	B	1350	S	760224	.015	.414	.078	< 1.000	21.00	3	4	11.50	7.4
9513	0	55	B	1444	S	760224	.025	.421	.079	1.200	13.00	2	5	7.72	7.4
9519	0	55	B	1450	S	760224	.053	.425	.080	< 1.000	21.00	4	< 4	8.00	7.4
9529	0	55	B	1455	S	760224	.034	.418	.095	1.300	22.00	3	< 4	90.63	7.4
9534	0	55	B	1500	S	760224	.058	.403	.092	1.500	23.00	3	5	120.37	7.4
9540	0	55	B	1510	S	760224	.006	.409	.076	1.600	24.00	3	< 4	70.12	7.4
9546	0	55	B	1530	S	760224	.059	.416	.086	1.100	31.00	3	5	82.98	7.4
9422	0	55	M	0903	S	760224	.006	.418	.078	.800	12.00	1	< 4	.87	7.4
9464	0	55	M	0925	S	760224	.009	.406	.077	1.000	14.00	< 1	< 4	.81	7.4
9528	0	55	M	0930	S	760224	.006	.417	.077	.800	12.00	2	< 4	.98	7.4
9434	0	55	M	0936	S	760224	.006	.416	.078	.800	13.00	< 1	< 4	.19	7.4
9436	0	55	M	0940	S	760224	.020	.419	.077	.800	12.00	2	< 4	2.36	7.4
9437	0	55	M	0950	S	760224	.008	.421	.081	.800	12.00	2	< 4	.46	7.4
9443	0	55	M	1010	S	760224	.004	.425	.085	.800	12.00	2	< 4	.16	7.4
9452	0	55	M	1040	S	760224	.019	.418	.075	.800	13.00	1	< 4	.55	7.4
9458	0	55	M	1100	S	760224	.009	.414	.078	.800	12.00	1	< 4	.20	7.4
9464	0	55	M	1110	S	760224	.014	.419	.078	.800	12.00	< 1	< 4	.29	7.4
9470	0	55	M	1155	S	760224	.020	.451	.095	1.000	11.00	< 1	< 4	1.72	7.4
9476	0	55	M	1200	S	760224	.008	.415	.077	1.000	11.00	2	< 4	1.19	7.4
9486	0	55	M	1209	S	760224	.014	.415	.078	1.000	12.00	< 1	5	1.42	7.4
9492	0	55	M	1215	S	760224	.009	.417	.080	1.000	12.00	< 1	< 4	.12	7.4
9496	0	55	M	1230	S	760224	.009	.418	.077	1.000	11.00	< 1	< 4	.23	7.4
9503	0	55	M	1305	S	760224	.019	.421	.080	1.000	13.00	3	5	2.50	7.4
9509	0	55	M	1350	S	760224	.022	.426	.096	1.000	12.00	3	6	.18	7.4
9512	0	55	M	1444	S	760224	.008	.419	.079	1.000	10.00	4	5	.92	7.4
9518	0	55	M	1450	S	760224	.039	.419	.068	1.400	21.00	3	< 4	13.33	7.4
9527	0	55	M	1455	S	760224	.045	.420	.072	1.500	17.00	2	< 4	11.29	7.4
9533	0	55	M	1500	S	760224	.049	.416	.071	1.500	17.00	2	< 4	12.11	7.4
9539	0	55	M	1510	S	760224	< .003	.431	.071	1.100	28.00	3	5	6.25	7.4
9545	0	55	M	1530	S	760224	.032	.419	.075	1.500	28.00	4	5	10.07	7.4
9421	0	55	S	0903	S	760224	.078	.421	.079	.300	22.00	< 1	< 4	1.45	7.4
9469	0	55	S	0925	S	760224	.055	.423	.080	1.100	22.00	< 1	< 4	1.67	7.4
9487	0	55	S	0930	S	760224	.051	.423	.079	1.000	15.00	4	< 4	1.44	7.4
9428	0	55	S	0936	S	760224	.023	.414	.078	2.700	16.00	< 1	4	10.83	7.4
9433	0	55	S	0940	S	760224	.048	.425	.079	< .600	14.00	< 1	< 4	3.52	7.4
9426	0	55	S	0950	S	760224	.045	.427	.075	< .600	19.00	< 1	< 4	1.26	7.4
9442	0	55	S	1010	S	760224	.076	.428	.085	< .600	22.00	< 1	< 4	1.94	7.4

ELLIOTT BAY SEAWATER

LAB NO.	SITE	DAY	DEPTH	TIME	SHIP	DATE	NH3 MG/L	NO2+NO3 MG/L	ORTHO-P MG/L	HG UG/L	NI UG/L	CR UG/L	AS UG/L	SUSSOLIDS MG/L	PH
9055	0	55	S	1048	S	760224	.076	.436	.090	< .600	23.00	2	< 4	3.16	7.5
9057	0	55	S	1120	S	760224	.057	.426	.082	< .600	20.00	< 1	< 4	2.30	7.5
9062	0	55	S	1150	S	760224	.050	.423	.079	< .600	20.00	< 1	< 4	1.32	7.6
9068	0	55	S	1155	S	760224	.0[illegible]	.421	.082	< 1.000	17.00	< 1	< 4	.35	7.7
9075	0	55	S	1200	S	760224	.043	.418	.081	< 1.000	16.00	3	< 4	.17	7.74
9084	0	55	S	1209	S	760224	.038	.417	.079	< 1.000	13.00	< 1	< 4	3.20	7.77
9087	0	55	S	1215	S	760224	.047	.425	.081	< 1.000	16.00	< 1	4	2.00	7.7
9092	0	55	S	1235	S	760224	.088	.425	.083	< 1.000	17.00	< 1	< 4	1.14	7.6
9102	0	55	S	1305	S	760224	-1.000	-1.000	-1.000	< 1.000	23.00	3	5	1.81	7.5
9106	0	55	S	1350	S	760224	.083	.434	.083	< 1.000	17.00	2	7	1.15	7.7
9111	0	55	S	1444	S	760224	.044	.427	.082	-1.000	15.00	3	6	1.3[illegible]	7.6
9117	0	55	S	1450	S	760224	.015	.422	.078	1.000	16.00	3	< 4	3.20	7.6
9126	0	55	S	1455	S	760224	.048	.427	.080	1.500	16.00	2	< 6	2.96	7.6
9132	0	55	S	1500	S	760224	.051	.401	.080	1.500	17.00	3	< 4	1.37	7.5
9138	0	55	S	1510	S	760224	.063	.404	.076	1.300	16.00	3	< 4	2.58	7.74
9144	0	55	S	1530	S	760224	.076	.405	.078	1.300	22.00	3	< 4	2.16	7.6
9190	0	57	B	0900	M	760226	.019	.413	.072	< 1.000	11.00	5	5	3.13	7.5
9176	0	57	B	0914	M	760226	.038	.409	.086	1.100	17.00	3	< 4	2.36	7.6
9175	0	57	B	0919	M	760226	.065	.406	.126	1.100	33.00	5	< 4	115.05	7.6
9181	0	57	B	0924	M	760226	.032	.412	.085	< 1.000	23.00	3	< 4	72.36	7.5
9189	0	57	B	0929	M	760226	.048	.423	.090	1.100	15.00	3	4	52.09	7.6
9195	0	57	B	0959	M	760226	.028	.413	.075	< 1.000	18.00	5	< 4	64.44	7.6
9204	0	57	B	1029	M	760226	.024	.406	.073	< 1.000	19.00	10	< 4	7.13	7.6
9211	0	57	B	1134	M	760226	.016	.410	.072	3.000	14.00	4	< 4	7.05	7.7
9221	0	57	B	1143	M	760226	.025	.419	.073	12.220	20.00	6	6	5.09	7.7
9227	0	57	B	1148	M	760226	.077	.431	.096	1.000	142.00	5	6	4.10	7.1
9233	0	57	B	1150	M	760226	.016	.437	.066	.500	26.00	5	< 4	61.[illegible]	7.7
9238	0	57	B	1210	M	760226	.027	.430	.067	< .400	20.00	4	< 4	3.05	7.7
9244	0	57	B	1240	M	760226	.019	.414	.074	.700	20.00	5	4	.42	7.6
9250	0	57	B	1333	M	760226	.007	.419	.082	.300	23.00	4	< 4	2.45	7.7
9253	0	57	B	1400	M	760226	.018	.408	.080	.300	22.00	4	5	1.70	7.6
9259	0	57	B	1405	M	760226	.425	.424	.200	.700	85.0*	5	< 4	1676.40	7.0
9268	0	57	B	1410	M	760226	.014	.424	.077	< 1.000	23.00	4	< 4	254.06	7.6
9273	0	57	B	1415	M	760226	.022	.404	.079	< 1.000	10.00	4	4	5.00	7.6
9294	0	57	B	1425	M	760226	.009	.394	.078	< 1.000	12.00	2	9	22.11	7.7
9336	0	57	B	1445	M	760226	-1.000	-1.000	.075	< 1.000	15.00	5	< 4	1.24	7.6
9296	0	57	B	1515	M	760226	.011	.394	.074	< 1.000	12.00	4	8	4.90	7.7
9334	0	57	B	1620	M	760226	.005	.408	.083	< 1.000	16.00	< 1	5	1.38	7.8
9206	0	57	M	0900	M	760226	.019	.406	.073	-1.000	10.00	3	< 4	.62	7.6
9207	0	57	M	0914	M	760226	.004	.400	.084	1.100	12.00	4	< 4	15.11	7.7
9174	0	57	M	0919	M	760226	.005	.411	.078	1.100	11.00	4	< 4	.35	7.6
9180	0	57	M	0924	M	760226	.006	.407	.079	< 1.000	12.00	3	< 4	1.12	7.72
9288	0	57	M	0939	M	760226	.019	.403	.095	< 1.000	14.00	3	< 4	33.20	7.7
9194	0	57	M	0959	M	760226	.004	.415	.079	< 1.000	18.00	5	< 4	73.26	7.6
9265	0	57	M	1029	M	760226	.008	.415	.077	< 1.000	14.00	4	< 4	42.86	7.6
9338	0	57	M	1114	M	760226	-1.000	-1.000	-1.000	< 1.000	16.00	5	< 4	1.71	7.6
9224	0	57	M	1143	M	760226	.015	.404	.074	< 1.000	12.00	3	6	1.66	7.7
9226	0	57	M	1148	M	760226	.024	.425	.064	7.100	20.00	4	5	3.56	7.77

ELLIOTT BAY SEAWATER

LAB NO.	SITE	DAY	DEPTH	TIME	SHIP	DATE	NH3 MG/L	NO2+NO3 MG/L	ORTHO-P MG/L	HG UG/L	MN UG/L	CR UG/L	AS UG/L	SUSSOLIDS MG/L	PH
9232	D	57	M	1158	H	760226	.009	.434	.071	< .400	16.00	5	< 4	.10	7.77
9237	D	57	M	1218	H	760226	.017	.438	.067	< .400	17.00	5	< 4	5.18	7.77
9243	D	57	M	1248	H	760226	.017	.409	.073	< .400	18.00	4	< 4	3.02	7.82
9290	D	57	M	1333	H	760226	.032	.399	.070	< 1.000	12.00	2	7	9.21	7.78
9252	D	57	M	1400	H	760226	.004	.404	.082	.200	11.00	3	6	.12	7.84
9258	D	57	M	1405	H	760226	.005	.418	.075	.500	14.00	4	< 4	.13	7.85
9267	D	57	M	1410	H	760226	.002	.423	.075	1.000	14.00	4	< 4	.82	7.79
9291	D	57	M	1415	H	760226	.004	.396	.077	< 1.000	10.00	2	7	.73	7.89
9293	D	57	M	1425	H	760226	.004	.399	.077	< 1.000	9.00	2	6	.73	7.80
9333	D	57	M	1445	H	760226	.005	.409	.083	< 1.000	15.00	4	< 4	.65	7.84
9336	D	57	M	1515	H	760226	.012	.402	.080	< 1.000	17.00	2	< 4	.46	7.80
9338	D	57	M	1620	H	760226	.013	.414	.084	< 1.000	15.00	2	< 4	1.08	7.81
9165	D	57	S	0900	H	760226	.017	.402	.095	1.100	11.00	3	< 4	1.60	7.45
9169	D	57	S	0914	H	760226	.013	.400	.089	1.300	< 2.60	4	< 4	2.60	7.67
9290	D	57	S	0919	H	760226	.032	.414	.086	8.700	11.00	6	5	36.86	7.72
9179	D	57	S	0924	H	760226	.044	.414	.083	< 1.000	11.00	3	< 4	7.16	7.70
9188	D	57	S	0939	H	760226	.012	.403	.078	1.100	10.00	2	5	13.88	7.62
9193	D	57	S	0959	H	760226	.018	.409	.081	< 1.000	9.00	3	< 4	8.06	7.74
9204	D	57	S	1029	H	760226	.013	.412	.079	< 1.000	13.00	5	< 4	8.14	7.76
9330	D	57	S	1114	H	760226	.054	.413	.085	< 1.000	21.00	4	6	2.34	7.81
9220	D	57	S	1143	H	760226	.030	.411	.083	< 1.000	17.00	4	< 4	2.88	7.77
9225	D	57	S	1148	H	760226	.024	.425	.077	-1.000	16.00	5	4	17.95	7.67
9231	D	57	S	1158	H	760226	.032	.436	.075	.600	14.00	5	< 4	3.55	7.81
9242	D	57	S	1218	H	760226	.013	.407	.083	.600	14.00	4	4	1.61	7.84
9248	D	57	S	1248	H	760226	.021	.413	.084	.500	17.00	5	5	1.45	7.84
9249	D	57	S	1333	H	760226	.028	.415	.085	.700	17.00	4	< 4	.10	7.85
9251	D	57	S	1400	H	760226	.042	.421	.087	.700	11.00	4	6	.14	7.81
9257	D	57	S	1405	H	760226	.018	.415	.080	.900	13.00	4	< 4	13.26	7.83
9266	D	57	S	1410	H	760226	.035	.413	.081	1.800	11.00	4	< 4	9.06	7.74
9272	D	57	S	1415	H	760226	.028	.402	.085	< 1.000	12.00	3	6	2.25	7.78
9292	D	57	S	1425	H	760226	.034	.401	.081	< 1.000	12.00	2	< 4	3.71	7.80
9332	D	57	S	1445	H	760226	.023	.404	-1.000	< 1.000	16.00	5	< 4	1.39	7.83
9335	D	57	S	1515	H	760226	.022	.405	.083	< 1.000	17.00	6	4	1.06	7.84
9337	D	57	S	1620	H	760226	.140	.438	.088	< 1.000	24.00	2	< 4	1.77	7.79
9168	D	57	B	0900	H	760226	.029	.360	.084	< 1.000	17.00	4	< 4	8.78	7.62
9173	D	57	B	0914	H	760226	.032	.416	.068	< 1.000	17.00	5	< 4	5.21	7.67
9178	D	57	B	0919	S	760226	.140	.405	.124	< 1.000	50.00	5	5	378.11	7.40
9184	D	57	B	0924	S	760226	.043	.408	.081	1.100	22.00	5	< 4	64.14	7.65
9187	D	57	B	0929	S	760226	.146	.405	.106	1.600	34.00	3	6	400.02	7.45
9192	D	57	B	0939	S	760226	.052	.405	.073	< 1.000	13.00	6	5	5.85	7.69
9198	D	57	B	0959	S	760226	.070	.410	.081	< 1.000	18.00	5	< 4	94.13	7.67
9203	D	57	B	1029	S	760226	.030	.411	.076	3.000	24.00	4	5	34.74	7.83
9209	D	57	B	1114	S	760226	.054	.405	.073	< 1.000	19.00	7	< 4	7.71	7.71
9213	D	57	B	1133	S	760226	.014	.404	.073	< 1.000	18.00	5	< 4	4.56	7.74
9216	D	57	B	1138	S	760226	.017	.406	.082	5.700	20.00	6	< 4	6.34	7.73
9219	D	57	B	1143	S	760226	.014	.407	.075	< 1.000	18.00	5	< 4	4.76	7.71
9224	D	57	B	1148	S	760226	.086	.438	.084	< 1.000	28.00	4	< 4	162.12	7.70
9230	D	57	B	1158	S	760226	.012	.435	.070	7.900	17.00	6	< 4	2.37	7.80

ELLIOTT BAY SEAWATER

LAB NO.	SITE	DAY	DEPTH	TIME	SHIP	DATE	NH3 MG/L	NO2+NO3 MG/L	ORTHO-P MG/L	HG UG/L	MN UG/L	CR UG/L	AS UG/L	SUSSOLIDS MG/L	P
9236	D	57	B	1218	S	760226	.016	.436	.064	.700	19.00	5	< 4	2.28	7.
9241	D	57	B	1248	S	760226	.026	.412	.074	.500	19.00	4	< 4	1.64	7.
9247	D	57	B	1333	S	760226	.016	.409	.078	3.000	20.00	4	4	2.24	7.
9256	D	57	B	1402	S	760226	.009	.421	.076	.800	13.00	4	4	.77	7.
9262	D	57	B	1407	S	760226	.019	.417	.058	< 1.000	17.00	3	< 4	3.88	7.
9265	D	57	B	1410	S	760226	.034	.422	.088	2.300	20.00	4	< 4	85.71	7.
9271	D	57	B	1415	S	760226	.048	.408	.102	1.400	16.00	4	5	98.60	7.
9276	D	57	B	1425	S	760226	.021	.406	.082	1.400	12.00	2	5	20.84	7.
9279	D	57	B	1445	S	760226	.014	.412	.077	1.100	8.00	3	4	1.46	7.
9282	D	57	B	1515	S	760226	.009	.405	.079	1.100	9.00	3	< 4	1.41	7.
9285	D	57	B	1600	S	760226	.006	.409	.078	< 1.000	9.00	3	4	.93	7.
9167	D	57	M	0900	S	760226	.005	.402	.088	1.100	11.00	3	< 4	.58	7.
9172	D	57	M	0914	S	760226	.003	.419	.076	< 1.000	11.00	4	< 4	2.30	7.
9177	D	57	M	0919	S	760226	.008	.408	.075	1.100	12.00	3	< 4	2.85	7.
9183	D	57	M	0924	S	760226	.005	.406	.078	< 1.000	10.00	3	4	1.79	7.
9186	D	57	M	0929	S	760226	.035	.404	.073	< 1.000	11.00	2	< 4	1.27	7.
9191	D	57	M	0939	S	760226	.030	.408	.080	< 1.000	11.00	3	5	6.51	7.
9197	D	57	M	0959	S	760226	.030	.413	.074	< 1.000	12.00	5	< 4	4.82	7.
9202	D	57	M	1029	S	760226	.013	.413	.075	< 1.000	16.00	5	< 4	.58	7.
9208	D	57	M	1114	S	760226	.025	.410	.080	< 1.000	16.00	6	4	11.85	7.
9212	D	57	M	1133	S	760226	.019	.406	.070	< 1.000	19.00	4	< 4	1.87	7.
9215	D	57	M	1138	S	760226	.012	.406	.072	< 1.000	17.00	4	4	1.26	7.
9218	D	57	M	1143	S	760226	.021	.409	.072	< 1.000	20.00	6	< 4	1.98	7.
9223	D	57	M	1148	S	760226	.018	.428	.073	< 1.000	17.00	4	5	.14	7.
9229	D	57	M	1158	S	760226	.012	.435	.070	1.000	16.00	4	< 4	1.86	7.
9235	D	57	M	1218	S	760226	.029	.435	.069	.500	18.00	5	< 4	2.41	7.
9240	D	57	M	1248	S	760226	.018	.409	.082	1.100	17.00	4	4	18.45	7.
9246	D	57	M	1333	S	760226	.040	.406	.079	3.000	17.00	5	< 4	.04	7.
9255	D	57	M	1402	S	760226	.005	.420	.080	1.000	13.00	3	6	.11	7.
9261	D	57	M	1407	S	760226	.005	.426	.075	< 1.000	12.00	4	< 4	12.94	7.
9264	D	57	M	1410	S	760226	.007	.423	.062	1.000	12.00	4	< 4	.57	7.
9270	D	57	M	1415	S	760226	.013	.414	.075	< 1.000	11.00	5	5	9.50	7.
9275	D	57	M	1425	S	760226	.007	.407	.060	< 1.000	10.00	3	5	1.38	7.
9278	D	57	M	1445	S	760226	.007	.408	.080	1.100	8.00	3	< 4	1.04	7.
9281	D	57	M	1515	S	760226	.009	.409	.079	1.600	8.00	3	< 4	1.50	7.
9284	D	57	M	1600	S	760226	.008	.412	.080	< 1.000	10.00	3	< 4	1.12	7.
9166	D	57	S	0900	S	760226	.009	.400	.090	< 1.000	10.00	4	< 4	.77	7.
9171	D	57	S	0914	S	760226	.006	.414	.076	< 1.000	10.00	3	< 4	.64	7.
9176	D	57	S	0919	S	760226	.003	.404	.078	< 1.000	10.00	3	< 4	.14	7.
9182	D	57	S	0924	S	760226	.008	.403	.081	< 1.000	12.00	3	< 4	18.61	7.
9185	D	57	S	0929	S	760226	.003	.396	.078	1.300	9.00	3	< 4	16.92	7.
9190	D	57	S	0939	S	760226	.053	.402	.088	1.600	11.00	3	5	13.10	7.
9196	D	57	S	0959	S	760226	.008	.407	.080	< 1.000	6.00	< 1	5	4.81	7.
9201	D	57	S	1029	S	760226	.012	.413	.081	< 1.000	13.00	3	< 4	16.24	7.
9207	D	57	S	1114	S	760226	.008	.405	.080	< 1.000	13.00	10	< 4	2.72	7.
9211	D	57	S	1133	S	760226	.006	.402	.079	< 1.000	13.00	4	< 4	1.02	7.
9214	D	57	S	1138	S	760226	.005	.403	.080	< 1.000	14.00	5	< 4	1.16	7.
9217	D	57	S	1143	S	760226	.008	.408	.080	< 1.000	14.00	4	4	5.52	7.

ELLIOTT BAY SEAWATER

LAB NO.	SITE	DAY	DEPTH	TIME	SHIP	DATE	NH3 MG/L	NO2+NO3 MG/L	ORTHO-P MG/L	HG UG/L	MN UG/L	CR UG/L	AS UG/L	SUSSOLIDS MG/L	PH
9222	D	57	S	1148	S	760226	.016	.412	.079	< 1.000	14.00	4	5	5.22	7.81
9228	D	57	S	1158	S	760226	.009	.424	.076	< 1.000	14.00	5	< 4	5.92	7.76
9234	D	57	S	1218	S	760226	.021	.441	.075	.500	16.00	5	< 4	1.65	7.80
9239	D	57	S	1248	S	760226	.027	.405	.089	< .400	14.00	4	< 4	1.95	7.89
9245	D	57	S	1333	S	760226	.034	.405	.081	.800	16.00	6	4	.04	7.86
9254	D	57	S	1402	S	760226	.015	.403	.084	.300	11.00	4	5	.64	7.86
9260	D	57	S	1407	S	760226	.022	.416	.081	< .200	10.00	3	< 4	1.08	7.85
9263	D	57	S	1410	S	760226	.009	.414	.076	1.400	12.00	3	< 4	2.74	7.81
9268	D	57	S	1415	S	760226	.010	.420	.077	< 1.000	11.00	3	4	.98	7.80
9274	D	57	S	1425	S	760226	.036	.393	.081	< 1.000	10.00	4	< 4	10.21	7.79
9277	D	57	S	1445	S	760226	.009	.405	.080	< 1.000	10.00	3	5	.87	7.82
9283	D	57	S	1515	S	760226	.008	.407	.080	1.100	6.00	3	< 4	.87	7.84
9283	D	57	S	1600	S	760226	.016	.403	.080	1.400	9.00	3	< 4	2.04	7.79

ELLIOTT BAY SEAWATER

LAB NO.	SITE	DAY	DEPTH	TIME	SHIP	DATE	NH3 MG/L	NO2+NO3 MG/L	ORTHO-P MG/L	HG UG/L	MN UG/L	CR UG/L	AS UG/L	SUSSOLIDS MG/L	PH
11376	D	67	S		S	760307	.130	.460	.079	< 1.000	39.00	2	< 4	1.30	7.82
11377	D	67	S		H	760307	.094	.443	.083	< 1.000	28.00	2	4	4.58	7.81
11378	D	67	M		H	760307	.013	.414	.080	< 1.000	13.00	2	4	2.36	7.90
11379	D	67	M		H	760307	.010	.412	.082	< 1.000	15.00	3	< 4	4.86	7.91
11380	D	67	B		H	760307	.010	.411	.076	< 1.000	19.00	2	< 4	1.61	7.91
11381	D	67	B		H	760307	.012	.415	.074	< 1.000	18.00	2	< 4	2.92	7.91
11382	D	67	S		H	760307	.045	.429	.079	< 1.000	20.00	2	< 4	2.73	7.92
11383	D	67	S		H	760307	.029	.416	.080	< 1.000	20.00	3	< 4	2.38	7.94
11384	D	67	M		H	760307	< .005	.405	.084	< 1.000	15.00	3	< 4	1.92	7.95
11385	D	67	M		H	760307	< .005	.414	.083	< 1.000	16.00	3	< 4	1.44	7.97
11386	D	67	B		H	760307	.005	.414	.074	< 1.000	18.00	3	< 4	1.33	7.96
11387	D	67	B		H	760307	.007	.421	.074	< 1.000	20.00	2	< 4	1.48	7.95
11388	A	67	S		H	760307	.086	.449	.073	< 1.000	40.00	2	< 4	.90	7.93
11389	A	67	M		H	760307	.004	.421	.077	< 1.000	15.00	2	6	.74	7.95
11390	A	67	B		H	760307	< .005	.424	.074	< 1.000	16.00	3	< 4	.78	7.96
11391	B	67	S		H	760307	.102	.459	.075	< 1.000	36.00	2	< 4	1.21	7.92
11392	B	67	M		H	760307	.005	.419	.075	< 1.000	17.00	2	< 4	1.83	7.95
11393	B	67	B		H	760307	.014	.419	.071	< 1.000	22.00	3	< 4	3.77	7.97
11394	44	67	S		H	760307	.137	.464	.069	< 1.000	47.00	2	< 4	1.56	7.97
11395	44	67	B		H	760307	.009	.422	.075	< 1.000	17.00	2	< 4	.72	8.00

ELLIOTT BAY SEAWATER

LAB NO.	SITE	DAY	DEPTH	TIME	SHIP	DATE	NH3 MG/L	NO2+NO3 MG/L	ORTHO-P MG/L	HG UG/L	MN UG/L	CR UG/L	AS UG/L	SUSSOLIDS MG/L	PH
12396	D	76	S		H	760316	.046	.424	.080	< 1.000	17.00	2	< 4	.45	8.02
12397	D	76	S		H	760316	.040	.425	.082	< 1.000	21.00	3	5	.93	7.99
12398	D	76	M		H	760316	< .005	.417	.075	< 1.000	17.00	2	4	.56	8.04
12399	D	76	M		H	760316	.004	.423	.075	< 1.000	20.00	5	< 4	1.20	8.04
12400	D	76	B		H	760316	.005	.407	.090	< 1.000	17.00	2	4	.76	8.04
12401	D	76	B		H	760316	.005	.409	.084	< 1.000	16.00	3	4	.12	8.04
12402	D	76	S		H	760316	.071	.420	.095	< 1.000	26.00	4	< 4	1.64	8.02
12403	D	76	S		H	760316	.056	.416	.090	< 1.000	20.00	3	< 4	1.25	7.99
12404	D	76	M		H	760316	< .005	.413	.083	< 1.000	16.00	3	4	.25	8.03
12405	D	76	M		H	760316	.004	.408	.084	< 1.000	14.00	2	< 4	.20	8.03
12406	D	76	B		H	760316	.005	.411	.084	< 1.000	14.00	2	< 4	.32	8.06
12407	D	76	B		H	760316	.007	.410	-1.000	< 1.000	13.00	3	< 4	.42	8.02
12408	A	76	S		H	760316	.013	.408	-1.000	< 1.000	15.00	2	< 4	1.38	8.04
12409	A	76	S		H	760316	.010	.413	.082	< 1.000	16.00	2	< 4	.37	8.03
12410	A	76	M		H	760316	.005	.410	.084	< 1.000	14.00	2	< 4	.62	8.03
12411	A	76	M		H	760316	.006	.413	.085	< 1.000	14.00	3	< 4	.77	8.05
12412	A	76	B		H	760316	.007	.414	.083	< 1.000	14.00	2	< 4	.61	8.06
12413	A	76	B		H	760316	.023	.418	.086	< 1.000	12.00	2	< 4	.36	8.05
12414	B	76	S		H	760316	.133	.436	.103	< 1.000	34.00	7	< 4	.80	8.04
12415	B	76	S		H	760316	.061	.424	.092	< 1.000	20.00	5	< 4	1.24	7.94
12416	B	76	M		H	760316	< .005	.426	.090	< 1.000	12.00	4	< 4	2.34	8.02
12417	B	76	M		H	760316	.004	.424	.084	< 1.000	10.00	3	4	1.08	8.03
12418	B	76	B		H	760316	.004	.425	.084	< 1.000	17.00	3	4	2.02	8.03
12419	B	76	B		H	760316	.302	.418	.082	.900	17.00	3	< 4	1.28	8.05
12420	44	76	S		H	760316	.121	.437	.100	< 1.000	32.00	5	< 4	1.46	7.98
12421	44	76	S		H	760316	.166	.449	.107	< 1.000	33.00	5	< 4	2.20	7.94
12422	44	76	M		H	760316	.009	.416	.081	< 1.000	5.00	3	< 4	.64	8.05
12423	44	76	M		H	760316	.015	.415	.080	< 1.000	6.00	3	< 4	.28	8.06
12424	44	76	B		H	760316	.001	.413	.088	< 1.000	9.00	4	< 4	1.33	8.05
12425	44	76	B		H	760316	.003	.416	.080	< 1.000	12.00	2	5	.77	8.06
12426	44	76	B		K	760316	.002	.410	.079	< 1.000	15.00	3	< 4	1.57	8.04
12427	48	76	S		K	760316	.025	.417	.078	< 1.000	15.00	2	< 4	2.65	8.05
12428	49	76	S		K	760316	.329	.479	.092	1.900	14.00	3	< 4	3.89	7.44
12429	49	76	B		K	760316	.363	.483	.096	1.700	17.00	4	< 4	9.25	7.46

ELLIOTT BAY SEAWATER

LAB NO.	SITE	DAY	DEPTH	TIME	SHIP	DATE	NH3 MG/L	NO2+NO3 MG/L	ORTHO-P MG/L	HG UG/L	MN UG/L	CR UG/L	AS UG/L	SUSSOLIDS MG/L	PH
15430	D	99	S		0	760408	.100	.341	.084	< 1.000	21.00	2	< 4	1.08	7.7
15431	D	99	S		0	760408	.036	.375	.081	< 1.000	8.00	5	< 4	1.54	7.8
15432	D	99	M		0	760408	.008	.382	.073	< 1.000	4.00	3	< 4	.53	7.8
15433	D	99	M		0	760408	.005	.407	.079	< 1.000	9.00	3	4	1.06	7.8
15434	D	99	B		0	760408	.024	.413	.081	< 1.000	9.00	4	4	[illegible]	7.8
15435	D	99	B		0	760408	.059	.419	.080	< 1.000	10.00	4	< 4	[illegible]	[illegible]
15436	D	99	S		0	760408	.031	.367	.080	< 1.000	9.00	3	< 4	1.86	7.8
15437	D	99	S		0	760408	.019	.376	.078	< 1.000	7.00	4	5	1.13	7.8
15438	D	99	M		0	760408	.007	.393	.076	< 1.000	5.00	3	4	.84	7.8
15439	D	99	M		0	760408	.001	.409	.079	< 1.000	9.00	2	< 4	.80	7.8
15440	D	99	B		0	760408	.011	.402	.083	< 1.000	8.00	3	< 4	1.05	7.8
15441	D	99	B		0	760408	.010	.414	.077	< 1.000	8.00	3	< 4	1.37	7.8
15442	A	99	S		0	760408	.014	.386	.075	< 1.000	7.00	3	4	.88	7.8
15443	A	99	S		0	760408	.016	.375	.075	< 1.000	7.04	3	5	.77	7.9
15444	A	99	M		0	760408	.005	.384	.075	< 1.000	4.00	3	< 4	.36	7.8
15445	A	99	M		0	760408	.016	.410	.076	< 1.000	7.00	2	< 4	.58	7.8
15446	A	99	B		0	760408	.007	.407	.078	< 1.000	5.00	3	< 4	.41	7.8
15447	A	99	B		0	760408	.007	.410	.077	< 1.000	6.00	4	4	.33	7.8
15448	B	99	S		0	760408	.091	.344	.087	< 1.000	9.00	3	< 4	2.24	7.9
15449	B	99	S		0	760408	.041	.373	.093	< 1.000	-1.00	3	< 4	3.18	7.8
15450	B	99	M		0	760408	.010	.401	.086	< 1.000	7.00	3	4	.52	7.8
15451	B	99	M		0	760408	.007	.397	.084	< 1.000	6.00	3	5	.46	7.8
15452	B	99	B		0	760408	.007	.397	.085	< 1.000	6.00	3	< 4	1.01	7.8
15453	B	99	B		0	760408	.010	.410	.085	< 1.000	6.00	3	< 4	1.04	7.8
15454	44	99	S		0	760408	.033	.369	.085	< 1.000	10.00	2	< 4	2.26	7.8
15455	44	99	S		0	760408	.128	.321	.090	< 1.000	8.00	2	< 4	1.01	7.9
15456	44	99	M		0	760408	.009	.384	.081	< 1.000	6.00	3	5	.93	7.8
15457	44	99	M		0	760408	.017	.370	.079	< 1.000	3.00	3	5	.93	7.8
15458	44	99	B		0	760408	.014	.385	.080	< 1.000	8.00	3	5	.40	7.8
15459	44	99	B		0	760408	.011	.379	.079	.900	8.00	2	< 4	.32	7.8

ELLIOTT BAY SEAWATER

LAB NO.	SITE	DAY	DEPTH	TIME	SHIP	DATE	NH3 MG/L	NO2+NO3 MG/L	ORTHO-P MG/L	HG UG/L	MN UG/L	CR UG/L	AS UG/L	SUSSOLIDS MG/L	PH
25460	A	170	S		K	760618	.147	.230	.085	.900	28.00	1	< 4	2.01	7.7
25461	A	170	S		K	760618	.142	.231	.080	1.800	22.00	< 1	< 4	1.92	7.7
25462	A	170	M		K	760618	.029	.285	.063	.900	8.00	< 1	5	.48	7.8
25463	A	170	M		K	760618	.029	.284	.062	< 1.000	8.00	2	< 4	.61	7.8
25464	A	170	B		K	760618	.029	.293	.064	< 1.000	12.00	1	< 4	.93	7.8
25465	A	170	B		K	760618	.028	.290	.063	< 1.000	10.00	1	< 4	.84	7.8
25466	D	170	S		K	760618	.116	.241	.074	2.300	22.00	< 1	< 4	1.24	7.8
25467	D	170	S		K	760618	.086	.247	.071	.900	16.00	< 1	< 4	.93	7.8
25468	D	170	M		K	760618	.028	.283	.062	.900	10.00	3	< 4	.70	7.9
25469	D	170	M		K	760618	.029	.277	.060	.900	7.00	< 1	< 4	.33	7.9
25470	D	170	B		K	760618	.029	.297	.065	< 1.000	14.00	1	5	3.94	7.8
25471	D	170	B		K	760618	.032	.294	.063	< 1.000	13.00	2	4	1.08	7.9
25472	A	170	S		K	760618	.041	.247	.058	< 1.000	12.00	< 1	4	.45	7.9
25473	A	170	S		K	760618	.038	.247	.057	< 1.000	12.00	1	< 4	.65	7.9
25474	A	170	M		K	760618	.029	.275	.057	< 1.000	9.00	2	5	.38	7.9
25475	A	170	M		K	760618	.030	.276	.058	< 1.000	12.00	< 1	< 4	.38	7.9
25476	A	170	B		K	760618	.025	.278	.056	< 1.000	12.00	1	4	.37	7.9
25477	A	170	B		K	760618	.027	.288	.059	< 1.000	9.00	1	5	.31	7.9
25478	B	170	S		K	760618	.054	.256	.065	< 1.000	14.00	1	< 4	.65	7.9
25479	B	170	S		K	760618	.047	.253	.063	< 1.000	13.00	< 1	< 4	.54	7.9
25480	B	170	M		K	760618	.023	.271	.059	< 1.000	8.00	1	< 4	.20	7.9
25481	B	170	M		K	760618	.026	.268	.060	< 1.000	9.00	1	5	.23	7.9
25482	B	170	B		K	760618	.027	.275	.061	< 1.000	9.00	< 1	6	.17	7.9
25483	B	170	B		K	760618	.030	.272	.059	< 1.000	9.00	3	6	.27	7.9
25484	44	170	S		K	760618	.061	.247	.064	< 1.000	17.00	2	< 4	.84	7.9
25485	44	170	S		K	760618	.036	.246	.059	< 1.000	11.00	3	6	.64	7.9
25486	44	170	M		K	760618	.025	.252	.056	< 1.000	13.00	1	7	.27	7.9
25487	44	170	M		K	760618	.030	.256	.057	< 1.000	11.00	2	8	.20	7.9
25488	44	170	B		K	760618	.031	.257	.056	< 1.000	11.00	1	< 4	.29	7.9
25489	44	170	B		K	760618	.027	.256	.057	< 1.000	12.00	1	7	.16	7.9

ELLIOTT BAY SEDIMENT DATA--BULK ANALYSIS(DRY WT. BASIS)

LAB NO.	SITE	DATE	%H2O	EH	SUL SUL	TOC	CR	AS	MN	HG	PB	FE	CD
					MG/KG	G/KG	MG/KG	MG/KG	MG/KG	UG/KG	MG/KG	MG/KG	MG/KG
6001	1A	760204	33.0	-62.0	38.0	30.6	47.0	< 59.7	320.0	1300.0	52.5	17400.0	< 4.0
6002	1B	760204	37.6	-112.0	87.5	24.7	51.0	< 59.9	304.0	3350.0	89.5	32700.0	1.5
6003	2A	760204	34.2	-112.0	67.0	24.8	50.0	< 58.3	418.0	2650.0	106.0	34500.0	2.5
6004	2B	760204	44.5	-142.0	40.0	15.6	60.0	62.2	344.0	4350.0	92.0	30700.0	2.0
6005	3A	760204	31.6	-142.0	53.0	14.4	57.5	115.0	410.0	23000.0	200.0	35200.0	1.5
6006	3B	760204	30.0	-72.0	41.0	22.7	70.0	166.0	-1.0	15000.0	362.0	40400.0	2.5
6007	4A	760204	37.9	-122.0	72.0	32.3	58.0	< 59.8	431.0	5300.0	208.0	32600.0	2.0
6008	4B	760204	41.1	-1.0	54.0	19.8	67.5	163.0	330.0	23000.0	166.0	33000.0	2.5
6009	5A	760204	24.2	-132.0	32.0	10.0	61.5	< 59.4	461.0	650.0	177.0	40300.0	2.5
6010	5B	760204	29.8	-1.0	37.0	21.5	42.5	< 59.6	412.0	-1.0	66.0	28300.0	2.0
6011	6A	760204	28.5	-122.0	70.0	17.4	47.5	< 58.4	371.0	-1.0	83.0	30200.0	2.5
6012	6B	760204	31.6	-132.0	40.0	20.9	54.5	< 59.1	444.0	43000.0	89.0	31100.0	2.0
6013	7A	760204	32.8	-182.0	19.0	19.6	69.0	< 23.1	725.0	12500.0	79.3	32600.0	.0
6014	7B	760204	36.2	-192.0	52.5	21.3	68.0	< 23.5	542.0	3200.0	130.0	33900.0	1.1
6015	8A	760204	28.9	-142.0	15.0	10.8	53.0	< 23.9	356.0	1350.0	69.6	31400.0	1.1
6016	8B	760204	35.8	-142.0	58.5	21.6	41.0	34.3	527.0	2900.0	98.0	59500.0	< 4.0
6017	9A	760204	28.3	-152.0	22.0	15.7	48.0	< 23.5	463.0	400.0	47.0	39500.0	< 4.0
6018	9B	760204	36.9	-152.0	18.0	15.9	53.0	< 23.8	374.0	600.0	48.0	41100.0	< 4.0
6019	10A	760204	25.3	-182.0	13.0	-1.0	21.0	-1.0	-1.0	3550.0	-1.0	-1.0	-1.0
6020	10B	760204	26.9	-172.0	83.0	15.3	63.0	< 23.9	373.0	7100.0	< 8.0	53800.0	-1.0
6021	11A	760204	25.8	-152.0	34.0	13.9	38.0	< 23.2	488.0	2550.0	17.0	29200.0	< 4.0
6022	11B	760204	30.2	-122.0	25.0	18.8	12.0	< 23.2	488.0	48300.0	< 12.0	42000.0	< 4.0
6023	12A	760204	37.4	-132.0	37.0	29.2	20.0	< 23.8	556.0	450.0	< 12.0	47700.0	< 4.0
6024	12B	760304	31.9	-110.0	28.0	8.7	20.0	< 23.5	469.0	850.0	17.0	38400.0	< 4.0
6025	13A	760204	25.2	-202.0	38.5	7.9	35.0	< 23.8	271.0	650.0	25.0	40500.0	< 4.0
6026	13B	760204	29.4	-142.0	52.0	8.9	30.0	< 23.5	441.0	450.0	40.9	21800.0	< 4.0
6027	14A	760204	30.3	-152.0	36.0	10.9	72.1	-1.0	632.0	950.0	77.2	31200.0	.0
6028	14B	760204	26.4	-142.0	20.0	9.9	71.8	54.0	737.0	750.0	377.0	36200.0	.2
6029	15A	760204	27.0	-142.0	16.0	7.9	43.9	11.0	567.0	< 350.0	69.7	31100.0	1.1
6030	15B	760204	28.6	-142.0	38.0	7.9	21.0	19.2	490.0	350.0	< 8.0	36000.0	< 4.0
6031	16A	760204	28.2	-202.0	41.5	13.7	92.5	22.2	500.0	350.0	168.0	31900.0	.5
6032	16B	760204	29.6	-142.0	19.0	9.9	103.0	15.4	300.0	< 250.0	55.8	32200.0	.0
6033	17A	760204	25.7	-142.0	13.0	13.7	100.0	19.4	603.0	350.0	67.8	25400.0	.6
6034	17B	760204	28.4	-202.0	13.0	15.9	76.0	10.9	536.0	300.0	67.5	27100.0	.0
6035	18A	760204	30.2	-182.0	24.0	16.9	64.0	< 22.4	380.0	< 200.0	< 56.9	25100.0	.0
6036	18B	760204	26.5	-142.0	14.0	7.7	90.0	26.7	517.0	300.0	72.0	26100.0	.7
6037	19A	760204	32.8	-172.0	17.0	18.9	81.6	< 24.4	540.0	850.0	203.3	31500.0	2.1
6038	19B	760204	40.0	-182.0	20.0	29.9	83.0	39.6	388.0	14800.0	136.0	31400.0	2.4
6039	20A	760204	29.8	-122.0	14.0	10.7	49.7	< 23.6	580.0	850.0	103.0	29500.0	2.4
6040	20B	760204	24.3	-122.0	22.5	34.2	56.7	< 24.2	192.0	1000.0	159.0	25200.0	2.1
6041	21	760204	41.0	-2.0	-1.0	26.0	60.6	< 24.2	566.0	6600.0	< 59.3	33400.0	2.3
6042	22	760204	35.3	60.0	165.0	27.9	51.1	< 24.3	657.0	300.0	60.9	33100.0	2.1
6043	23	760204	52.9	-100.0	433.0	32.6	72.9	< 24.0	659.0	4250.0	79.6	41300.0	3.0
6044	24	760204	51.9	-92.0	466.0	34.0	81.0	< 23.2	145.0	4950.0	< 61.3	38500.0	2.0
6045	25	760204	46.7	170.0	358.0	32.9	64.8	< 24.3	523.0	7000.0	83.5	39200.0	2.6
6046	26	760204	30.2	-92.0	147.0	66.8	39.0	< 24.2	530.0	100.0	< 12.0	36900.0	< 4.0
6047	27	760204	50.0	-140.0	893.0	29.0	64.0	< 23.4	420.0	300.0	52.0	43900.0	< 4.0
6048	28	760204	49.3	-90.0	338.0	28.0	70.5	< 24.4	631.0	500.0	83.2	36800.0	2.4
6049	29	760204	33.6	-42.0	658.0	26.0	57.0	< 23.5	430.0	400.0	< 12.0	39200.0	< 4.0
6050	30	760204	35.0	-82.0	49.0	25.0	61.0	< 23.9	522.0	3750.0	13.0	21400.0	< 4.0

**** -1=MISSING DATA ****

ELLIOTT BAY SEDIMENT DATA--BULK ANALYSIS(DRY WT. BASIS)

LABNO.	SITE	DATE	%H2O	EH	SOL SUL	TOC	CR	AS	MN	HG	PB	FE	CU
					MG/KG	G/KG	MG/KG	MG/KG	MG/KG	UG/KG	MG/KG	MG/KG	MG/KG
6051	31	760204	42.0	30.0	63.0	17.0	60.0	< 23.2	571.0	69000.0	120.0	34600.0	2.0
6052	32	760204	33.7	-10.0	184.0	31.9	61.0	< 23.6	172.0	94000.0	< 60.0	35200.0	1.6
6053	33	760204	32.9	-160.0	162.0	31.0	82.2	< 23.6	604.0	7500.0	252.0	55600.0	3.8
6054	34	760204	43.4	-100.0	-1.0	27.0	76.3	< 23.4	548.0	11600.0	258.0	48100.0	< 3.9
6055	35	760204	21.0	-10.0	51.0	12.9	87.3	< 23.6	642.0	7050.0	261.0	44400.0	< 3.7
6056	36	760204	46.5	-190.0	529.0	24.0	75.0	< 23.9	373.0	8200.0	30.0	55800.0	< 4.0
6057	37	760204	34.5	-120.0	140.0	17.0	42.0	< 24.0	420.0	7750.0	< 12.0	34500.0	< 4.0
6058	38	760204	27.4	10.0	17.0	< 4.0	109.0	< 24.0	570.0	3250.0	< 12.0	36700.0	< 4.0
6059	39	760204	34.0	80.0	-1.0	20.8	33.0	< 24.4	560.0	66500.0	15.0	36300.0	< 4.0

**** -1=MISSING DATA ****

F30

ELLIOTT BAY SEDIMENT DATA--BULK ANALYSIS(DRY WT. BASIS)

LABNO.	SITE	DATE	%H2O	EH	SOL SUL MG/KG	TOC G/KG	CR MG/KG	AS MG/KG	MN MG/KG	HG UG/KG
12100	1AT	760316	36.1	-82.0	66.5	17.8	74.0	29.4	430.0	850.0
12101	1AB	760316	30.5	-1.0	58.0	22.9	31.6	36.9	484.0	2950.0
12102	1BT	760316	39.6	-132.0	88.0	17.7	33.6	34.6	507.0	650.0
12103	1BB	760316	29.1	-1.0	68.0	15.9	22.5	40.3	520.0	7750.0
12104	2AT	760316	37.1	-132.0	105.0	13.8	31.5	< 23.9	430.0	1500.0
12105	2AB	760316	31.3	-1.0	41.0	28.9	66.0	30.0	440.0	1300.0
12106	2BT	760316	37.1	-162.0	111.0	18.9	35.9	-1.0	287.0	2550.0
12107	2BB	760316	28.6	-1.0	41.0	12.9	59.7	80.0	336.0	12800.0
12108	3AT	760316	37.0	-162.0	132.0	17.4	55.4	< 20.0	330.0	1600.0
12109	3AB	760316	29.9	-1.0	47.0	6.6	54.0	50.0	514.0	6900.0
12110	3BT	760316	34.7	-92.0	106.0	18.0	26.9	< 20.0	424.0	10300.0
12111	3BB	760316	28.8	-1.0	46.5	8.2	37.8	40.0	450.0	14700.0
12112	4AT	760316	39.3	-142.0	122.0	17.9	38.5	< 20.0	453.0	1700.0
12113	4AB	760316	32.0	-1.0	56.0	8.0	53.6	-1.0	405.0	11900.0
12114	4BT	760316	39.6	-1.0	123.0	18.0	25.1	< 20.0	371.0	1000.0
12115	4BB	760316	47.3	-1.0	91.0	40.0	35.5	< 20.0	448.0	2050.0
12116	5AT	760316	41.6	-152.0	246.0	26.0	41.1	< 20.0	429.0	1450.0
12117	5AB	760316	31.4	-1.0	153.0	27.0	34.6	30.0	436.0	800.0
12118	5BT	760316	35.2	-1.0	115.0	17.0	33.4	< 20.0	410.0	750.0
12119	5BB	760316	38.1	-1.0	141.0	40.8	32.9	30.0	384.0	2450.0
12120	6AT	760316	38.6	-142.0	78.0	25.2	36.6	30.0	417.0	2500.0
12121	6AB	760316	35.1	-1.0	64.0	20.6	47.5	29.5	500.0	950.0
12122	6BT	760316	45.2	-152.0	210.0	36.0	30.5	30.0	294.0	400.0
12123	6BB	760316	33.5	-1.0	189.0	12.0	53.0	20.0	395.0	350.0
12124	7AT	760316	35.6	-182.0	90.0	19.0	52.4	30.0	355.0	300.0
12125	7AB	760316	38.1	-1.0	273.0	-1.0	-1.0	-1.0	-1.0	-1.0
12126	7BT	760316	36.1	-192.0	73.0	59.0	48.0	20.0	442.0	1400.0
12127	7BB	760316	41.1	-1.0	149.0	38.0	64.5	30.0	386.0	700.0
12128	8AT	760316	30.6	-142.0	121.0	11.0	48.5	20.0	439.0	700.0
12129	8AB	760316	32.3	-1.0	102.0	6.9	44.0	20.0	506.0	500.0
12130	8BT	760316	38.8	-142.0	150.0	25.0	45.0	30.0	424.0	700.0
12131	8BB	760316	32.6	-1.0	49.0	10.6	61.4	30.0	520.0	1850.0
12132	9AT	760316	36.3	-152.0	135.0	17.0	47.0	30.0	390.0	650.0
12133	9AB	760316	27.5	-1.0	56.0	14.8	47.0	20.0	480.0	350.0
12136	10AT	760316	39.5	-182.0	273.0	-1.0	68.8	40.0	446.0	550.0
12137	10AB	760316	35.6	-1.0	216.0	43.0	74.0	-1.0	403.0	350.0
12138	10BT	760316	42.5	-172.0	112.0	31.0	62.0	40.0	414.0	650.0
12139	10BB	760316	42.3	-1.0	199.0	26.0	62.5	40.0	455.0	450.0
12140	11AT	760316	39.4	-172.0	178.0	29.0	61.0	40.0	430.0	550.0
12141	11AB	760316	47.0	-1.0	279.0	29.0	65.6	25.7	407.0	550.0
12142	11BT	760316	40.4	-152.0	209.0	49.0	53.8	-1.0	460.0	250.0
12143	11BB	760316	36.4	-1.0	202.0	15.9	48.5	26.1	384.0	2400.0
12144	12AT	760316	33.5	-122.0	131.0	39.0	52.0	22.4	400.0	< 250.0
12145	12AB	760316	28.0	-1.0	38.0	7.8	57.0	24.9	475.0	300.0
12146	12BT	760316	38.5	-102.0	153.0	17.0	80.0	21.9	470.0	300.0
12147	12BB	760316	26.0	-1.0	34.0	10.6	33.0	17.8	465.0	200.0
12148	13AT	760316	34.0	-112.0	78.0	14.9	51.0	24.7	385.0	650.0
12149	13AB	760316	25.6	-1.0	37.0	-1.0	-1.0	-1.0	-1.0	100.0

**** -1=MISSING DATA ****

ELLIOTT BAY SEDIMENT DATA--BULK ANALYSIS(DRY WT. BASIS)

LAB NO.	SITE	DATE	%H2O	EH	SUL SUL MG/KG	TOC G/KG	CR MG/KG	AS MG/KG	MN MG/KG	HG UG/KG
12150	13AT	760316	35.1	-202.0	89.0	18.9	59.6	22.2	500.0	900.0
12151	13BB	760316	24.9	-1.0	75.0	-1.0	-1.0	-1.0	-1.0	1400.0
12152	14AT	760316	39.6	-142.0	75.0	25.0	55.0	19.7	370.0	650.0
12153	14AA	760316	33.0	-1.0	108.0	9.9	57.2	27.0	432.0	500.0
12154	14BT	760316	34.4	-152.0	173.0	19.9	45.0	27.0	325.0	260.0
12155	14BB	760316	33.5	-1.0	137.0	26.0	61.0	52.7	465.0	300.0
12156	15AT	760316	-1.0	-142.0	58.0	13.9	59.2	31.0	480.0	150.0
12157	15AA	760316	27.0	-1.0	-1.0	10.9	58.5	17.1	504.0	< 150.0
12158	15BT	760316	27.2	-142.0	105.0	16.9	87.6	17.5	480.0	300.0
12159	15BB	760316	32.8	-1.0	105.0	18.0	35.5	7.9	400.0	< 250.0
12160	16AT	760316	34.9	-142.0	97.0	14.9	62.5	17.8	450.0	< 200.0
12161	16AA	760316	21.3	-1.0	97.0	< 10.0	113.0	< 23.6	520.0	< 200.0
12162	16BT	760316	32.9	-142.0	101.0	19.0	57.7	< 22.8	417.0	300.0
12163	16BB	760316	22.6	-1.0	29.0	< 10.0	56.0	< 24.0	408.0	< 200.0
12164	17AT	760316	24.4	-1.0	41.0	18.6	64.2	< 22.9	362.0	< 150.0
12166	17BT	760316	26.8	-1.0	36.0	10.0	88.5	< 23.4	367.0	150.0
12168	18AT	760316	-1.0	-182.0	33.0	< 10.0	96.0	< 24.5	420.0	200.0
12170	18BT	760316	29.4	-142.0	39.0	13.9	74.5	< 22.1	403.0	< 200.0
12172	19AT	760316	39.4	-172.0	88.0	19.9	77.0	< 22.7	421.0	2210.0
12174	19BT	760316	30.0	-182.0	88.0	19.9	71.4	< 23.9	406.0	600.0
12176	20AT	760316	31.2	-122.0	51.0	9.8	86.0	< 22.9	373.0	350.0
12178	20BT	760316	32.0	-122.0	76.0	19.1	58.3	< 23.3	346.0	500.0

**** -1=MISSING DATA ****

ELLIOTT BAY SEDIMENT DATA--BULK ANALYSIS(DRY WT. BASIS)

LAB#No.	SITE	DATE	WH2O	EH	SUL	SUL	TOC	CH	AS	HG
					MG/G	G/KG	MG/KG	MG/KG	MG/KG	UG/KG
15140	1AT	760408	38.3	5.0	156.0	21.9	71.5	< 22.1	357.0	800.0
15141	1AB	760408	35.5	-1.0	59.0	15.0	196.0	< 24.1	355.0	1600.0
15142	1BT	760408	41.6	-85.0	145.0	27.0	49.5	< 24.3	472.0	< 3500.0
15143	1BB	760408	31.9	-1.0	59.0	14.9	42.6	< 23.6	375.0	1250.0
15144	2AT	760408	36.5	-55.0	103.0	22.9	56.5	< 23.4	442.0	< 600.0
15145	2AB	760408	28.1	-1.0	48.0	12.6	47.5	26.0	423.0	6150.0
15146	2BT	760408	35.2	-65.0	109.0	11.8	49.1	< 24.0	396.0	1500.0
15147	2BB	760408	32.1	-1.0	38.0	11.8	73.0	< 23.9	428.0	950.0
15148	3AT	760408	50.1	-55.0	81.0	11.8	49.4	< 23.3	437.0	1700.0
15149	3AB	760408	38.9	-1.0	43.0	10.1	55.5	< 23.1	466.0	2450.0
15110	3BT	760408	8.6	-55.0	53.0	13.5	56.5	< 23.8	695.0	750.0
15111	3BB	760408	26.6	-1.0	35.0	14.5	73.4	< 23.3	429.0	7650.0
15112	4AT	760408	44.3	-65.0	145.0	10.8	69.8	< 23.3	325.0	1300.0
15113	4AB	760408	39.5	-1.0	105.0	12.9	74.5	< 23.6	385.0	20000.0
15114	4BT	760408	40.5	-55.0	142.0	18.9	60.6	< 23.8	180.0	400.0
15115	4BB	760408	36.5	-1.0	88.0	10.8	76.1	< 23.5	363.0	5500.0
15116	5AT	760408	35.2	-85.0	91.0	14.8	51.0	< 23.6	212.0	650.0
15117	5AB	760408	28.9	-1.0	72.0	9.8	51.0	< 23.4	231.0	3000.0
15118	5BT	760408	38.2	-85.0	127.0	14.0	57.5	< 23.8	389.0	800.0
15119	5BB	760408	25.2	-1.0	56.0	9.8	57.6	< 23.7	474.0	500.0
15120	6AT	760408	36.7	-25.0	155.0	33.0	66.4	< 24.0	398.0	400.0
15121	6AB	760408	30.2	-1.0	52.0	< 10.0	56.6	< 23.7	298.0	300.0
15122	6BT	760408	37.1	-75.0	112.0	29.0	51.3	< 23.7	367.0	300.0
15123	6BB	760408	27.6	-1.0	72.0	14.0	58.9	< 23.8	473.0	700.0
15124	7AT	760408	42.3	-105.0	222.0	50.0	50.8	< 24.0	497.0	600.0
15125	7AB	760408	36.0	-1.0	178.0	19.9	55.4	< 23.7	386.0	500.0
15126	7BT	760408	47.9	-105.0	230.0	29.0	67.3	< 23.9	488.0	600.0
15127	7BB	760408	47.4	-1.0	175.0	31.0	115.0	< 23.5	490.0	1050.0
15128	8AT	760408	25.9	-85.0	110.0	17.0	52.4	< 23.7	444.0	1200.0
15129	8AB	760408	35.2	-1.0	60.0	20.0	64.5	< 23.2	535.0	585.0
15130	8BT	760408	35.3	-55.0	128.0	15.0	78.9	< 22.9	439.0	450.0
15131	8BB	760408	33.2	-1.0	47.0	14.6	64.5	< 23.6	522.0	3900.0
15132	9AT	760408	32.6	-45.0	104.0	19.0	53.9	< 23.8	368.0	350.0
15133	9AB	760408	-1.0	-1.0	-1.0	17.3	73.4	< 24.2	239.0	-1.0
15134	9BT	760408	35.5	-85.0	135.0	-1.0	-1.0	-1.0	-1.0	400.0
15135	9BB	760408	24.9	-1.0	27.0	< 10.0	69.4	< 23.4	540.0	300.0
15136	10AT	760408	37.0	-95.0	134.0	19.0	67.7	< 22.7	413.0	300.0
15137	10AB	760408	39.0	-1.0	138.0	15.0	82.7	< 23.6	377.0	500.0
15138	10BT	760408	36.0	-105.0	134.0	24.0	71.5	< 24.5	382.0	300.0
15139	10BB	760408	23.3	-1.0	27.0	< 10.0	69.1	34.1	512.0	350.0
15140	11AT	760408	49.3	-95.0	225.0	40.5	78.8	< 22.5	472.0	600.0
15141	11AB	760408	48.0	-1.0	253.0	38.7	86.3	< 23.8	443.0	700.0
15142	11BT	760408	46.0	-75.0	150.0	37.0	114.0	< 24.4	525.0	750.0
15143	11BB	760408	29.6	-1.0	90.0	21.0	224.0	< 23.9	474.0	< 70.0
15144	12AT	760408	44.9	-85.0	162.0	17.0	51.3	< 24.0	461.0	400.0
15145	12AB	760408	26.4	-1.0	60.0	26.8	43.9	< 23.9	517.0	300.0
15146	12BT	760408	26.6	-95.0	168.0	17.0	65.8	< 23.2	543.0	350.0
15147	12BB	760408	26.5	-1.0	40.0	26.0	42.5	< 22.9	367.0	300.0
15148	13AT	760408	32.0	-75.0	85.0	22.9	49.0	< 23.7	458.0	700.0
15149	13AB	760408	25.8	-1.0	39.0	13.0	50.1	< 24.1	436.0	1250.0

**** -1=MISSING DATA ****

ELLIOTT BAY SEDIMENT DATA--BULK ANALYSIS(DRY WT. BASIS)

LAB#&D.	SITE	DATE	WH2O	EH	SOL SUL MG/KG	TOC G/KG	CR MG/KG	AS MG/KG	MN MG/KG	HG UG/KG
15150	13BT	760408	35.0	-95.0	158.0	16.0	54.5	< 22.7	543.0	780.0
15151	13BH	760408	21.1	-1.0	39.0	6.8	46.9	< 23.2	569.0	550.0
15152	14AT	760408	29.0	-95.0	93.0	46.9	46.0	< 24.5	541.0	100.0
15153	14AH	760408	37.0	-1.0	138.0	24.9	93.4	< 23.1	628.0	2100.0
15154	14BT	760408	35.0	-115.0	137.0	19.0	74.5	< 23.0	478.0	280.0
15155	14BB	760408	31.2	-1.0	55.0	15.0	61.2	< 23.5	550.0	350.0
15156	15AT	760408	35.7	-105.0	92.0	22.0	49.8	< 23.0	450.0	300.0
15157	15AH	760408	32.5	-1.0	78.0	21.0	68.7	< 24.1	576.0	580.0
15158	15BT	760408	36.5	-125.0	122.0	24.0	56.2	< 23.2	472.0	480.0
15159	15BB	760408	31.1	-1.0	74.0	16.9	62.5	< 22.9	434.0	650.0
15160	16AT	760408	41.8	-95.0	150.0	17.4	78.3	< 24.2	530.0	600.0
15161	16AH	760408	34.4	-1.0	54.0	16.5	48.9	< 23.2	571.0	1750.0
15162	16BT	760408	35.0	-85.0	60.0	36.9	64.2	< 23.4	525.0	550.0
15163	16BB	760408	25.3	-1.0	29.0	10.0	38.9	< 23.7	512.0	480.0
15164	17AT	760408	27.3	-95.0	28.0	14.0	72.5	< 23.4	518.0	550.0
15165	17AH	760408	23.4	-1.0	10.0	< 10.0	56.1	< 24.0	442.0	300.0
15166	17BT	760408	29.4	-115.0	19.0	< 10.0	65.5	< 24.3	424.0	500.0
15167	17BB	760408	25.2	-1.0	28.0	< 10.0	69.6	< 23.5	437.0	300.0
15168	18AT	760408	31.3	-105.0	48.0	18.9	76.2	< 24.0	449.0	800.0
15169	18AH	760408	26.0	-1.0	27.0	14.9	79.0	< 23.4	454.0	400.0
15170	18BT	760408	36.3	-85.0	28.0	14.9	87.5	< 23.9	453.0	600.0
15171	18BB	760408	29.0	-1.0	38.0	< 10.0	67.3	< 23.6	487.0	400.0
15172	19AT	760408	40.3	-95.0	44.0	18.9	87.2	< 23.8	485.0	3200.0
15173	19AB	760408	37.2	-1.0	50.0	19.9	60.9	< 23.9	470.0	1400.0
15174	19BT	760408	44.4	-45.0	71.0	22.9	62.7	< 23.8	472.0	2560.0
15175	19BB	760408	41.1	-1.0	72.0	17.9	50.2	< 23.9	466.0	2000.0
15176	20AT	760408	45.6	-125.0	57.0	13.0	61.1	< 23.7	458.0	3400.0
15177	20AB	760408	34.6	-1.0	66.0	16.9	56.5	< 23.8	462.0	600.0
15178	20BT	760408	45.6	-135.0	121.0	24.8	51.9	< 23.9	438.0	2700.0
15179	20BB	760408	41.4	-1.0	167.0	15.9	50.7	< 23.8	450.0	3400.0

**** -IMISSING DATA ****

ELLIOTT BAY SEDIMENT DATA--BULK ANALYSIS(DRY WT. BASIS)

LAB#D.	SITE	DATE	%H2O	EH	SOL. SUL	TOC	CR	AS	MN	HG
					MG/KG	G/KG	MG/KG	MG/KG	MG/KG	UG/KG
25140	1AT	760618	38.6	270.0	125.0	18.0	50.9	< 24.4	462.0	500.0
25141	1AB	760618	34.2	75.0	78.0	27.0	60.2	< 24.1	524.0	1200.0
25142	1BT	760618	34.2	290.0	138.0	25.9	52.7	< 24.0	460.0	400.0
25143	1BB	760618	33.4	55.0	69.0	19.7	55.2	< 24.1	517.0	1300.0
25144	2AT	760618	41.3	265.0	146.0	23.9	55.3	< 23.3	399.0	1250.0
25145	2AB	760618	29.8	235.0	67.0	9.9	56.4	< 23.9	430.0	200.0
25146	2BT	760618	50.0	30.0	325.0	31.9	61.8	< 23.9	461.0	800.0
25147	2BB	760618	45.0	20.0	274.0	50.0	56.8	< 23.4	422.0	300.0
25148	3AT	760618	31.0	105.0	111.0	19.8	47.5	< 23.9	406.0	9500.0
25149	3AB	760618	28.7	-105.0	58.0	35.6	81.9	< 23.9	403.0	1700.0
25110	3BT	760618	33.2	290.0	151.0	24.0	32.5	< 24.1	482.0	450.0
25111	3BB	760618	28.9	45.0	29.0	12.9	32.7	< 23.9	463.0	3500.0
25112	4AT	760618	49.7	245.0	148.0	19.0	35.6	< 23.8	410.0	3600.0
25113	4AB	760618	27.7	-155.0	78.0	7.8	38.1	< 24.3	436.0	1250.0
25114	4BT	760618	59.5	435.0	167.0	21.0	41.1	< 24.5	427.0	600.0
25115	4BB	760618	33.4	-5.0	91.0	19.3	38.4	< 24.4	401.0	6000.0
25116	5AT	760618	38.2	-60.0	156.0	27.0	34.6	< 23.6	422.0	200.0
25117	5AB	760618	29.8	75.0	81.0	21.8	34.7	< 23.7	443.0	100.0
25118	5BT	760618	37.9	145.0	137.0	21.9	32.7	< 23.8	384.0	< 200.0
25119	5BB	760618	35.5	5.0	160.0	32.3	32.6	< 23.6	461.0	1700.0
25120	6AT	760618	36.6	-5.0	172.0	29.0	37.0	< 23.7	479.0	< 200.0
25121	6AB	760618	34.4	-55.0	146.0	< 10.7	87.6	< 23.7	567.0	2750.0
25122	6BT	760618	41.0	10.0	171.0	26.0	121.0	24.4	460.0	200.0
25123	6BB	760618	29.8	-35.0	73.0	21.9	80.1	28.1	532.0	350.0
25124	7AT	760618	46.3	-5.0	142.0	28.0	61.4	24.4	475.0	200.0
25125	7AB	760618	45.9	-80.0	278.0	35.0	89.0	30.3	461.0	500.0
25126	7BT	760618	38.3	-125.0	161.0	20.0	317.0	< 23.9	480.0	< 200.0
25127	7BB	760618	35.5	-135.0	147.0	27.0	52.2	< 23.5	445.0	250.0
25128	8AT	760618	38.5	-60.0	127.0	29.0	106.0	27.3	449.0	200.0
25129	8AB	760618	36.9	-45.0	162.0	16.5	136.0	< 23.7	524.0	1900.0
25130	8BT	760618	38.3	-35.0	129.0	19.0	216.0	26.6	491.0	200.0
25131	8BB	760618	35.4	30.0	95.0	27.0	52.5	25.6	553.0	300.0
25132	9AT	760618	38.6	130.0	190.0	23.0	54.5	32.6	446.0	1700.0
25133	9AB	760618	34.1	70.0	56.0	17.0	61.5	34.4	536.0	400.0
25134	9BT	760618	37.1	30.0	172.0	22.0	55.5	< 23.8	495.0	< 200.0
25135	9BB	760618	38.9	15.0	151.0	< 27.0	77.7	< 23.7	576.0	1550.0
25136	10AT	760618	38.9	100.0	151.0	28.0	71.3	< 23.7	526.0	< 200.0
25137	10AB	760618	38.9	-80.0	290.0	23.0	50.0	33.7	473.0	200.0
25138	10BT	760618	36.2	45.0	156.0	23.0	56.0	< 23.3	507.0	200.0
25139	10BB	760618	34.7	-55.0	156.0	-1.0	-1.0	-1.0	-1.0	< 250.0
25140	11AT	760618	36.6	-20.0	232.0	28.5	71.4	35.7	463.0	< 300.0
25141	11AB	760618	48.3	-65.0	333.0	41.0	63.0	34.7	505.0	300.0
25142	11BT	760618	44.1	55.0	198.0	24.0	51.0	23.4	471.0	< 350.0
25143	11BB	760618	49.6	-85.0	474.0	42.0	49.0	34.6	458.0	400.0
25144	12AT	760618	36.8	25.0	174.0	21.0	39.0	< 23.7	470.0	< 250.0
25145	12AB	760618	28.2	-65.0	106.0	15.9	55.6	< 24.0	536.0	300.0
25146	12BT	760618	39.3	-45.0	87.0	11.0	47.5	< 23.5	466.0	< 250.0
25147	12BB	760618	30.8	-15.0	93.0	17.0	33.0	< 23.8	491.0	< 150.0
25148	13AT	760618	33.3	35.0	73.0	25.0	44.0	< 23.2	542.0	300.0
25149	9	0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0

**** -1=MISSING DATA ****

ELLIOTT BAY SEDIMENT DATA--BULK ANALYSIS(DRY WT. BASIS)

LABNO.	SITE	DATE	%H2O	EH	SOL SUL MG/KG	TOC G/KG	CR MG/KG	AS MG/KG	MN MG/KG	HG UG/KG
25150	13BT	760618	31.1	140.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
25151	13BB	760618	-1.0	-1.0	-1.0	13.7	34.5	25.9	450.0	-1.0
25152	14AT	760618	41.9	125.0	167.0	26.9	83.3	28.4	421.0	< 300.0
25153	14AB	760618	28.9	15.0	51.0	18.9	171.0	174.0	490.0	550.0
25154	14BT	760618	42.3	25.0	178.0	19.0	39.4	24.9	435.0	< 350.0
25155	14BB	760618	26.8	-75.0	92.0	23.6	64.4	26.8	465.0	800.0
25156	15AT	760618	39.8	260.0	174.0	25.7	38.5	< 26.3	414.0	< 250.0
25157	15AB	760618	25.9	40.0	51.0	8.7	50.0	26.3	585.0	300.0
25158	15BT	760618	31.9	135.0	148.0	25.0	43.0	34.3	451.0	400.0
25159	15BB	760618	22.5	45.0	39.0	29.9	28.5	< 21.7	490.0	< 300.0
25160	16AT	760618	39.7	95.0	144.0	19.0	41.0	31.7	439.0	< 300.0
25161	16AB	760618	29.1	15.0	-1.0	35.9	36.0	20.0	522.0	< 300.0
25162	16BT	760618	24.3	85.0	160.0	23.0	47.5	-1.0	470.0	300.0
25163	16BB	760618	25.7	-1.0	104.0	8.9	40.0	< 22.0	536.0	250.0
25164	17AT	760618	25.1	365.0	44.0	10.9	105.0	< 22.7	437.0	450.0
25165	17AB	760618	27.9	235.0	66.0	< 15.9	91.1	< 20.0	362.0	< 300.0
25166	17BT	760618	24.2	175.0	88.0	< 10.9	87.5	< 22.7	306.0	< 300.0
25167	17BB	760618	21.0	145.0	24.0	< 7.0	90.0	< 24.9	344.0	< 200.0
25168	18AT	760618	27.8	375.0	94.0	11.6	64.1	< 20.1	377.0	< 250.0
25169	18AB	760618	26.1	145.0	82.0	9.0	86.6	< 20.3	376.0	< 250.0
25170	18BT	760618	29.4	305.0	25.0	20.0	70.0	< 25.8	360.0	250.0
25171	18BB	760618	29.2	105.0	76.0	< 27.0	83.0	< 25.0	335.0	300.0
25172	19AT	760618	36.1	-1.0	77.0	30.0	56.0	< 25.7	356.0	3000.0
25173	19AB	760618	38.8	170.0	178.0	22.0	49.0	< 23.6	404.0	2150.0
25174	19BT	760618	35.1	225.0	63.0	46.0	57.5	< 26.1	309.0	3650.0
25175	19BB	760618	40.3	180.0	96.0	38.7	71.6	< 26.5	333.0	2500.0
25176	20AT	760618	35.0	165.0	51.0	24.7	51.5	26.9	357.0	1900.0
25177	20AB	760618	34.0	-10.0	106.0	16.3	56.5	34.5	344.0	1250.0
25178	20BT	760618	32.6	125.0	116.0	14.5	50.0	< 25.8	353.0	5100.0
25179	20BB	760618	39.1	100.0	33.0	37.0	67.0	< 20.0	379.0	700.0

**** -1=MISSING DATA ****

ELLIOTT BAY SEDIMENT DATA--INTERSTITIAL WATER

LAB NO.	SITE	DATE	NH3 MG/L		ORTHO-P MG/L	CR UG/L	HG UG/L	MN MG/L	PH	AS UG/L	CD UG/L	PB UG/L
6001	1A	760204	4.18		1.100	20	8.5	1.180	7.39	9	-1.00	-1
6002	1B	760204	2.95		.170	12	4.8	1.140	7.53	7	1.00	20
6003	2A	760204	2.73		.825	24	12.2	1.280	7.56	10	.64	40
6004	2B	760204	1.38		.185	20	4.2	.971	7.53	7	1.20	15
6005	3A	760204	3.56		.615	50	3.3	1.470	7.72	10	1.93	200
6006	3B	760204	2.01		.155	8	9.3	2.500	7.56	6	1.08	15
6007	4A	760204	2.91		.600	25	7.6	.718	7.62	5	3.60	39
6008	4B	760204	2.37		.160	6	10.5	.681	7.78	13	2.00	6
6009	5A	760204	3.26		.595	45	11.6	.788	7.58	7	2.16	150
6010	5B	760204	1.79		.095	6	16.2	.663	7.69	8	.20	4
6011	6A	760204	5.04		.755	49	27.3	1.600	7.52	14	1.56	200
6012	6B	760204	3.01		.060	8	20.4	3.200	7.43	11	1.76	4
6013	7A	760204	1.20		.190	5	16.4	1.200	7.51	20	.86	17
6014	7B	760204	2.25		.080	6	9.7	.715	7.50	11	.52	7
6015	8A	760204	.79		.145	9	16.8	.412	7.58	17	.95	20
6016	8B	760204	1.71		.115	13	9.3	.658	7.68	14	3.67	19
6017	9A	760204	5.82		.400	17	10.7	.472	7.57	23	1.16	37
6018	9B	760204	1.58		.060	9	17.3	2.900	7.37	11	1.54	12
6019	10A	760204	2.99		.190	7	23.4	2.600	7.95	17	2.09	8
6020	10B	760204	1.57		.070	12	23.6	1.030	7.96	21	1.00	11
6021	11A	760204	.98		.140	11	25.4	2.300	7.76	19	.52	6
6022	11B	760204	.49		.070	13	23.5	.542	7.94	11	.38	7
6023	12A	760204	1.30		.350	10	4.0	.989	8.04	16	.48	6
6024	12B	760204	.92		.100	9	11.9	.385	7.88	15	1.48	4
6025	13A	760204	1.98		.090	5	7.0	.867	7.52	17	.38	2
6026	13B	760204	1.55		.250	6	8.0	.744	7.52	23	.13	2
6027	14A	760204	1.63		.130	6	8.0	.562	7.66	19	.10	2
6028	14B	760204	1.65		.230	7	6.0	2.900	7.72	45	.28	4
6029	15A	760204	3.37		.070	9	8.0	.888	7.59	22	1.10	8
6030	15B	760204	1.34		.130	6	7.0	1.800	7.49	17	.68	8
6031	16A	760204	.31		.220	9	8.0	.747	7.55	15	.33	4
6032	16B	760204	.51		.100	10	6.0	.787	7.39	14	.15	2
6033	17A	760204	3.55		.210	9	6.0	.418	7.61	31	2.60	5
6034	17B	760204	1.46		.150	13	10.0	.276	7.60	22	.31	2
6035	18A	760204	.88		.240	11	8.0	.854	7.47	18	.25	9
6036	18B	760204	2.04		.210	5	10.0	.702	7.46	18	.13	2
6037	19A	760204	1.23		2.980	4	1.0	.810	7.35	26	.73	4
6038	19B	760204	1.81		.260	3	1.0	.400	7.28	12	.41	< 2
6039	20A	760204	.58		.220	2	1.0	.690	7.28	21	8.28	5
6040	20B	760204	.93		.070	3	-1.0	.780	7.50	11	.10	6
6041	21	760204	11.50		.180	5	10.0	1.300	7.08	21	.37	18
6042	22	760204	9.25	<	.050	4	1.0	9.700	6.96	19	1.20	12
6043	23	760204	10.00		.100	3	1.0	.840	6.87	10	.39	6
6044	24	760204	29.00	<	.050	5	1.0	4.100	6.82	16	.40	7
6045	25	760204	36.00	<	.050	5	1.0	2.900	7.04	18	.50	11
6046	26	760204	.65	<	.050	6	2.0	-1.000	7.55	-1	-1.00	-1
6047	27	760204	35.20		.050	10	1.0	1.000	7.23	14	-1.00	-1
6048	28	760204	28.20	<	.050	6	-1.0	7.500	7.01	15	.32	2
6049	29	760204	10.50		.320	8	8.0	1.000	7.14	34	.19	2
6050	30	760204	11.20		.190	7	7.0	.804	7.23	31	.29	-1

**** -1=MISSING DATA ****

ELLIOTT BAY SEDIMENT DATA--INTERSTITIAL WATER

LAB NO.	SITE	DATE	NH3 MG/L		ORTHO-P MG/L	CR UG/L	MG UG/L	MN MG/L	PH	AS UG/L	CD UG/L	PB UG/L
6051	31	760204	7.50		1.690	11	8.0	1.500	7.19	18	.30	2
6052	32	760204	5.77		.460	5	10.0	.863	6.98	18	.28	6
6053	33	760204	18.40		1.060	7	9.2	1.7[illegible]	6.98	23	.19	2
6054	34	760204	40.00	<	.050	10	10.5	3.900	7.09	25	.60	3
6055	35	760204	.70	<	.050	-1	8.3	-1.000	6.34	-1	-1.00	-1
6056	36	760204	27.10		.295	13	8.4	2.500	6.93	30	.08	2
6057	37	760204	6.10	<	.050	7	11.4	2.400	6.73	10	.57	7
6058	38	760204	2.61	<	.050	5	13.3	.740	6.76	4	6.77	-1
6059	39	760204	19.90	<	.050	17	11.6	1.100	6.82	-1	-1.00	-1

**** -1=MISSING DATA ****

ELLIOTT BAY SEDIMENT DATA--INTERSTITIAL WATER

LAB NO.	SITE	DATE	NH3 MG/L		ORTHO-P MG/L	CR UG/L	MG UG/L	MN MG/L	PH	AS UG/L
12100	1AT	760316	1.37		.560	12	8.5	3.310	6.71	21
12101	1AB	760316	1.62		.435	7	7.4	3.800	6.63	28
12102	1BT	760316	2.36		.130	16	10.6	3.790	6.67	17
12103	1BB	760316	1.05		.170	8	11.8	2.410	6.62	26
12104	2AT	760316	1.20		.230	11	13.9	3.970	6.65	14
12105	2AB	760316	3.68		.690	9	9.5	.408	6.70	12
12106	2BT	760316	3.17		.090	13	12.7	3.660	6.84	11
12107	2BB	760316	.62		.160	11	11.4	.812	6.79	14
12108	3AT	760316	11.80		.080	10	8.5	5.260	6.82	14
12109	3AB	760316	.72		.140	9	-1.0	.783	7.40	13
12110	3BT	760316	5.06		.130	8	8.0	3.690	6.63	10
12111	3BB	760316	.52		.160	8	11.0	.455	6.88	20
12112	4AT	760316	2.69		.250	9	13.0	3.280	6.85	13
12113	4AB	760316	1.22		.260	8	12.0	.334	6.65	12
12114	4BT	760316	4.59		.260	13	8.0	3.350	6.70	13
12115	4BB	760316	1.79		.250	13	10.0	1.690	6.67	34
12116	5AT	760316	8.95		.650	14	8.0	2.210	6.84	16
12117	5AB	760316	3.39		.370	10	11.0	3.060	6.54	23
12118	5BT	760316	5.33		.100	7	13.0	3.680	6.39	13
12119	5BB	760316	2.95		.050	9	12.0	3.020	6.52	11
12120	6AT	760316	2.27		.130	7	12.0	4.900	6.74	16
12121	6AB	760316	.60		.060	7	12.0	1.340	6.90	14
12122	6BT	760316	14.10		.190	7	12.0	1.860	7.05	14
12123	6BB	760316	4.86		.190	10	9.0	3.540	6.84	24
12124	7AT	760316	23.00		.140	7	14.0	2.290	7.07	25
12125	7AB	760316	22.90		.280	7	17.0	2.340	7.18	51
12126	7BT	760316	26.60		.100	7	19.0	2.250	7.24	27
12127	7BB	760316	45.80	<	.050	6	14.0	2.200	7.27	15
12128	8AT	760316	3.28	<	.050	16	8.0	5.290	6.58	77
12129	8AB	760316	.84	<	.050	17	14.0	4.740	6.76	-1
12130	8BT	760316	3.17	<	.050	10	1.0	4.310	6.66	19
12131	8BB	760316	.54		.070	8	1.0	1.720	6.97	13
12132	9AT	760316	6.27		.120	6	1.0	3.780	6.96	19
12133	9AB	760316	.49		.100	8	2.0	.757	7.05	24
12134	9BT	760316	4.71		.070	12	2.0	2.670	6.75	17
12135	9BB	760316	.86		.070	13	2.0	2.220	6.80	38
12136	10AT	760316	34.00		.080	14	2.0	2.610	7.20	27
12137	10AB	760316	33.80		.110	14	1.0	2.620	7.25	34
12138	10BT	760316	38.60		.180	9	1.0	2.510	7.18	34
12139	10BB	760316	37.60		.535	12	1.0	1.670	7.30	33
12140	11AT	760316	32.70		1.040	9	1.0	2.560	7.17	26
12141	11AB	760316	37.60		.315	8	1.0	2.220	7.23	18
12142	11BT	760316	32.10		1.040	8	1.0	2.700	6.93	15
12143	11BB	760316	13.90		.190	8	1.0	3.450	6.74	22
12144	12AT	760316	2.12		.855	8	2.0	3.470	6.62	21
12145	12AB	760316	.74		.070	10	3.0	.578	6.96	14
12146	12BT	760316	2.85		.550	10	1.0	4.100	6.77	21
12147	12BB	760316	.35		.095	4	2.0	.683	6.88	27
12148	13AT	760316	3.63		.530	7	10.0	3.030	6.28	22
12149	13AB	760316	.37		.055	-1	-1.0	-1.000	1.0*	-1

**** -1=MISSING DATA ****

ELLIOTT BAY SEDIMENT DATA--INTERSTITIAL WATER

LAB NO.	SITE	DATE	NH3 MG/L	ORTHO-P MG/L	CR UG/L	MG UG/L	MN MG/L	PH	AS UG/L
12150	13BT	760316	1.31	.570	6	3.0	3.680	6.85	28
12151	13BB	760316	1.01	.2[illegible]	-1	-1.0	-1.000	1.0*	-1
12152	14AT	760316	6.90	.045	14	5.0	6.440	7.0[illegible]	21
12153	14AB	760316	.57	.240	5	2.0	3.160	6.96	22
12154	14BT	760316	6.10	.360	8	4.0	6.540	6.28	24
12155	14BB	760316	.11	.080	6	2.0	2.760	6.79	-1
12156	15AT	760316	3.04 <	.050	7	1.0	3.180	6.98	33
12157	15AB	760316	.34	.050	-1	1.0	-1.000	7.29	-1
12158	15BT	760316	1.80 <	.050	8	1.0	4.[illegible]	6.76	-1
12159	15BB	760316	5.60	.440	6	3.0	-1.000	7.28	13
12160	16AT	760316	6.13	.110	6	1.0	3.470	6.43	41
12161	16AB	760316 <	.05	.050	23	3.0	-1.000	7.12	-1
12162	16BT	760316	1.66 <	.050	12	5.0	7.160	1.0*	38
12163	16BB	760316	.07	.060	-1	-1.0	-1.000	7.18	-1
12164	17AT	760316	12.67	.420	13	3.0	2.620	7.80	-1
12166	17BT	760316	.60	.110	4	1.0	1.860	7.46	17
12168	18AT	760316	.63	.080	5	1.0	1.890	6.45	12
12170	18BT	760316	2.43	.100	3	1.0	1.950	7.59	23
12172	19AT	760316	3.34	.090	3	1.0	.907	7.01	28
12174	19BT	760316	.51	.100	4	1.6	.523	7.07	17
12176	20AT	760316	.32	.[illegible]30	5	.9	.809	7.01	20
12178	20BT	760316	5.62	.150	6	-1.0	3.470	7.15	-1

**** -1=MISSING DATA ****

ELLIOTT BAY SEDIMENT DATA--INTERSTITIAL WATER

LAB NO.	SITE	DATE	NH3 MG/L	ORTHO-P MG/L	CR UG/L	MG UG/L	MN MG/L	PH	AS UG/L
15100	1AT	760408	3.98	.090	8	3.0	2.880	6.85	26
15101	1AB	760408	11.20	1.570	4	1.9	2.890	7.45	30
15102	1BT	760408	3.46	.090	10	2.4	5.150	6.54	30
15103	1BB	760408	2.40	.140	7	2.2	7.460	7.01	19
15104	2AT	760408	11.80	.170	7	2.1	3.850	6.97	25
15105	2AB	760408	1.60	.220	4	1.7	.023	7.34	4
15106	2BT	760408	6.43	.350	10	2.5	3.730	7.04	20
15107	2BB	760408	1.37	.295	6	1.5	.625	7.27	14
15108	3AT	760408	4.43	.340	7	1.2	4.710	6.63	23
15109	3AB	760408	1.53	.220	4	2.9	.540	6.98	16
15110	3BT	760408	2.87	.110	5	1.8	3.240	7.25	12
15111	3BB	760408	.58	.310	4	2.2	.450	7.52	33
15112	4AT	760408	2.05	.080	6	.9	4.560	6.82	16
15113	4AB	760408	.65	.190	4	1.7	.341	7.15	11
15114	4BT	760408	2.86	1.600	5	-1.0	4.160	6.57	20
15115	4BB	760408	2.37	.425	3	1.2	.365	7.34	12
15116	5AT	760408	4.61	.130	-1	2.2	-1.000	6.29	50
15117	5AB	760408	1.38	.090	7	3.9	.365	7.17	24
15118	5BT	760408	3.33	.395	7	1.4	4.950	6.89	16
15119	5BB	760408	2.02	.365	4	1.0	4.170	6.97	24
15120	6AT	760408	3.81	.445	10	-1.0	5.510	6.79	50
15121	6AB	760408	1.55	.180	3	1.0	.924	7.19	22
15122	6BT	760408	4.40	1.000	9	1.4	3.390	7.09	24
15123	6BB	760408	1.03	.255	4	.7	.723	6.80	15
15124	7AT	760408	28.00	.065	13	2.3	6.640	6.89	3
15125	7AB	760408	-1.00	-1.000	-1	21.0	-1.000	1.0*	-1
15126	7BT	760408	54.60	2.050	6	1.0	2.890	6.92	27
15127	7BB	760408	-1.00	-1.000	5	-1.0	3.640	7.35	18
15128	8AT	760408	3.78	.650	6	1.0	5.970	6.53	12
15129	8AB	760408	.89	.160	4	1.0	.930	7.46	28
15130	8BT	760408	4.80	.225	9	1.0	-1.000	6.74	36
15131	8BB	760408	.37	.185	5	1.0	.367	6.91	11
15132	9AT	760408	6.52	.050	7	1.0	5.770	6.73	6
15133	9AB	760408	-1.00	-1.000	-1	-1.0	-1.000	1.0*	-1
15134	9BT	760408	6.56	< .050	5	1.2	5.470	6.67	8
15135	9BB	760408	1.18	.080	-1	1.7	-1.000	6.67	-1
15136	10AT	760408	24.10	.080	4	.9	3.300	6.82	11
15137	10AB	760408	29.40	.100	5	18.0	3.810	6.99	20
15138	10BT	760408	18.60	< .050	8	1.7	5.510	6.69	22
15139	10BB	760408	14.70	.100	-1	28.0	-1.000	7.07	-1
15140	11AT	760408	38.30	.060	9	1.2	3.240	6.99	26
15141	11AB	760408	46.20	.130	5	.5	2.960	7.09	19
15142	11BT	760408	36.20	.080	7	19.0	3.900	6.91	13
15143	11BB	760408	38.50	< .050	9	7.6	7.370	6.70	-1
15144	12AT	760408	2.60	.100	6	.5	7.150	6.86	8
15145	12AB	760408	.32	.090	3	.8	-1.000	7.67	22
15146	12BT	760408	3.16	.080	6	.5	3.320	6.79	22
15147	12BB	760408	1.09	.150	5	1.5	.577	6.96	10
15148	13AT	760408	1.66	.050	5	.7	2.180	6.54	21
15149	13AB	760408	.13	< .050	-1	1.0	-1.000	6.82	45

**** -1=MISSING DATA ****

ELLIOTT BAY SEDIMENT DATA--INTERSTITIAL WATER

LAB NO.	SITE	DATE	NH3 MG/L	ORTHO-P MG/L	CR UG/L	MG UG/L	MN MG/L	PH	AS UG/L
15150	13BT	760408	2.21	< .050	6	2.0	4.730	6.54	11
15151	13BH	760408	-1.00	-1.000	-1	-1.0	-1.000	1.0*	-1
15152	14AT	760408	1.03	< .050	7	-1.0	6.070	6.66	3
15153	14AB	760408	20.40	< .050	4	1.0	.606	7.51	61
15154	14BT	760408	20.70	< .050	4	2.0	3.640	6.55	18
15155	14BH	760408	2.00	.200	4	1.0	1.690	7.24	24
15156	15AT	760408	6.24	< .050	7	1.0	6.260	6.80	13
15157	15AB	760408	.54	.060	13	1.0	2.990	7.01	13
15158	15BT	760408	5.36	< .050	9	1.0	5.030	6.74	15
15159	15BB	760408	.29	.070	10	1.0	1.120	6.86	21
15160	16AT	760408	6.24	1.380	10	1.0	1.910	7.01	20
15161	16AB	760408	.61	.220	8	1.0	.427	7.14	13
15162	16BT	760408	1.62	.090	8	2.0	5.380	6.90	23
15163	16BH	760408	.29	.060	-1	-1.0	-1.000	1.0*	-1
15164	17AT	760408	.51	.140	7	1.0	.549	7.08	32
15165	17AB	760408	2.14	.260	8	1.0	.353	6.83	89
15166	17BT	760408	.70	.150	6	1.0	.389	7.08	64
15167	17BB	760408	1.61	.140	7	1.0	.193	7.08	37
15168	18AT	760408	.35	.150	6	1.0	.644	6.94	12
15169	18AB	760408	.65	.110	7	1.0	.289	7.03	20
15170	18BT	760408	.34	.110	6	1.0	1.500	6.98	15
15171	18BH	760408	1.62	.160	7	1.0	.461	7.07	23
15172	19AT	760408	.18	.150	6	1.0	.242	6.91	14
15173	19AB	760408	.60	.180	2	1.0	.157	7.02	26
15174	19BT	760408	.69	.160	3	2.0	.704	6.75	16
15175	19BB	760408	1.00	.135	5	1.0	.125	7.00	29
15176	20AT	760408	.94	.200	4	1.0	1.400	6.97	18
15177	20AB	760408	.50	.140	3	3.0	.242	6.92	16
15178	20BT	760408	2.43	.240	4	2.0	.740	7.14	14
15179	20BB	760408	7.25	1.070	3	.6	.058	7.41	13

**** -1=MISSING DATA ****

ELLIOTT BAY SEDIMENT DATA--INTERSTITIAL WATER

LAB NO.	SITE	DATE	NH3 MG/L		ORTHO-P MG/L	CR UG/L	MG UG/L	MN MG/L	PH	AS UG/L
25130	1AT	760618	.43		.050	-1	-1.0	-1.000	6.90	-1
25131	1AB	760618	1.41		.355	4	1.4	.347	8.05	84
25132	1BT	760618	2.70		.090	-1	-1.0	-1.000	6.50	-1
25133	1BB	760618	2.62		.770	4	1.0	1.060	7.20	76
25134	2AT	760618	2.75	<	.050	5	1.1	5.220	6.50	14
25135	2AB	760618	2.32		.480	5	-1.0	.557	7.30	33
25136	2BT	760618	28.10	<	.050	6	.5	4.310	7.15	46
25137	2BB	760618	38.80		.290	5	1.3	3.450	7.15	28
25138	3AT	760618	1.60		.340	3	.9	2.430	7.25	15
25139	3AB	760618	1.32		.260	7	-1.0	.398	7.45	18
25140	3BT	760618	1.98	<	.050	7	-1.0	6.080	6.70	22
25141	3BB	760618	1.56		.270	4	1.0	.727	6.95	24
25142	4AT	760618	4.83		.310	9	2.3	-1.000	6.25	-1
25143	4AB	760618	1.41		.100	-1	2.0	-1.000	6.75	-1
25144	4BT	760618	2.23	<	.050	4	1.0	6.130	6.40	15
25145	4BB	760618	2.24		.230	7	1.0	.424	7.20	13
25146	5AT	760618	2.58	<	.050	7	1.0	4.750	6.40	18
25147	5AB	760618	2.40		.120	4	1.0	3.150	6.60	20
25148	5BT	760618	3.05	<	.050	6	1.0	5.080	7.10	10
25149	5BB	760618	1.81	<	.050	7	1.0	5.180	7.10	11
25150	6AT	760618	4.05	<	.050	8	2.0	4.150	6.95	-1
25151	6AB	760618	1.68		.200	4	2.0	2.440	7.40	18
25152	6BT	760618	2.11		.050	7	2.0	3.550	6.35	23
25153	6BB	760618	2.32		.050	8	1.0	6.070	1.0*	3
25154	7AT	760618	1.73		.050	11	1.0	3.940	7.00	28
25155	7AB	760618	1.07	<	.050	-1	1.0	-1.000	7.25	12
25156	7BT	760618	6.69	<	.050	11	1.9	4.910	6.10	20
25157	7BB	760618	7.07	<	.050	15	1.0	5.640	6.70	28
25158	8AT	760618	3.93	<	.050	17	1.0	-1.000	6.50	40
25159	8AB	760618	43.50	<	.050	6	1.0	1.260	7.15	30
25160	8BT	760618	28.90	<	.050	4	1.0	2.700	6.55	18
25161	8BB	760618	2.14	<	.050	16	1.0	-1.000	1.0*	20
25162	9AT	760618	2.02	<	.050	7	1.0	4.950	6.50	17
25163	9AB	760618	2.45		.130	8	6.0	8.590	1.0*	20
25164	9BT	760618	3.25	<	.050	6	1.0	7.040	1.0*	22
25165	9BB	760618	1.25		.095	4	4.0	.846	7.40	21
25166	10AT	760618	7.07		.095	6	1.0	4.360	7.05	20
25167	10AB	760618	1.14		.250	6	1.1	.983	7.50	27
25168	10BT	760618	18.20		.060	4	2.2	4.720	6.25	19
25169	10BB	760618	9.30	<	.050	3	3.6	3.670	7.40	11
25140	11AT	760618	38.30		.060	4	2.9	4.810	7.05	23
25141	11AB	760618	.63		.050	6	1.4	3.020	7.15	26
25142	11BT	760618	33.00		.515	8	12.7	4.740	6.95	12
25143	11BB	760618	46.80		.050	4	1.4	1.910	7.05	13
25144	12AT	760618	3.19	<	.050	6	2.0	3.760	6.45	19
25145	12AB	760618	.66		.150	3	2.5	.085	7.35	44
25146	12BT	760618	2.27	<	.050	17	2.0	-1.000	5.10	-1
25147	12BB	760618	1.53		.165	6	2.9	1.750	7.00	21
25148	13AT	760618	.82		.050	8	2.0	5.400	6.75	21
25149	9	0	-1.00		-1.000	-1	-1.0	-1.000	1.0*	-1

**** -1=MISSING DATA ****

ELLIOTT BAY SEDIMENT DATA--INTERSTITIAL WATER

LAB NO.	SITE	DATE	NH3 MG/L		ORTHO-P MG/L	CR UG/L	HG UG/L	MN MG/L	PH	AS UG/L
25150	13BT	760618	.52	<	.050	5	1.7	5.310	7.40	34
25151	13BB	760618	-1.00		-1.000	-1	-1.0	-1.000	1.0*	-1
25152	14AT	760618	5.37	<	.050	5	2.0	6.260	1.0*	15
25153	14AB	760618	1.06		.120	2	1.7	.639	7.75	44
25154	14BT	760618	2.99		.090	32	1.8	4.390	6.00	51
25155	14BB	760618	3.47		.100	7	1.7	4.520	7.40	26
25156	15AT	760618	5.13	<	.050	4	1.6	5.310	6.80	23
25157	15AB	760618	3.96		.090	47	2.4	-1.000	7.30	76
25158	15BT	760618	2.34		.050	8	1.3	2.930	7.00	-1
25159	15BB	760618	45.00	<	.050	8	1.4	-1.000	7.20	16
25160	16AT	760618	1.46		.060	8	1.1	6.500	6.50	27
25161	16AB	760618	-1.00		-1.000	-1	-1.0	-1.000	1.0*	14
25162	16BT	760618	2.04	<	.050	-1	1.3	-1.000	7.20	16
25163	16BB	760618	1.61	<	.050	4	-1.0	8.400	7.25	12
25164	17AT	760618	4.19		.220	6	2.6	3.040	7.05	16
25165	17AB	760618	-1.00		-1.000	4	-1.0	1.000	1.0*	20
25166	17BT	760618	3.05		.390	-1	1.1	-1.000	7.25	14
25167	17BB	760618	.96		.060	23	1.0	-1.000	7.45	-1
25168	18AT	760618	.72		.070	4	1.9	.029	7.60	21
25169	18AB	760618	2.07		.280	7	2.9	.599	7.50	27
25170	18BT	760618	.51		.100	6	2.5	.430	6.85	21
25171	18BB	760618	.93		.110	7	2.2	.111	7.60	52
25172	19AT	760618	.30		.140	4	.8	.419	7.50	26
25173	19AB	760618	.77		.240	6	1.1	.097	6.60	28
25174	19BT	760618	.33		.100	6	1.0	.881	7.10	24
25175	19BB	760618	1.12		.050	8	1.0	1.400	7.25	30
25176	20AT	760618	.30		.110	5	1.3	.405	7.30	22
25177	20AB	760618	3.21		.200	5	.9	.117	7.50	12
25178	20BT	760618	.56	<	.050	6	1.3	.664	7.20	16
25179	20BB	760618	3.32		1.050	5	1.6	10.100	7.75	14

**** -1=MISSING DATA ****

DREDGED MATERIAL RESEARCH PROGRAM

TECHNICAL REPORT D-77-24

AQUATIC DISPOSAL FIELD INVESTIGATIONS, DUWAMISH WATERWAY DISPOSAL SITE, PUGET SOUND, WASHINGTON

APPENDIX D: CHEMICAL AND PHYSICAL ANALYSES OF WATER AND SEDIMENT IN RELATION TO DISPOSAL OF DREDGED MATERIAL IN ELLIOTT BAY

VOLUME II: SEPTEMBER-DECEMBER 1976

by

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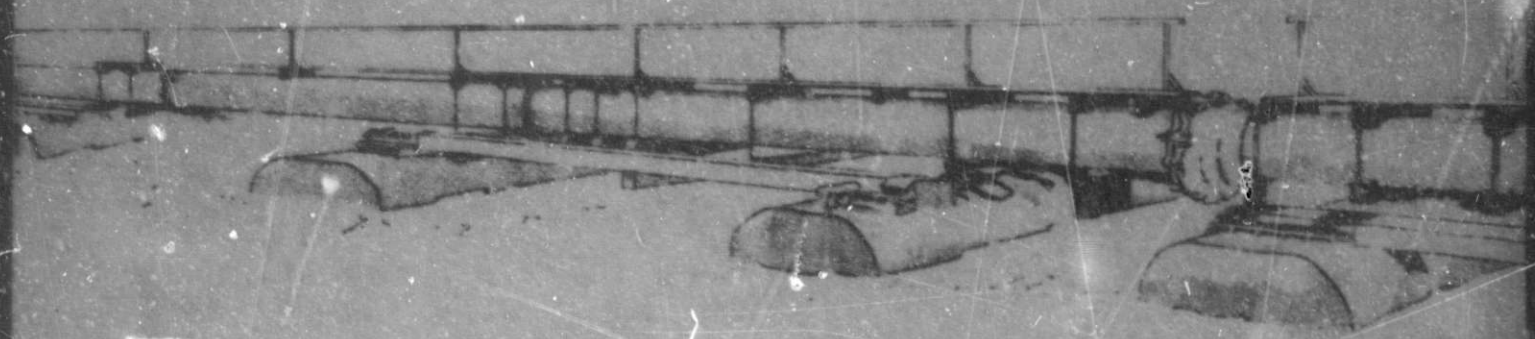
June 1978

Final Report



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Monitored by Environmental Laboratory
U. S. Army Engineer Waterways Experiment Station
P. O. Box 631, Vicksburg, Miss. 39180

Table 1

Listing of Experimental Data Broken Down by Position, Time, and Depth

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE SOL (Suspended Solids)
BROKEN DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			70.9000	1.1817	.4580	.2098	60
POSITION	1.	DUMP-EA	17.4000	1.0133	.4979	.2479	12
TIME	1.	SEPTEMBER	7.9000	1.3167	.4750	.2257	6
DEPTH	1.	SURFACE	3.4000	1.7000	0	0	2
DEPTH	2.	MIDDLE	1.5000	.7500	.3536	.1250	2
DEPTH	3.	BOTTOM	3.0000	1.5000	0	0	2
TIME	2.	DECEMBER	9.5000	.7500	.3564	.1270	6
DEPTH	1.	SURFACE	.8000	.4000	0	0	2
DEPTH	2.	MIDDLE	1.6000	.8000	.2828	.0800	2
DEPTH	3.	BOTTOM	7.1000	1.7500	.3536	.1250	2
POSITION	2.	DUMP-E 10	14.4000	1.2000	.5443	.2964	12
TIME	1.	SEPTEMBER	10.0000	1.6667	.5164	.2667	6
DEPTH	1.	SURFACE	4.0000	2.0000	0	0	2
DEPTH	2.	MIDDLE	2.0000	1.0000	0	0	2
DEPTH	3.	BOTTOM	4.0000	2.0000	0	0	2
TIME	2.	DECEMBER	4.4000	1.0667	.4227	.1787	6
DEPTH	1.	SURFACE	1.7000	.8500	.0707	.0050	2
DEPTH	2.	MIDDLE	2.6000	1.3000	.2828	.0800	2
DEPTH	3.	BOTTOM	2.1000	1.0500	.7778	.6050	2
POSITION	3.	REFERENCE-E17	14.7000	1.2333	.5096	.2598	12
TIME	1.	SEPTEMBER	6.6000	1.0667	.1751	.0307	6
DEPTH	1.	SURFACE	2.1000	1.1500	.3707	.0838	2
DEPTH	2.	MIDDLE	2.1000	1.0500	.3536	.1250	2
DEPTH	3.	BOTTOM	2.0000	1.0000	0	0	2
TIME	2.	DECEMBER	7.5000	1.2500	.5946	.4880	6
DEPTH	1.	SURFACE	1.3000	.6500	.0707	.0050	2
DEPTH	2.	MIDDLE	2.7000	1.3500	.1414	.0200	2
DEPTH	3.	BOTTOM	4.3000	2.1500	.2121	.0450	2
POSITION	4.	REFERENCE-E19	14.9000	1.2417	.3895	.1463	12
TIME	1.	SEPTEMBER	6.3000	1.0500	.4135	.1710	6
DEPTH	1.	SURFACE	3.0000	1.5000	.2828	.0800	2
DEPTH	2.	MIDDLE	1.3000	.6500	.2121	.0450	2
DEPTH	3.	BOTTOM	2.0000	1.0000	0	0	2
TIME	2.	DECEMBER	8.6000	1.4333	.2503	.0627	6
DEPTH	1.	SURFACE	3.0000	1.5000	0	0	2

(Continued)

POLLUTION DYNAMICS--WATER SAMPLES

Table 1 (Continued)

CRITERION VARIABLE SOL

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
DEPTH	2.	MIDDLE	2.3800	1.1900	.2121	.0450	21
DEPTH	3.	BOTTOM	3.3800	1.6900	.0707	.0050	21
POSITION	5.	DUWAMISH-44	13.0000	1.0833	.2582	.0652	121
TIME	1.	SEPTEMBER	6.5000	1.0833	.3488	.1217	61
DEPTH	1.	SURFACE	2.6000	1.3000	0	0	21
DEPTH	2.	MIDDLE	1.3000	.6500	.2121	.0450	21
DEPTH	3.	BOTTOM	2.6000	1.3000	0	0	21
TIME	2.	DECEMBER	6.5000	1.0833	.1471	.0217	60
DEPTH	1.	SURFACE	2.5000	1.2500	.0707	.0050	21
DEPTH	2.	MIDDLE	2.1000	1.0500	.0707	.0050	21
DEPTH	3.	BOTTOM	1.9000	.9500	.0707	.0050	21

TOTAL CASES = 60

(Continued)

POLLUTION DYNAMICS--WATER SAMPLES

Table 1 (Continued)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE AS
BROKEN DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			169.4000	2.8267	.2939	.0844	681
POSITION	1.	DUMP-EA	34.9000	2.9083	.2875	.0827	121
TIME	1.	SEPTEMBER	18.6000	3.1000	.2608	.0680	61
DEPTH	1.	SURFACE	6.3000	3.1500	.3536	.1250	21
DEPTH	2.	MIDDLE	6.1000	3.0500	.3536	.1250	21
DEPTH	3.	BOTTOM	6.2000	3.1000	.2828	.0800	21
TIME	2.	DECEMBER	16.3000	2.7167	.1602	.0257	61
DEPTH	1.	SURFACE	5.4000	2.7000	.2828	.0800	21
DEPTH	2.	MIDDLE	5.4000	2.7000	0	0	21
DEPTH	3.	BOTTOM	5.5000	2.7500	.2121	.0450	21
POSITION	2.	DUMP-E 10	34.7000	2.8917	.2734	.0690	121
TIME	1.	SEPTEMBER	17.9000	2.9833	.2927	.0857	61
DEPTH	1.	SURFACE	5.7000	2.8500	.2121	.0450	21
DEPTH	2.	MIDDLE	6.0000	3.0000	.5657	.3200	21
DEPTH	3.	BOTTOM	6.2000	3.1000	0	0	21
TIME	2.	DECEMBER	16.8000	2.8000	.0612	.0040	61
DEPTH	1.	SURFACE	5.5000	2.7500	.0707	.0050	21
DEPTH	2.	MIDDLE	5.7000	2.8500	.0707	.0050	21
DEPTH	3.	BOTTOM	5.6000	2.8000	0	0	21
POSITION	3.	REFERENCE-E17	31.5000	2.6250	.3671	.1348	121
TIME	1.	SEPTEMBER	18.4000	2.7333	.5125	.2627	61
DEPTH	1.	SURFACE	5.7000	2.8500	.0707	.0050	21
DEPTH	2.	MIDDLE	5.1000	2.5500	.4950	.2450	21
DEPTH	3.	BOTTOM	5.6000	2.8000	0	0	21
TIME	2.	DECEMBER	15.1000	2.5167	.3763	.0857	61
DEPTH	1.	SURFACE	5.2000	2.6000	0	0	21
DEPTH	2.	MIDDLE	5.0000	2.5000	0	0	21
DEPTH	3.	BOTTOM	4.9000	2.4500	.0707	.0050	21
POSITION	4.	REFERENCE-E19	34.8000	2.9000	.3384	.1145	121
TIME	1.	SEPTEMBER	18.4000	3.0667	.3162	.1000	61
DEPTH	1.	SURFACE	5.9000	2.9500	.4950	.2450	21
DEPTH	2.	MIDDLE	5.5000	2.7500	.0707	.0050	21
DEPTH	3.	BOTTOM	5.4000	2.7000	.4243	.1800	21
TIME	2.	DECEMBER	16.4000	3.0000	.1578	.1280	61
DEPTH	1.	SURFACE	6.7000	3.1500	.4950	.2450	21

(Continued)

POLLUTION DYNAMICS--WATER SAMPLES

Table 1 (Continued)

CRITERION VARIABLE AS

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE		N
DEPTH	2.	MIDDLE	5.6000	2.8000	.1414	.0200	(	21
DEPTH	3.	BOTTOM	5.7000	2.8500	.0707	.0050	(	21
POSITION	5.	QUADRICHANNEL	33.7000	2.8083	.1370	.0188	(	121
TIME	1.	SEPTEMBER	14.9000	2.8167	.1169	.0137	(	61
DEPTH	1.	SURFACE	5.6000	2.8000	0	0	(	21
DEPTH	2.	MIDDLE	5.7000	2.8500	.2121	.0450	(	21
DEPTH	3.	BOTTOM	5.6000	2.8000	.1414	.0200	(	21
TIME	2.	DECEMBER	16.8000	2.8000	.1673	.0280	(	61
DEPTH	1.	SURFACE	5.8000	2.9000	0	0	(	21
DEPTH	2.	MIDDLE	5.4000	2.7000	.2828	.0800	(	21
DEPTH	3.	BOTTOM	5.6000	2.8000	.1414	.0200	(	21

TOTAL CASES = 60

(Continued)

Table 1 (Continued)

POLLUTION [illegible]--WATER SAMPLES

DESCRIPTION OF SUBPOPULATIONS

DESCRIPTION VARIABLE: MN
RANKED DOWN BY: POSITION
BY: TIME
BY: DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			1099.7000	18.3300	3.8611	14.9077	60
POSITION	1.	DUMP-E8	701.6000	16.8000	3.1652	10.0182	121
TIME	1.	SEPTEMBER	110.0000	18.3333	2.6583	7.0667	61
DEPTH	1.	SURFACE	33.5000	16.7500	.3536	.1250	21
DEPTH	2.	MIDDLE	39.0000	18.5000	0	0	21
DEPTH	3.	BOTTOM	43.5000	21.7500	.3536	.1250	21
TIME	2.	DECEMBER	91.6000	15.2667	3.4546	9.3333	61
DEPTH	1.	SURFACE	29.3000	13.1500	.0707	.0050	21
DEPTH	2.	MIDDLE	29.5000	14.7500	.1536	.1250	21
DEPTH	3.	BOTTOM	35.8000	17.9000	4.8083	23.1200	21
POSITION	2.	DUMP-E10	265.8000	22.1500	5.2178	27.2091	121
TIME	1.	SEPTEMBER	159.5000	25.4167	5.3069	28.1417	61
DEPTH	1.	SURFACE	41.5000	20.7500	.3536	.1250	21
DEPTH	2.	MIDDLE	47.5000	23.7500	1.0607	1.1250	21
DEPTH	3.	BOTTOM	67.5000	31.2500	3.1820	10.1250	21
TIME	2.	DECEMBER	113.3000	18.8833	2.7851	7.7577	61
DEPTH	1.	SURFACE	32.3000	16.1500	.0707	.0050	21
DEPTH	2.	MIDDLE	37.3000	18.6500	1.4849	2.2050	21
DEPTH	3.	BOTTOM	43.7000	21.8500	1.4849	2.2050	21
POSITION	3.	DIFFERENCE-E17	224.4000	18.7000	2.9395	8.6157	121
TIME	1.	SEPTEMBER	120.0000	20.0000	1.7321	3.0000	61
DEPTH	1.	SURFACE	37.5000	18.7500	.3536	.1250	21
DEPTH	2.	MIDDLE	39.0000	19.5000	1.4142	2.0000	21
DEPTH	3.	BOTTOM	43.5000	21.7500	1.7678	3.1250	21
TIME	2.	DECEMBER	104.0000	17.3333	1.9408	3.7667	61
DEPTH	1.	SURFACE	31.5000	15.7500	1.0607	1.1250	21
DEPTH	2.	MIDDLE	34.0000	17.0000	1.4142	2.0000	21
DEPTH	3.	BOTTOM	38.5000	19.2500	1.7678	3.1250	21
POSITION	4.	DIFFERENCE-E19	214.3000	18.8250	1.4881	3.5348	121
TIME	1.	SEPTEMBER	114.0000	19.0000	1.4125	2.0000	61
DEPTH	1.	SURFACE	38.0000	19.0000	3.5355	12.5000	21
DEPTH	2.	MIDDLE	37.5000	18.7500	.3536	.1250	21
DEPTH	3.	BOTTOM	38.5000	19.2500	.3536	.1250	21
TIME	2.	DECEMBER	100.3000	17.0500	1.7015	2.8950	61
DEPTH	1.	SURFACE	34.8000	17.4000	1.9799	3.9200	21

(Continued)

POLLUTION DYNAMICS--WATER SAMPLES

Table 1 (Continued)

POLLUTION VARIABLE NO.

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE		N
DEPTH	2.	MIDDLE	31.3000	15.7500	1.7678	3.1250	(	21
DEPTH	3.	BOTTOM	34.0000	18.0000	1.4142	2.0000	(	21
POSITION	4.	DUNAMISH-AK	191.5000	15.9583	2.6324	6.9290	(	12)
TIME	1.	SEPTEMBER	108.1000	18.0167	2.9121	8.4797	(	6)
DEPTH	1.	SURFACE	34.5000	17.2500	3.5961	11.5250	(	2)
DEPTH	2.	MIDDLE	33.3000	16.6500	.0192	.8450	(	2)
DEPTH	3.	BOTTOM	40.2000	20.0000	1.4142	2.0000	(	2)
TIME	2.	DECEMBER	83.4000	13.9000	1.8439	3.4040	(	6)
DEPTH	1.	SURFACE	30.0000	15.0000	2.8284	8.0000	(	2)
DEPTH	2.	MIDDLE	26.2000	13.1000	2.2627	5.1200	(	2)
DEPTH	3.	BOTTOM	27.2000	13.6000	.1414	.0200	(	2)

TOTAL CASES = 66

(Continued)

Table 1 (Continued)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE NO
SPOKEN DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			1542.0500	26.2551	18.2289	332.2942	591
POSITION	1.	DUMP-PA	220.5000	20.0636	14.7882	218.6545	111
TIME	1.	SEPTEMBER	70.0000	15.5000	15.8192	225.5750	51
DEPTH	1.	SURFACE	54.0000	28.0000	9.4905	98.0000	21
DEPTH	2.	MIDDLE	22.0000	22.0000	0	0	11
DEPTH	3.	BOTTOM	1.0000	.5000	0	0	21
TIME	2.	DECEMBER	150.5000	25.0833	14.4721	209.4417	61
DEPTH	1.	SURFACE	35.5000	17.7500	24.3952	595.1250	21
DEPTH	2.	MIDDLE	68.0000	34.0000	14.1421	200.0000	21
DEPTH	3.	BOTTOM	67.0000	33.5000	.7071	.5000	21
POSITION	2.	DUMP-S 10	285.5000	23.7917	16.8491	117.7727	121
TIME	1.	SEPTEMBER	115.0000	19.1667	4.6907	29.1667	61
DEPTH	1.	SURFACE	38.0000	19.0000	2.8284	8.0000	21
DEPTH	2.	MIDDLE	39.0000	19.5000	8.1924	84.5000	21
DEPTH	3.	BOTTOM	38.0000	19.0000	2.8284	8.0000	21
TIME	2.	DECEMBER	170.5000	28.4167	13.6903	187.4417	61
DEPTH	1.	SURFACE	69.0000	34.5000	.7071	.5000	21
DEPTH	2.	MIDDLE	67.0000	33.5000	.7071	.5000	21
DEPTH	3.	BOTTOM	34.5000	17.2500	23.6461	561.1750	21
POSITION	3.	DIFFERENCE-E17	288.0000	24.0000	17.6943	161.2727	132
TIME	1.	SEPTEMBER	88.0000	14.3333	10.3265	106.6667	61
DEPTH	1.	SURFACE	10.0000	5.0000	0	0	21
DEPTH	2.	MIDDLE	30.0000	15.0000	14.1421	200.0000	21
DEPTH	3.	BOTTOM	48.0000	23.0000	2.8284	8.0000	21
TIME	2.	DECEMBER	200.0000	33.3333	4.8056	23.8667	61
DEPTH	1.	SURFACE	79.0000	36.5000	2.7213	4.5000	21
DEPTH	2.	MIDDLE	76.0000	35.0000	0	0	21
DEPTH	3.	BOTTOM	54.0000	29.5000	7.7782	60.5000	21
POSITION	4.	DIFFERENCE-E19	514.0000	42.8333	26.2177	490.5152	121
TIME	1.	SEPTEMBER	398.0000	66.3333	11.3078	127.8667	61
DEPTH	1.	SURFACE	137.0000	68.5000	1.5355	12.5000	21
DEPTH	2.	MIDDLE	119.0000	59.5000	21.9203	480.5000	21
DEPTH	3.	BOTTOM	142.0000	71.0000	0	0	21
TIME	2.	DECEMBER	116.0000	19.3333	8.1158	65.8667	61
DEPTH	1.	SURFACE	39.0000	17.5000	4.9497	24.5000	21

(Continued)

POLLUTION DYNAMICS--WATER SAMPLES

CRITERION VARIABLE NA

Table 1 (Continued)

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE		N
DEPTH	2.	MIDDLE	24.0000	12.0000	0	0	(	2)
DEPTH	3.	BOTTOM	55.0000	27.5000	9.1924	84.5000	(	2)
DURATION	5.	DURATION-HR	237.0500	19.7375	13.8112	190.7687	(	12)
TIME	1.	SEPTEMBER	104.4500	17.4083	14.3141	204.8037	(	6)
DEPTH	1.	SURFACE	46.0000	23.0000	2.8284	8.0000	(	2)
DEPTH	2.	MIDDLE	58.0000	29.0000	9.8995	98.0000	(	2)
DEPTH	3.	BOTTOM	.4500	.2250	.3182	.1012	(	2)
TIME	2.	DECEMBER	127.5000	21.2500	4.3578	95.0750	(	6)
DEPTH	1.	SURFACE	47.0000	23.5000	4.9497	24.5000	(	2)
DEPTH	2.	MIDDLE	33.5000	16.7500	22.9310	525.1250	(	2)
DEPTH	3.	BOTTOM	47.0000	23.5000	14.8492	220.5000	(	2)

TOTAL CASES = 60

MISSING CASES = 1.00 1.7 PCT.

(Continued)

Table 1 (Continued)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE NO3 (Nitrate)
BREAK DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			1363.4000	22.7267	5.1887	26.9245	681
POSITION	1.	DUMP-EA	271.7000	22.6417	5.2378	27.4241	121
TIME	1.	SEPTEMBER	109.8000	18.3000	1.8612	3.4640	61
DEPTH	1.	SURFACE	35.7000	17.8500	2.4749	6.1250	21
DEPTH	2.	MIDDLE	34.9000	17.4500	2.6163	6.8450	21
DEPTH	3.	BOTTOM	39.2000	19.6000	1.2728	1.6200	21
TIME	2.	DECEMBER	161.9000	26.9833	3.4114	11.6377	61
DEPTH	1.	SURFACE	58.5000	25.2500	.3536	.1250	21
DEPTH	2.	MIDDLE	69.1000	30.0500	5.4447	29.6450	21
DEPTH	3.	BOTTOM	51.3000	25.6500	.2121	.0450	21
POSITION	2.	DUMP-E 1.0	278.8000	22.9167	6.3444	40.2742	121
TIME	1.	SEPTEMBER	119.9000	19.9833	4.1264	17.0278	61
DEPTH	1.	SURFACE	36.4000	18.2000	1.4142	2.0000	21
DEPTH	2.	MIDDLE	40.3000	20.1500	.6950	.2450	21
DEPTH	3.	BOTTOM	47.4000	23.7000	3.6770	13.5200	21
TIME	2.	DECEMBER	158.9000	26.0833	.4555	.4207	61
DEPTH	1.	SURFACE	58.8000	25.4000	.6857	.3200	21
DEPTH	2.	MIDDLE	62.9000	26.6500	.6950	.2450	21
DEPTH	3.	BOTTOM	62.8000	26.4000	.4243	.1800	21
POSITION	3.	REFERENCE-E1?	271.7000	22.6083	4.6125	19.4498	121
TIME	1.	SEPTEMBER	114.8000	19.1333	3.2810	10.7667	61
DEPTH	1.	SURFACE	33.6000	16.8000	.1414	.0200	21
DEPTH	2.	MIDDLE	41.3000	20.6500	.7778	.6050	21
DEPTH	3.	BOTTOM	40.5000	20.2500	5.6467	29.6450	21
TIME	2.	DECEMBER	158.9000	26.4833	.4167	.1737	61
DEPTH	1.	SURFACE	51.9000	25.9500	.0707	.0050	21
DEPTH	2.	MIDDLE	53.5000	26.7500	.0707	.0050	21
DEPTH	3.	BOTTOM	53.5000	26.7500	.0707	.0050	21
POSITION	4.	REFERENCE-E1?	267.1000	22.2583	4.8978	23.9881	121
TIME	1.	SEPTEMBER	108.3000	18.0500	3.1691	10.0430	61
DEPTH	1.	SURFACE	37.3000	18.6500	1.4849	2.2050	21
DEPTH	2.	MIDDLE	42.1000	21.0500	.6950	.2450	21
DEPTH	3.	BOTTOM	28.9000	14.4500	1.7678	3.1250	21
TIME	2.	DECEMBER	158.8000	26.4667	.4761	.2267	61
DEPTH	1.	SURFACE	53.1000	26.5500	.4950	.2450	21

(Continued)

POLLUTION DYNAMICS--WATER SAMPLES

Table 1 (Continued)

CRITERION VARIABLE NO?

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE		N
DEPTH	2.	MIDDLE	53.0000	26.5000	0	0	(	2)
DEPTH	3.	BOTTOM	52.7000	26.3500	.0192	.0450	(	2)
POSITION	5.	DUNANISH-44	276.1000	23.0083	7.2928	53.0394	(	12)
TIME	1.	SEPTEMBER	104.1000	17.3500	3.2587	10.6190	(	6)
DEPTH	1.	SURFACE	27.1000	13.5500	3.8406	0.2450	(	2)
DEPTH	2.	MIDDLE	38.9000	19.4500	.3536	.1250	(	2)
DEPTH	3.	BOTTOM	39.1000	19.5500	.4950	.2450	(	2)
TIME	2.	DECEMBER	172.0000	28.6667	5.4062	29.2267	(	6)
DEPTH	1.	SURFACE	66.1000	33.0500	9.4045	88.4450	(	2)
DEPTH	2.	MIDDLE	52.8000	26.4000	.1414	.0200	(	2)
DEPTH	3.	BOTTOM	53.1000	26.5500	.0707	.0050	(	2)

TOTAL CASES P 60

(Continued)

Table 1 (Continued)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE NH3 (Ammonia)
BROKEN DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			61.7000	1.0283	1.3856	1.9196	(60)
POSITION	1.	DUMP=8A	15.7000	1.3150	1.7650	3.1151	(12)
TIME	1.	SEPTEMBER	6.3000	.8133	1.0371	1.0758	(6)
DEPTH	1.	SURFACE	4.3000	2.1500	.0707	.0050	(2)
DEPTH	2.	MIDDLE	.3700	.1850	.0778	.0060	(2)
DEPTH	3.	BOTTOM	.4100	.1050	.0212	.0005	(2)
TIME	2.	DECEMBER	10.9000	1.8167	2.2746	5.1737	(6)
DEPTH	1.	SURFACE	2.6000	1.3000	.1414	.0200	(2)
DEPTH	2.	MIDDLE	6.9000	3.4500	4.1719	17.4050	(2)
DEPTH	3.	BOTTOM	1.4000	.7000	.2828	.0800	(2)
POSITION	2.	DUMP=10	10.8700	.9058	1.0765	1.1589	(12)
TIME	1.	SEPTEMBER	5.8700	.9783	1.2611	1.6422	(6)
DEPTH	1.	SURFACE	5.2000	2.6000	.5657	.3200	(2)
DEPTH	2.	MIDDLE	.3000	.1500	0	0	(2)
DEPTH	3.	BOTTOM	.3700	.1850	.0212	.0005	(2)
TIME	2.	DECEMBER	5.0000	.8333	.9553	.9047	(6)
DEPTH	1.	SURFACE	3.6000	1.8000	1.9799	1.8200	(2)
DEPTH	2.	MIDDLE	.6000	.3000	.1414	.0200	(2)
DEPTH	3.	BOTTOM	.6000	.3000	.1414	.0200	(2)
POSITION	3.	REFERENCE-B17	4.8000	.4000	.3111	.0968	(12)
TIME	1.	SEPTEMBER	2.5000	.4167	.4002	.1606	(6)
DEPTH	1.	SURFACE	1.9400	.9700	.2546	.0648	(2)
DEPTH	2.	MIDDLE	.2400	.1200	0	0	(2)
DEPTH	3.	BOTTOM	.4200	.2100	0	0	(2)
TIME	2.	DECEMBER	2.3000	.3833	.2137	.0457	(6)
DEPTH	1.	SURFACE	1.3000	.6500	.0707	.0050	(2)
DEPTH	2.	MIDDLE	.4000	.2000	0	0	(2)
DEPTH	3.	BOTTOM	.6000	.3000	0	0	(2)
POSITION	4.	REFERENCE-B19	15.2300	1.2692	1.3047	1.7022	(12)
TIME	1.	SEPTEMBER	8.4300	1.4050	1.6739	2.8019	(6)
DEPTH	1.	SURFACE	7.1000	3.5500	.3536	.1250	(2)
DEPTH	2.	MIDDLE	.4000	.2000	0	0	(2)
DEPTH	3.	BOTTOM	.9300	.4650	.1061	.0113	(2)
TIME	2.	DECEMBER	6.8000	1.1333	.9480	.8987	(6)
DEPTH	1.	SURFACE	4.6000	2.3000	0	0	(2)

(Continued)

POLLUTION DYNAMICS--WATER SAMPLES

Table 1 (Continued)

CRITERION VARIABLE NO 3

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE		N
DEPTH	2.	MIDDLE	.7000	.3500	.4707	.0850	[illegible]	21
DEPTH	3.	BOTTOM	1.5000	.7500	.4950	.2450	[illegible]	21
POSITION	5.	DUWAMISH-A/A	15.0203	1.2517	1.2870	3.6666	[illegible]	121
TIME	1.	SEPTEMBER	4.4200	.7367	.5917	.3501		61
DEPTH	1.	SURFACE	3.0000	1.5000	0	0	1	21
DEPTH	2.	MIDDLE	.6000	.3000	0	0	1	21
DEPTH	3.	BOTTOM	.7620	.3800	.0142	.0002	1	21
TIME	2.	DECEMBER	10.6000	1.7667	2.6166	6.8467	[illegible]	60
DEPTH	1.	SURFACE	7.6000	3.8000	6.0669	21.7000	[illegible]	21
DEPTH	2.	MIDDLE	1.4000	.7000	.1414	.0200	[illegible]	21
DEPTH	3.	BOTTOM	1.6000	.8000	.1414	.0200	[illegible]	21

TOTAL CASES = 60

(Continued)

Table 1 (Continued)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE PO4 (Inorganic Phosphate)
BROKEN DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			134.3000	2.2787	.3699	.1274	601
POSITION	1.	DUMP-5A	28.9000	2.2417	.3450	.1190	129
TIME	1.	SEPTEMBER	11.6000	1.9333	.1791	.0307	61
DEPTH	1.	SURFACE	4.2000	2.1000	.1414	.0200	21
DEPTH	2.	MIDDLE	3.8000	1.9000	.1414	.0200	21
DEPTH	3.	BOTTOM	3.8000	1.9000	.1414	.0200	21
TIME	2.	DECEMBER	15.3000	2.5500	.0548	.0030	60
DEPTH	1.	SURFACE	5.1000	2.5500	.0707	.0050	21
DEPTH	2.	MIDDLE	5.0000	2.5000	0	0	21
DEPTH	3.	BOTTOM	5.2000	2.6000	0	0	21
POSITION	2.	DUMP-210	27.6000	2.1000	.3275	.1073	131
TIME	1.	SEPTEMBER	12.2000	2.0333	.2503	.0627	61
DEPTH	1.	SURFACE	3.8000	1.9000	.1414	.0200	21
DEPTH	2.	MIDDLE	3.8000	1.9000	0	0	21
DEPTH	3.	BOTTOM	4.6000	2.3000	.2828	.0800	21
TIME	2.	DECEMBER	15.4000	2.5667	.0516	.0027	61
DEPTH	1.	SURFACE	5.2000	2.6000	0	0	21
DEPTH	2.	MIDDLE	5.1000	2.5500	.0707	.0050	21
DEPTH	3.	BOTTOM	5.1000	2.5500	.0707	.0050	21
POSITION	3.	REFERENCE-217	27.1000	2.2583	.3049	.0930	131
TIME	1.	SEPTEMBER	12.5000	2.0833	.2660	.0658	61
DEPTH	1.	SURFACE	3.7000	1.8500	.0707	.0050	21
DEPTH	2.	MIDDLE	4.2000	2.1000	0	0	21
DEPTH	3.	BOTTOM	4.1000	2.0500	.3536	.1250	21
TIME	2.	DECEMBER	15.1000	2.5167	.0753	.0057	64
DEPTH	1.	SURFACE	4.9000	2.4500	.0707	.0050	21
DEPTH	2.	MIDDLE	5.0000	2.5000	0	0	21
DEPTH	3.	BOTTOM	5.2000	2.6000	0	0	21
POSITION	4.	REFERENCE-219	24.5000	2.2083	.4180	.1681	121
TIME	1.	SEPTEMBER	11.3000	1.8833	.3251	.1057	61
DEPTH	1.	SURFACE	4.3000	2.1500	.2121	.0450	21
DEPTH	2.	MIDDLE	4.0000	2.0000	0	0	21
DEPTH	3.	BOTTOM	3.0000	1.5000	.1414	.0200	21
TIME	2.	DECEMBER	15.2000	2.5333	.1033	.0107	60
DEPTH	1.	SURFACE	5.2000	2.6000	.0707	.0050	21

(Continued)

POLLUTION DYNAMICS--WATER SAMPLES

Table 1 (Continued)

CRITERION VARIABLE PO[illegible]

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
DEPTH	2.	MIDDLE	5.0000	2.5000	0	0	(2)
DEPTH	3.	BOTTOM	4.9000	2.4500	.0707	.0050	(2)
POSITION	5.	DYNAMISM-44	2[illegible].2000	2.1833	.3996	.1597	(12)
TIME	1.	SEPTEMBER	10.9000	1.8167	.1602	.0257	(6)
DEPTH	1.	SURFACE	3.3000	1.6500	.2121	.0450	(2)
DEPTH	2.	MIDDLE	3.8000	1.9000	0	0	(2)
DEPTH	3.	BOTTOM	3.8000	1.9000	0	0	(2)
TIME	2.	DECEMBER	15.3000	2.5500	.0548	.0030	(6)
DEPTH	1.	SURFACE	5.0000	2.5000	0	0	(2)
DEPTH	2.	MIDDLE	5.1000	2.5500	.0707	.0050	(2)
DEPTH	3.	BOTTOM	5.2000	2.6000	0	0	(2)

TOTAL CASES = 60

(Continued)

Table 1 (Continued)

DESCRIPTION OF SUBPOPULATIONS

DEPENDENT VARIABLE SI (Reactive Silicate)
BROKEN DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			2757.9000	45.9650	6.5293	42.6189	(60)
POSITION	1.	DUMP-E4	533.1000	44.4250	6.8432	46.8293	(12)
TIME	1.	SEPTEMBER	234.9000	39.1500	5.9396	35.2676	(6)
DEPTH	1.	SURFACE	89.9000	44.9500	4.5962	21.1256	(2)
DEPTH	2.	MIDDLE	68.3000	34.1500	5.4861	31.2050	(2)
DEPTH	3.	BOTTOM	74.7000	34.3500	2.3335	5.4450	(2)
TIME	2.	DECEMBER	298.2000	49.7000	.9879	.9760	(6)
DEPTH	1.	SURFACE	99.9000	49.9500	.4192	.8450	(2)
DEPTH	2.	MIDDLE	99.2000	49.6000	.8485	.7200	(2)
DEPTH	3.	BOTTOM	99.1000	49.5500	1.3678	3.1250	(2)
POSITION	2.	DUMP-E10	554.6000	46.2167	5.5848	31.2174	(12)
TIME	1.	SEPTEMBER	250.0000	41.6667	3.9175	15.3467	(6)
DEPTH	1.	SURFACE	81.3000	40.6500	.0707	.0050	(2)
DEPTH	2.	MIDDLE	74.3000	37.1500	.2121	.0450	(2)
DEPTH	3.	BOTTOM	90.4000	45.2000	6.0811	36.9800	(2)
TIME	2.	DECEMBER	304.6000	50.7667	1.9865	3.9467	(6)
DEPTH	1.	SURFACE	101.9000	50.9500	3.7477	14.0450	(2)
DEPTH	2.	MIDDLE	102.6000	51.3000	1.5556	2.4200	(2)
DEPTH	3.	BOTTOM	100.1000	50.0500	.2121	.0450	(2)
POSITION	3.	REFERENCE-E17	552.1000	46.0083	5.7177	32.6917	(12)
TIME	1.	SEPTEMBER	247.3000	41.2167	4.8852	16.8417	(6)
DEPTH	1.	SURFACE	81.4000	40.7000	.1414	.0200	(2)
DEPTH	2.	MIDDLE	83.5000	41.7500	1.4849	2.2050	(2)
DEPTH	3.	BOTTOM	82.4000	41.2000	4.7681	22.8800	(2)
TIME	2.	DECEMBER	304.8000	50.8000	.4899	.2760	(6)
DEPTH	1.	SURFACE	102.1000	51.0500	.7778	.6050	(2)
DEPTH	2.	MIDDLE	100.9000	50.4500	.0707	.0050	(2)
DEPTH	3.	BOTTOM	101.8000	50.9000	1.6971	2.8800	(2)
POSITION	4.	REFERENCE-E19	574.4000	47.8667	9.3896	70.3861	(12)
TIME	1.	SEPTEMBER	259.4000	43.2667	9.8297	96.6297	(6)
DEPTH	1.	SURFACE	97.3000	48.6500	6.1519	37.8450	(2)
DEPTH	2.	MIDDLE	99.2000	49.6000	1.1314	1.2800	(2)
DEPTH	3.	BOTTOM	61.9000	30.9500	1.6263	2.6450	(2)
TIME	2.	DECEMBER	314.8000	52.4667	1.7119	2.9307	(6)
DEPTH	1.	SURFACE	109.3000	54.6500	.6364	.4050	(2)

(Continued)

POLLUTION DYNAMICS--WATER SAMPLES

CRITERION VARIABLE SI

Table 1 (Continued)

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE		N
DEPTH	2.	MIDDLE	104.5000	52.2500	1.0607	1.1250	(	21
DEPTH	3.	BOTTOM	107.2000	51.1000	0	0	(	21
POSITION	5.	DUNAMISH-44	541.7000	45.1083	6.3540	40.3990	(	121
TIME	1.	SEPTEMBER	237.9000	39.6333	3.1399	9.8587	(	61
DEPTH	1.	SURFACE	73.6000	36.8000	3.6770	13.5200	(	21
DEPTH	2.	MIDDLE	85.3000	42.6500	1.4021	1.4450	(	21
DEPTH	3.	BOTTOM	78.9000	39.4500	.8787	.0968	(	21
TIME	2.	DECEMBER	305.9000	50.9833	1.3134	1.7257	(	61
DEPTH	1.	SURFACE	99.0000	49.5000	.8485	.7200	(	21
DEPTH	2.	MIDDLE	102.4000	51.2000	.2828	.0800	(	21
DEPTH	3.	BOTTOM	104.5000	52.2500	.3536	.1250	(	21

TOTAL CASES = 68

(Continued)

Table 1 (Continued)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE PH
BROKEN DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			1029.2000	6.8613	.3654	.1335	(150)
POSITION	1.	CENTRAL DISPOSAL	207.6000	6.5988	.2516	.0642	(31)
TIME	1.	SEPTEMBER	102.0000	6.8000	.2449	.0600	(15)
DEPTH	1.	TOP--10CM	47.4000	6.7714	.1704	.0290	(7)
DEPTH	2.	BOTTOM--25CM	54.6000	6.8250	.3049	.0916	(8)
TIME	2.	DECEMBER	105.6000	6.6000	.2280	.0520	(16)
DEPTH	1.	TOP--10CM	52.2000	6.5375	.1685	.0284	(8)
DEPTH	2.	BOTTOM--25CM	53.3000	6.6625	.2722	.0741	(8)
POSITION	2.	WEST REFERENCE	117.8000	7.3625	.0719	.0052	(16)
TIME	1.	SEPTEMBER	58.8000	7.3500	.0926	.0086	(8)
DEPTH	1.	TOP--10CM	29.4000	7.3500	.0577	.0033	(4)
DEPTH	2.	BOTTOM--25CM	29.4000	7.3500	.1258	.0167	(4)
TIME	2.	DECEMBER	59.0000	7.3750	.0463	.0021	(8)
DEPTH	1.	TOP--10CM	29.5000	7.3750	.0500	.0075	(4)
DEPTH	2.	BOTTOM--25CM	29.5000	7.3750	.0500	.0025	(4)
POSITION	3.	EAST REFERENCE	117.4000	7.3375	.2475	.0612	(16)
TIME	1.	SEPTEMBER	58.7000	7.3375	.0744	.0055	(8)
DEPTH	1.	TOP--10CM	29.2000	7.3000	.0816	.0067	(4)
DEPTH	2.	BOTTOM--25CM	29.5000	7.3750	.0500	.0025	(4)
TIME	2.	DECEMBER	58.7000	7.3375	.3523	.1241	(8)
DEPTH	1.	TOP--10CM	29.1000	7.2750	.4573	.2092	(4)
DEPTH	2.	BOTTOM--25CM	30.0000	7.5000	.2160	.0467	(4)
POSITION	4.	FRINGE DISPOSAL	586.0000	6.7356	.2745	.0781	(87)
TIME	1.	SEPTEMBER	264.8000	6.7897	.2693	.0720	(39)
DEPTH	1.	TOP--10CM	134.0000	6.7000	.2271	.0516	(20)
DEPTH	2.	BOTTOM--25CM	130.8000	6.8842	.2814	.0792	(19)
TIME	2.	DECEMBER	321.2000	6.6917	.2835	.0804	(48)
DEPTH	1.	TOP--10CM	158.2000	6.5958	.2431	.0591	(24)
DEPTH	2.	BOTTOM--25CM	162.3000	6.7625	.3076	.0946	(24)

TOTAL CASES = 160
MISSING CASES = 10 OR 6.3 PCT.

(Continued)

Table 1 (Continued)

DESCRIPTION OF SUBPOPULATIONS

COLLATION VARIABLE EM
BROKEN DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			-45618.0000	-302.1060	53.2372	2834.2020	151
POSITION	1.	CENTRAL DISPOSAL	-9604.0000	-309.8065	28.8115	830.1613	31
TIME	1.	SEPTEMBER	-4429.0000	-295.0000	38.7060	942.8571	15
DEPTH	1.	TOP--10CM	-2055.0000	-293.5714	21.7398	472.6190	7
DEPTH	2.	BOTTOM--25CM	-2370.0000	-296.2500	38.4290	1476.7857	8
TIME	2.	DECEMBER	-5179.0000	-323.6875	18.8564	355.5625	16
DEPTH	1.	TOP--10CM	-2525.0000	-315.6250	20.2551	410.7679	8
DEPTH	2.	BOTTOM--25CM	-2654.0000	-331.7500	14.2583	203.0714	8
POSITION	2.	WEST REFERENCE	-7948.0000	-246.7500	82.9196	6875.0667	16
TIME	1.	SEPTEMBER	-1448.0000	-180.0000	57.9655	3314.2857	8
DEPTH	1.	TOP--10CM	-692.0000	-172.5000	71.3559	5091.4667	4
DEPTH	2.	BOTTOM--25CM	-756.0000	-187.5000	49.9168	2491.6667	4
TIME	2.	DECEMBER	-6500.0000	-313.5000	35.1448	1235.1429	8
DEPTH	1.	TOP--10CM	-1231.0000	-308.2500	40.6241	1650.2500	4
DEPTH	2.	BOTTOM--25CM	-1275.0000	-318.7500	34.7311	1206.2500	4
POSITION	3.	EAST REFERENCE	-4885.0000	-305.3125	74.4608	5574.0292	16
TIME	1.	SEPTEMBER	-2035.0000	-254.3750	47.1585	4510.2679	8
DEPTH	1.	TOP--10CM	-956.0000	-238.7500	42.2328	3572.9167	4
DEPTH	2.	BOTTOM--25CM	-1080.0000	-270.0000	77.0597	6000.0000	4
TIME	2.	DECEMBER	-2850.0000	-356.2500	38.7885	1503.9286	8
DEPTH	1.	TOP--10CM	-1375.0000	-343.7500	38.8877	1512.2500	4
DEPTH	2.	BOTTOM--25CM	-1475.0000	-368.7500	34.7524	1208.2500	4
POSITION	4.	FRINGE DISPOSAL	-27181.0000	-308.8750	42.6714	1820.8463	88
TIME	1.	SEPTEMBER	-11246.0000	-281.1500	40.5917	1644.4385	40
DEPTH	1.	TOP--10CM	-4248.0000	-297.1429	38.8854	903.9286	21
DEPTH	2.	BOTTOM--25CM	-5004.0000	-263.4737	43.9340	1930.3743	19
TIME	2.	DECEMBER	-15935.0000	-331.9792	28.4018	806.6166	48
DEPTH	1.	TOP--10CM	-7984.0000	-329.3333	25.9375	672.7536	24
DEPTH	2.	BOTTOM--25CM	-8031.0000	-334.6250	30.9990	960.9402	24

TOTAL CASES = 160
MISSING CASES = 9 OR 5.6 PCT.

(Continued)

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CRITERION VARIABLE   HNSED
BROKEN DOWN BY   POSITION
BY   TIME
BY   DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			39916.6800	255.8762	60.3823	3646.0252	(156)
POSITION	1.	CENTRAL DISPOSAL	9084.0000	283.8750	77.4856	600[illegible].[illegible]619	(32)
TIME	1.	SEPTEMBER	4179.0000	261.1875	56.8509	[illegible]232.0292	(16)
DEPTH	1.	TOP--10CM	2138.0000	267.2500	36.9623	1366.2143	(8)
DEPTH	2.	BOTTOM--25CM	2041.0000	255.1250	73.9970	5475.5536	(8)
TIME	2.	DECEMBER	4905.0000	306.5625	89.8784	8078.1292	(16)
DEPTH	1.	TOP--10CM	2284.0000	285.5000	66.6097	4436.8571	(8)
DEPTH	2.	BOTTOM--25CM	2621.0000	327.6250	108.9009	11859.4107	(8)
POSITION	2.	WEST REFERENCE	3909.0000	244.3125	58.1546	3381.9625	(16)
TIME	1.	SEPTEMBER	1819.0000	227.3750	18.94[illegible]	358.8393	(8)
DEPTH	1.	TOP--10CM	873.0000	218.2500	21.17[illegible]9	448.2500	(4)
DEPTH	2.	BOTTOM--25CM	946.0000	236.5000	12.92[illegible]8	167.0000	(4)
TIME	2.	DECEMBER	2090.0000	261.2500	78.946[illegible]	6232.5000	(8)
DEPTH	1.	TOP--10CM	1179.0000	294.7500	103.8585	10784.9167	(4)
DEPTH	2.	BOTTOM--25CM	911.0000	227.7500	27.6571	764.9167	(4)
POSITION	3.	EAST REFERENCE	3408.6800	227.2453	82.7698	[illegible]850.8451	(15)
TIME	1.	SEPTEMBER	1657.6800	207.2100	100.1410	100[illegible].2771	(8)
DEPTH	1.	TOP--10CM	983.0000	245.7500	77.5331	6011.5833	(4)
DEPTH	2.	BOTTOM--25CM	674.6800	168.6700	115.8479	13420.7289	(4)
TIME	2.	DECEMBER	1751.0000	250.1429	56.0251	3138.8095	(7)
DEPTH	1.	TOP--10CM	1129.0000	282.2500	45.9955	2115.5833	([illegible])
DEPTH	2.	BOTTOM--25CM	622.0000	207.3333	37.8462	143[illegible].3333	(3)
POSITION	4.	FRINGE DISPOSAL	23515.0000	252.8495	45.6827	2086.9119	(93)
TIME	1.	SEPTEMBER	11431.0000	243.2128	44.4204	1973.1711	(47)
DEPTH	1.	TOP--10CM	5630.0000	234.5833	22.4943	505.9928	([illegible])
DEPTH	2.	BOTTOM--25CM	5801.0000	252.2174	58.5724	3430.7233	(23)
TIME	2.	DECEMBER	12084.0000	262.6957	45.3151	2053.4[illegible]	(46)
DEPTH	1.	TOP--10CM	6373.0000	265.5417	35.1295	1234.0[illegible]1	(24)
DEPTH	2.	BOTTOM--25CM	5711.0000	259.5909	55.0391	3029.3009	(22)

TOTAL CASES = 160
MISSING CASES = 4 OR 2.5 PCT.

(Continued)

Table 1 (Continued)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE MN(P)
MARKED DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			499.3900	3.2630	2.6202	6.8662	(153)
POSITION	1.	CENTRAL DISPOSAL	127.6900	4.2563	2.7781	7.7175	(30)
TIME	1.	SEPTEMBER	61.9600	3.8688	1.4559	2.1196	(16)
DEPTH	1.	TOP--10CM	35.4000	4.4250	1.4077	1.9817	(8)
DEPTH	2.	BOTTOM--25CM	24.5600	3.5125	.4422	.1955	(7)
TIME	2.	DECEMBER	65.7800	4.6986	3.7784	14.2766	(14)
DEPTH	1.	TOP--10CM	34.7800	4.9571	4.9580	24.5795	(7)
DEPTH	2.	BOTTOM--25CM	31.0000	4.4688	3.4877	5.7972	(7)
POSITION	2.	EAST REFERENCE	6.7600	.4520	.4532	.2054	(15)
TIME	1.	SEPTEMBER	4.7300	.5537	.5072	.3248	(8)
DEPTH	1.	TOP--10CM	3.7600	.7800	.6776	.4590	(4)
DEPTH	2.	BOTTOM--25CM	1.3900	.3475	.0780	.0061	(4)
TIME	2.	DECEMBER	2.3500	.1757	.2177	.0474	(7)
DEPTH	1.	TOP--10CM	.4900	.4967	.2194	.0481	(3)
DEPTH	2.	BOTTOM--25CM	.8600	.2150	.1310	.0172	(4)
POSITION	3.	EAST REFERENCE	5.1900	.3746	.2035	.0414	(14)
TIME	1.	SEPTEMBER	1.8900	.2363	.1307	.0195	(8)
DEPTH	1.	TOP--10CM	1.3900	.3450	.1121	.0126	(4)
DEPTH	2.	BOTTOM--25CM	.5100	.1275	.0379	.0014	(4)
TIME	2.	DECEMBER	3.3600	.4125	.0269	.0515	(6)
DEPTH	1.	TOP--10CM	2.1900	.5475	.2421	.0586	(4)
DEPTH	2.	BOTTOM--25CM	1.1100	.2775	.1139	.0129	(4)
POSITION	4.	FRINGE DISPOSAL	359.7400	3.9102	2.1345	5.4498	(92)
TIME	1.	SEPTEMBER	185.9600	3.9566	2.1316	5.4369	(47)
DEPTH	1.	TOP--10CM	82.5000	3.5870	1.9335	3.7382	(23)
DEPTH	2.	BOTTOM--25CM	103.4600	4.3108	2.6513	7.0296	(24)
TIME	2.	DECEMBER	173.7800	3.8618	2.3628	5.5828	(45)
DEPTH	1.	TOP--10CM	84.2800	3.8973	2.2844	5.2183	(22)
DEPTH	2.	BOTTOM--25CM	89.5800	3.8948	2.4968	6.1822	(23)

TOTAL CASES = 160
MISSING CASES = 7 OR 4.4 PCT.

(Continued)

Table 1 (Continued)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE ASKED
BROKEN DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			2589.0000	16.1812	10.1652	103.3317	160
POSITION	1.	CENTRAL DISPOSAL	445.0000	13.9063	4.1298	17.7554	32
TIME	1.	SEPTEMBER	218.0000	13.6250	3.4254	11.7333	16
DEPTH	1.	TOP--10CM	106.0000	13.2500	2.9041	8.4357	8
DEPTH	2.	BOTTOM--25CM	110.0000	13.7500	4.0247	16.2143	8
TIME	2.	DECEMBER	229.0000	14.3125	4.8127	23.1625	16
DEPTH	1.	TOP--10CM	101.0000	12.6250	4.1209	16.9821	8
DEPTH	2.	BOTTOM--25CM	128.0000	16.0000	5.2067	27.0286	8
POSITION	2.	WEST REFERENCE	154.0000	9.6250	2.3910	5.7167	16
TIME	1.	SEPTEMBER	72.0000	9.0000	2.0284	4.1143	8
DEPTH	1.	TOP--10CM	40.0000	10.0000	1.4142	2.0000	4
DEPTH	2.	BOTTOM--25CM	32.0000	8.0000	1.4142	2.0000	4
TIME	2.	DECEMBER	82.0000	10.2500	1.8323	3.3571	8
DEPTH	1.	TOP--10CM	45.0000	11.2500	2.0616	4.2500	4
DEPTH	2.	BOTTOM--25CM	37.0000	9.2500	.9574	.9167	4
POSITION	3.	EAST REFERENCE	297.0000	18.5625	10.7949	116.5292	16
TIME	1.	SEPTEMBER	150.0000	18.7500	14.9443	223.3929	8
DEPTH	1.	TOP--10CM	59.0000	14.7500	3.7749	14.2500	4
DEPTH	2.	BOTTOM--25CM	100.0000	25.0000	20.9167	437.3333	4
TIME	2.	DECEMBER	138.0000	17.2500	4.8917	23.9286	8
DEPTH	1.	TOP--10CM	79.0000	19.7500	5.1881	26.9167	4
DEPTH	2.	BOTTOM--25CM	59.0000	14.7500	3.5000	12.2500	4
POSITION	4.	PRIME DISPOSAL	1691.0000	17.4330	11.4628	131.4005	97
TIME	1.	SEPTEMBER	861.0000	17.9375	14.4031	207.3298	48
DEPTH	1.	TOP--10CM	327.0000	13.6250	8.9393	79.9255	24
DEPTH	2.	BOTTOM--25CM	534.0000	22.2500	17.0328	290.1848	24
TIME	2.	DECEMBER	830.0000	17.2917	8.2957	68.8333	48
DEPTH	1.	TOP--10CM	328.0000	13.6667	4.1354	17.1014	24
DEPTH	2.	BOTTOM--25CM	504.0000	21.0000	9.6143	92.4348	24

TOTAL CASES = 160

(Continued)

POLLUTION DYNAMICS--SEDIMENT SAMPLES

Table 1 (Continued)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE ASIN
BROKEN DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			3711.4000	48.1941	34.5574	1194.2110	(77)
POSITION	1.	CENTRAL DISPOSAL	855.0000	57.0000	50.9453	2595.4286	(15)
TIME	1.	SEPTEMBER	855.0000	57.0000	50.9453	2595.4286	(15)
DEPTH	1.	TOP--10CM	432.0000	54.0000	55.1302	3044.8571	(8)
DEPTH	2.	BOTTOM--25CM	423.0000	60.4286	49.7790	2477.9524	(7)
POSITION	2.	WEST REFERENCE	331.0000	55.5000	7.7395	59.9000	(6)
TIME	1.	SEPTEMBER	331.0000	55.5000	7.7395	59.9000	(6)
DEPTH	1.	TOP--10CM	169.0000	56.3333	10.5048	110.3333	(3)
DEPTH	2.	BOTTOM--25CM	164.0000	54.6667	6.1101	37.3333	(3)
POSITION	3.	EAST REFERENCE	352.4000	50.3429	21.6831	560.8095	(7)
TIME	1.	SEPTEMBER	352.4000	50.3429	21.6831	560.8095	(7)
DEPTH	1.	TOP--10CM	195.0000	65.0000	9.9394	91.0000	(3)
DEPTH	2.	BOTTOM--25CM	157.4000	39.3500	24.1755	685.1567	(4)
POSITION	4.	FRINGE DISPOSAL	2171.8000	47.1957	31.9372	1019.9831	(46)
TIME	1.	SEPTEMBER	2171.8000	47.1957	31.9372	1019.9831	(46)
DEPTH	1.	TOP--10CM	957.0000	41.6087	24.8978	586.7026	(23)
DEPTH	2.	BOTTOM--25CM	1214.8000	52.7826	37.9521	1440.3597	(23)

TOTAL CASES = 160
MISSING CASES = 84 OR 53.7 PCT.

(Continued)

POLLUTION DYNAMICS--SEDIMENT SAMPLER

Table 1 (Continued)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE MOSED
BROKEN DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			60.3200	.9116	1.3982	1.9551	(157)
POSITION	1.	CENTRAL DISPOSAL	5.8500	.1828	.1557	.0242	(32)
TIME	1.	SEPTEMBER	1.4100	.0881	.0951	.0090	(16)
DEPTH	1.	TOP--10CM	1.0100	.1262	.1248	.0156	(8)
DEPTH	2.	BOTTOM--25CM	.4000	.0500	.0378	.0005	(8)
TIME	2.	DECEMBER	4.4400	.2775	.1481	.0219	(16)
DEPTH	1.	TOP--10CM	2.2100	.2762	.1859	.0346	(8)
DEPTH	2.	BOTTOM--25CM	2.2300	.2788	.1115	.0124	(8)
POSITION	2.	WEST REFERENCE	3.6500	.2281	.1643	.0270	(16)
TIME	1.	SEPTEMBER	.6400	.0800	.0219	.0005	(8)
DEPTH	1.	TOP--10CM	.3400	.0850	.0294	.0009	(4)
DEPTH	2.	BOTTOM--25CM	.3000	.0750	.0100	.0001	(4)
TIME	2.	DECEMBER	2.9900	.3738	.0963	.0089	(8)
DEPTH	1.	TOP--10CM	1.2200	.3050	.0173	.0003	(4)
DEPTH	2.	BOTTOM--25CM	1.7700	.4425	.0085	.0072	(4)
POSITION	3.	EAST REFERENCE	31.5200	2.1013	3.9607	15.6869	(15)
TIME	1.	SEPTEMBER	19.0200	2.3775	5.6354	30.3115	(8)
DEPTH	1.	TOP--10CM	1.6000	.4000	.1479	.0219	(4)
DEPTH	2.	BOTTOM--25CM	17.4200	4.3550	7.7618	60.2770	(4)
TIME	2.	DECEMBER	12.5000	1.7857	1.0187	1.0214	(7)
DEPTH	1.	TOP--10CM	3.2400	1.0800	.2668	.0712	(3)
DEPTH	2.	BOTTOM--25CM	9.2600	2.1500	1.2583	1.5833	(4)
POSITION	4.	FRINGE DISPOSAL	38.3000	.4181	.4619	.4381	(96)
TIME	1.	SEPTEMBER	10.4100	.2169	.2846	.0832	(48)
DEPTH	1.	TOP--10CM	3.2800	.1367	.1377	.0190	(24)
DEPTH	2.	BOTTOM--25CM	7.1300	.2971	.3709	.1374	(24)
TIME	2.	DECEMBER	27.8900	.5810	.9545	.7302	(48)
DEPTH	1.	TOP--10CM	7.5300	.3137	.2137	.0457	(24)
DEPTH	2.	BOTTOM--25CM	21.3600	.9900	1.1348	1.2788	(22)

TOTAL CASES = 160
MISSING CASES = 3 OR 1.9 PCT.

(Continued)

POLLUTION DYNAMICS--SEDIMENT SAMPLES

Table 1 (Continued)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE MGTW
BROKEN DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			401.0000	5.2078	11.0016	121.0352	(77)
POSITION	1.	CENTRAL DISPOSAL	38.0000	2.5333	1.2459	1.5524	(15)
TIME	1.	SEPTEMBER	38.0000	2.5333	1.2459	1.5524	(15)
DEPTH	1.	TOP--10CM	20.0000	2.5000	1.4142	2.0000	(8)
DEPTH	2.	BOTTOM--25CM	18.0000	2.5714	1.1339	1.2857	(7)
POSITION	2.	WEST REFERENCE	53.0000	7.5714	4.9281	24.2857	(7)
TIME	1.	SEPTEMBER	53.0000	7.5714	4.9281	24.2857	(7)
DEPTH	1.	TOP--10CM	26.0000	6.5000	2.6833	6.3333	(4)
DEPTH	2.	BOTTOM--25CM	27.0000	9.0000	7.8102	61.0000	(3)
POSITION	3.	EAST REFERENCE	162.0000	20.2500	30.6769	941.0714	(8)
TIME	1.	SEPTEMBER	162.0000	20.2500	30.6769	941.0714	(8)
DEPTH	1.	TOP--10CM	34.0000	8.5000	1.7321	3.0000	(4)
DEPTH	2.	BOTTOM--25CM	128.0000	32.0000	42.7141	1824.6667	(4)
POSITION	4.	FRINGE DISPOSAL	148.0000	3.1489	2.5020	6.2599	(47)
TIME	1.	SEPTEMBER	148.0000	3.1489	2.5020	6.2599	(47)
DEPTH	1.	TOP--10CM	69.0000	3.0000	2.1741	5.4364	(23)
DEPTH	2.	BOTTOM--25CM	79.0000	3.2917	2.8618	7.8551	(24)

TOTAL CASES = 148
MISSING CASES = 83 OR 51.5 PCT.

(Continued)

POLLUTION DYNAMICS--SEDIMENT SAMPLES

Table 1 (Continued)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE CASCO
BROKEN DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			12288.7000	76.7919	21.7973	566.3130	(160)
POSITION	1.	CENTRAL DISPOSAL	2236.0000	69.8750	10.1814	103.6613	(32)
TIME	1.	SEPTEMBER	1094.0000	68.3750	8.5781	73.5833	(16)
DEPTH	1.	TOP--10CM	580.0000	72.5000	9.9139	98.2857	(8)
DEPTH	2.	BOTTOM--25CM	514.0000	64.2500	5.0071	25.0714	(8)
TIME	2.	DECEMBER	1138.0000	71.1250	11.7182	137.3167	(16)
DEPTH	1.	TOP--10CM	594.0000	74.2500	14.1497	200.2143	(8)
DEPTH	2.	BOTTOM--25CM	544.0000	68.0000	8.4684	71.7143	(8)
POSITION	2.	WEST REFERENCE	1942.0000	121.3750	41.1213	1859.4500	(16)
TIME	1.	SEPTEMBER	1032.0000	129.0000	61.1468	3762.4286	(8)
DEPTH	1.	TOP--10CM	643.0000	160.7500	74.7149	5582.2500	(4)
DEPTH	2.	BOTTOM--25CM	389.0000	97.2500	22.4035	518.9167	(4)
TIME	2.	DECEMBER	910.0000	113.7500	8.1932	88.7143	(8)
DEPTH	1.	TOP--10CM	432.0000	108.0000	8.4007	423.3333	(4)
DEPTH	2.	BOTTOM--25CM	478.0000	119.5000	8.6892	75.6667	(4)
POSITION	3.	EAST REFERENCE	1312.7000	82.0437	24.1794	584.6440	(16)
TIME	1.	SEPTEMBER	636.7000	79.5875	32.5906	1062.7327	(8)
DEPTH	1.	TOP--10CM	359.0000	89.7500	8.1883	66.9167	(4)
DEPTH	2.	BOTTOM--25CM	277.7000	69.4250	46.2019	2137.5892	(4)
TIME	2.	DECEMBER	676.0000	84.5000	13.2773	176.2857	(8)
DEPTH	1.	TOP--10CM	379.0000	94.7500	8.5391	72.9167	(4)
DEPTH	2.	BOTTOM--25CM	297.0000	74.2500	7.6322	58.2500	(4)
POSITION	4.	FRINGE DISPOSAL	6796.0000	70.7917	11.6699	136.1877	(96)
TIME	1.	SEPTEMBER	3406.0000	68.8750	11.8978	141.5585	(48)
DEPTH	1.	TOP--10CM	1709.0000	71.2083	11.6374	135.4248	(24)
DEPTH	2.	BOTTOM--25CM	1597.0000	66.5417	10.4936	110.0851	(24)
TIME	2.	DECEMBER	3490.0000	72.7083	11.2344	126.2110	(48)
DEPTH	1.	TOP--10CM	1758.0000	73.2500	10.6476	113.4022	(24)
DEPTH	2.	BOTTOM--25CM	1732.0000	72.1667	12.1715	148.1449	(24)

TOTAL CASES = 160

(Continued)

POLLUTION DYNAMICS--SEDIMENT SAMPLES

Table 1 (Continued)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE S (Free Sulfide)
BROKEN DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE		N
FOR ENTIRE POPULATION			8.9528	.0560	.0428	.0121	(	160)
POSITION	1.	CENTRAL DISPOSAL	.0098	.0001	.0001	.0000	(	32)
TIME	1.	SEPTEMBER	.0014	.0001	.0001	.0000	(	16)
DEPTH	1.	TOP--10CM	.0004	.0001	.0001	.0000	(	8)
DEPTH	2.	BOTTOM--25CM	.0010	.0001	.0001	.0000	(	8)
TIME	2.	DECEMBER	.0084	.0007	.0001	.0000	(	16)
DEPTH	1.	TOP--10CM	.0009	.0001	.0002	.0000	(	8)
DEPTH	2.	BOTTOM--25CM	.0075	.0001	.0001	.0000	(	8)
POSITION	2.	WEST REFERENCE	.0044	.0003	.0004	.0000	(	16)
TIME	1.	SEPTEMBER	.0000	.0000	0	0	(	8)
DEPTH	1.	TOP--10CM	.0000	.0000	0	0	(	4)
DEPTH	2.	BOTTOM--25CM	.0000	.0000	0	0	(	4)
TIME	2.	DECEMBER	.0044	.0006	.0004	.0000	(	8)
DEPTH	1.	TOP--10CM	.0035	.0009	.0002	.0000	(	4)
DEPTH	2.	BOTTOM--25CM	.0019	.0003	.0003	.0000	(	4)
POSITION	3.	EAST REFERENCE	8.8228	.5517	2.8192	4.6772	(	16)
TIME	1.	SEPTEMBER	.0000	.0000	0	0	(	8)
DEPTH	1.	TOP--10CM	.0000	.0000	0	0	(	4)
DEPTH	2.	BOTTOM--25CM	.0000	.0000	0	0	(	4)
TIME	2.	DECEMBER	8.8228	1.1034	3.8256	8.0687	(	8)
DEPTH	1.	TOP--10CM	.6595	.1649	.3168	.1004	(	4)
DEPTH	2.	BOTTOM--25CM	8.1675	2.0419	4.0349	16.2125	(	4)
POSITION	4.	FARFIELD DISPOSAL	.1284	.0012	.0056	.0000	(	96)
TIME	1.	SEPTEMBER	.0454	.0009	.0028	.0000	(	48)
DEPTH	1.	TOP--10CM	.0189	.0017	.0038	.0000	(	24)
DEPTH	2.	BOTTOM--25CM	.0265	.0002	.0010	.0000	(	24)
TIME	2.	DECEMBER	.0731	.0015	.0074	.0001	(	48)
DEPTH	1.	TOP--10CM	.0578	.0024	.0104	.0001	(	24)
DEPTH	2.	BOTTOM--25CM	.0153	.0006	.0015	.0000	(	24)

TOTAL CASES = 160

(Continued)

Table 1 (Continued)

- - - - - - - - D E S C R I P T I O N   O F   S U B P O P U L A T I O N S - - - - - - - -

CRITERION VARIABLE   CP1 [illegible]
  BROKEN DOWN BY   POSITION
             BY   TIME
             BY   DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	(N)
FOR ENTIRE POPULATION			922.0000	5.7428	4.6900	[illegible]	([illegible])
POSITION	1.	CENTRAL DISPOSAL	143.0000	4.4688	2.0720	[illegible]	([illegible])
TIME	1.	SEPTEMBER	69.0000	4.3125	1.6621	2.7625	([illegible])
DEPTH	1.	TOP--10CM	42.0000	[illegible]	1.6900	[illegible]	([illegible])
DEPTH	2.	BOTTOM--25CM	27.0000	3.3750	1.3025	1.6964	([illegible])
TIME	2.	DECEMBER	74.0000	4.6250	3.9370	15.4000	([illegible])
DEPTH	1.	TOP--10CM	40.0000	5.0000	4.7726	22.2857	([illegible])
DEPTH	2.	BOTTOM--25CM	34.0000	4.2500	3.2404	10.5000	([illegible])
POSITION	2.	WEST REFERENCE	115.0000	7.1875	3.8987	15.2000	([illegible])
TIME	1.	SEPTEMBER	70.0000	8.7500	2.9277	8.5714	([illegible])
DEPTH	1.	TOP--10CM	29.0000	7.2500	3.3040	10.9167	([illegible])
DEPTH	2.	BOTTOM--25CM	41.0000	10.2500	[illegible]	[illegible]	([illegible])
TIME	2.	DECEMBER	39.0000	4.8750	1.1260	1.2679	([illegible])
DEPTH	1.	TOP--10CM	19.0000	4.7500	.9574	.9167	([illegible])
DEPTH	2.	BOTTOM--25CM	20.0000	5.0000	1.4142	2.0000	([illegible])
POSITION	3.	EAST REFERENCE	134.0000	8.3750	4.9518	[illegible]	([illegible])
TIME	1.	SEPTEMBER	53.0000	6.6250	3.3764	11.4107	([illegible])
DEPTH	1.	TOP--10CM	33.0000	8.2500	4.0311	16.2500	([illegible])
DEPTH	2.	BOTTOM--25CM	20.0000	5.0000	1.8257	3.3333	([illegible])
TIME	2.	DECEMBER	81.0000	10.1250	8.1493	66.4107	([illegible])
DEPTH	1.	TOP--10CM	45.0000	11.2500	10.6262	112.9167	([illegible])
DEPTH	2.	BOTTOM--25CM	36.0000	9.0000	6.2183	38.6667	([illegible])
POSITION	4.	FRINGE DISPOSAL	530.0000	5.5208	5.4590	29.8101	(96)
TIME	1.	SEPTEMBER	274.0000	5.7083	6.0762	36.9210	(48)
DEPTH	1.	TOP--10CM	74.0000	3.0833	2.4716	6.1087	([illegible])
DEPTH	2.	BOTTOM--25CM	201.0000	8.3750	7.6549	58.6250	(24)
TIME	2.	DECEMBER	251.0000	5.2292	4.8126	23.1591	(48)
DEPTH	1.	TOP--10CM	85.0000	3.5417	2.3219	5.3895	(24)
DEPTH	2.	BOTTOM--25CM	166.0000	6.9167	5.9994	35.9928	(24)

TOTAL CASES =   160

(Continued)

POLLUTION DYNAMICS--SEDIMENT SAMPLES

Table 1 (Continued)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE CD3 (Coarse Fraction 2)
BROKEN DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			1754.7000	10.5794	7.0853	50.2016	(166)
POSITION	1.	CENTRAL DISPOSAL	303.6000	9.4875	4.8356	23.3831	(32)
TIME	1.	SEPTEMBER	141.6000	8.8500	3.1845	10.1417	(16)
DEPTH	1.	TOP--10CM	83.0000	10.3750	3.6289	9.1736	(8)
DEPTH	2.	BOTTOM--25CM	58.6000	7.4500	2.4490	6.0771	(8)
TIME	2.	DECEMBER	162.0000	10.1250	6.1237	37.5167	(16)
DEPTH	1.	TOP--10CM	86.0000	10.7500	6.4047	41.0714	(8)
DEPTH	2.	BOTTOM--25CM	76.0000	9.5000	6.1644	38.0000	(8)
POSITION	2.	WEST REFERENCE	261.9000	16.3687	4.9617	24.6183	(16)
TIME	1.	SEPTEMBER	130.9000	16.3625	6.2951	39.6284	(8)
DEPTH	1.	TOP--10CM	69.4000	17.3500	8.0868	65.3967	(4)
DEPTH	2.	BOTTOM--25CM	61.5000	15.3750	4.9468	24.4692	(4)
TIME	2.	DECEMBER	131.0000	16.3750	3.4278	13.1250	(8)
DEPTH	1.	TOP--10CM	65.0000	16.2500	2.3629	5.5833	(4)
DEPTH	2.	BOTTOM--25CM	66.0000	16.5000	5.0000	25.0000	(4)
POSITION	3.	EAST REFERENCE	97.0000	6.0625	3.4849	9.2458	(16)
TIME	1.	SEPTEMBER	48.0000	6.0000	2.2039	4.8571	(8)
DEPTH	1.	TOP--10CM	25.0000	6.2500	2.8868	8.3333	(4)
DEPTH	2.	BOTTOM--25CM	23.0000	5.7500	2.6300	6.9167	(4)
TIME	2.	DECEMBER	49.0000	6.1250	3.9785	15.8393	(8)
DEPTH	1.	TOP--10CM	22.0000	5.5000	1.7321	3.0000	(4)
DEPTH	2.	BOTTOM--25CM	27.0000	6.7500	4.8735	23.7500	(4)
POSITION	4.	FRINGE DISPOSAL	1094.2000	11.3979	7.8481	61.5674	(96)
TIME	1.	SEPTEMBER	537.2000	11.1083	7.4563	55.5965	(48)
DEPTH	1.	TOP--10CM	200.1000	8.3375	5.2367	27.4233	(24)
DEPTH	2.	BOTTOM--25CM	337.1000	13.8792	8.3764	70.1643	(24)
TIME	2.	DECEMBER	561.0000	11.6875	8.1749	66.8147	(48)
DEPTH	1.	TOP--10CM	209.0000	8.7083	4.6202	21.3400	(24)
DEPTH	2.	BOTTOM--25CM	352.0000	14.6667	10.0029	100.0580	(24)

TOTAL CASES = 166

(Continued)

POLLUTION DYNAMICS--SEDIMENT SAMPLES

Table 1 (Continued)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE CF3 (Coarse Fraction 3)
BROKEN DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			3144.3000	19.6519	8.4542	69.4308	(160)
POSITION	1.	CENTRAL DISPOSAL	609.3000	19.0531	11.2482	126.9219	(32)
TIME	1.	SEPTEMBER	311.7000	19.4813	12.1616	147.9063	(16)
DEPTH	1.	TOP--10CM	148.9000	18.6125	11.6002	121.0041	(8)
DEPTH	2.	BOTTOM--25CM	162.8000	20.3500	13.0359	194.2086	(8)
TIME	2.	DECEMBER	298.0000	18.6250	10.6388	113.1633	(16)
DEPTH	1.	TOP--10CM	149.0000	18.6250	11.5380	133.1250	(8)
DEPTH	2.	BOTTOM--25CM	149.0000	18.6250	10.4800	109.4107	(8)
POSITION	2.	WEST REFERENCE	368.2000	23.0125	13.0591	194.8250	(16)
TIME	1.	SEPTEMBER	201.2000	25.1500	19.7877	391.5514	(8)
DEPTH	1.	TOP--10CM	70.6000	17.6500	4.3882	19.2547	(4)
DEPTH	2.	BOTTOM--25CM	130.6000	32.6500	27.2830	744.3633	(4)
TIME	2.	DECEMBER	167.0000	20.8750	3.6438	13.2679	(8)
DEPTH	1.	TOP--10CM	88.0000	22.0000	3.6590	13.3867	(4)
DEPTH	2.	BOTTOM--25CM	79.0000	19.7500	4.5000	20.2500	(4)
POSITION	3.	EAST REFERENCE	109.6000	6.8500	3.9716	15.7733	(16)
TIME	1.	SEPTEMBER	49.6000	6.2000	1.9213	3.6914	(8)
DEPTH	1.	TOP--10CM	21.0000	5.2500	.5000	.2500	(4)
DEPTH	2.	BOTTOM--25CM	28.6000	7.1500	2.2970	5.2733	(4)
TIME	2.	DECEMBER	60.0000	7.5000	5.4094	29.1429	(8)
DEPTH	1.	TOP--10CM	31.0000	7.7500	5.2681	26.9167	(4)
DEPTH	2.	BOTTOM--25CM	29.0000	7.2500	6.3966	40.9167	(4)
POSITION	4.	FRINGE DISPOSAL	2056.8000	21.4250	6.9064	47.7115	(96)
TIME	1.	SEPTEMBER	1073.8000	22.3708	6.8102	46.3791	(48)
DEPTH	1.	TOP--10CM	601.7000	25.1542	6.6950	44.8235	(24)
DEPTH	2.	BOTTOM--25CM	470.1000	19.5875	5.8124	33.7838	(24)
TIME	2.	DECEMBER	983.0000	20.4792	6.1174	37.3613	(48)
DEPTH	1.	TOP--10CM	538.0000	22.4167	6.5134	42.4275	(24)
DEPTH	2.	BOTTOM--25CM	445.0000	18.5417	5.1074	26.0851	(24)

TOTAL CASES = 160

(Continued)

Table 1 (Continued)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE CF4 (Coarse Fraction 4)
BROKEN DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			3826.5000	19.8776	8.0784	65.2608	(192)
POSITION	1.	CENTRAL DISPOSAL	537.6000	16.8000	7.5372	61.4213	(32)
TIME	1.	SEPTEMBER	244.6000	15.2875	6.5116	42.4012	(16)
DEPTH	1.	TOP--10CM	117.3000	14.6625	5.7894	33.5455	(8)
DEPTH	2.	BOTTOM--25CM	127.3000	15.9125	7.5826	57.5089	(8)
TIME	2.	DECEMBER	291.0000	18.1875	8.0692	65.1092	(16)
DEPTH	1.	TOP--10CM	138.0000	17.2500	8.4883	72.0357	(8)
DEPTH	2.	BOTTOM--25CM	153.0000	19.1250	9.5385	90.9821	(8)
POSITION	2.	WEST REFERENCE	290.8000	18.1750	5.2273	16.4153	(16)
TIME	1.	SEPTEMBER	148.6000	17.5750	3.1712	9.7421	(8)
DEPTH	1.	TOP--10CM	72.2000	18.0500	3.8503	15.3567	(4)
DEPTH	2.	BOTTOM--25CM	68.4000	17.1000	2.4596	7.0733	(4)
TIME	2.	DECEMBER	159.0000	19.8750	1.8909	3.5536	(8)
DEPTH	1.	TOP--10CM	77.0000	19.2500	1.8610	3.4633	(4)
DEPTH	2.	BOTTOM--25CM	82.0000	20.5000	4.2032	17.6667	(4)
POSITION	3.	EAST REFERENCE	104.1000	6.5062	2.4091	5.8073	(16)
TIME	1.	SEPTEMBER	45.1000	5.6375	1.9078	3.6398	(8)
DEPTH	1.	TOP--10CM	19.6000	4.9000	1.4610	2.1333	(4)
DEPTH	2.	BOTTOM--25CM	24.1000	6.0250	1.0178	1.0358	(4)
TIME	2.	DECEMBER	59.0000	7.3750	2.1585	4.6607	(8)
DEPTH	1.	TOP--10CM	28.0000	7.0000	2.4658	6.0800	(4)
DEPTH	2.	BOTTOM--25CM	31.0000	7.7500	1.7749	14.2500	(4)
POSITION	4.	FRINGE DISPOSAL	2885.2000	21.0895	7.0477	49.6698	(95)
TIME	1.	SEPTEMBER	1060.2000	22.5574	7.2765	52.9477	(47)
DEPTH	1.	TOP--10CM	576.9000	25.0826	5.1804	26.8197	(23)
DEPTH	2.	BOTTOM--25CM	483.3000	20.1375	8.2255	67.6590	(24)
TIME	2.	DECEMBER	1825.0000	21.7262	6.8481	46.8868	(48)
DEPTH	1.	TOP--10CM	554.8000	23.0333	5.6254	31.6449	(24)
DEPTH	2.	BOTTOM--25CM	471.0000	19.6250	7.5078	57.7228	(24)

TOTAL CASES = 160
MISSING CASES = 1 OR .6 PCT.

(Continued)

Table 1 (Continued)

FILE AGGREGAT (CREATION DATE = [illegible]/22/77)

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CRITERION VARIABLE SILT
BROKEN DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			6954.8000	43.4675	16.3287	266.[illegible]	(160)
POSITION	1.	CENTRAL DISPOSAL	1595.4000	49.8563	21.5864	465.9742	(32)
TIME	1.	SEPTEMBER	826.4000	51.6500	21.0227	441.9533	(16)
DEPTH	1.	TOP--10CM	434.6000	54.3250	17.6938	309.8336	(8)
DEPTH	2.	BOTTOM--25CM	391.8000	48.9750	24.9157	620.7936	(8)
TIME	2.	DECEMBER	769.0000	48.0625	22.6759	514.1940	(16)
DEPTH	1.	TOP--10CM	387.0000	48.3750	23.4780	550.8393	(8)
DEPTH	2.	BOTTOM--25CM	382.0000	47.7500	23.4680	550.7857	(8)
POSITION	2.	WEST REFERENCE	563.5000	35.2188	8.4895	72.0723	(16)
TIME	1.	SEPTEMBER	265.5000	33.1875	9.1386	83.5170	(8)
DEPTH	1.	TOP--10CM	137.2000	34.3000	9.2941	86.3800	(4)
DEPTH	2.	BOTTOM--25CM	128.3000	32.0750	10.2393	104.8425	(4)
TIME	2.	DECEMBER	298.0000	37.2500	7.8513	61.6429	(8)
DEPTH	1.	TOP--10CM	141.0000	35.2500	8.8835	78.9167	(4)
DEPTH	2.	BOTTOM--25CM	157.0000	39.2500	7.3655	54.2500	(4)
POSITION	3.	EAST REFERENCE	1011.8000	63.2375	15.4486	238.6565	(16)
TIME	1.	SEPTEMBER	530.8000	66.3500	10.7964	116.5629	(8)
DEPTH	1.	TOP--10CM	241.0000	60.2500	12.3544	152.6[illegible]	(4)
DEPTH	2.	BOTTOM--25CM	289.8000	72.4500	4.4929	20.[illegible]	(4)
TIME	2.	DECEMBER	481.0000	60.1250	19.3053	372.6964	(8)
DEPTH	1.	TOP--10CM	226.0000	56.5000	15.3514	235.6667	(4)
DEPTH	2.	BOTTOM--25CM	255.0000	63.7500	24.4728	598.9167	(4)
POSITION	4.	FRINGE DISPOSAL	3784.1000	39.4177	11.7271	137.5242	(96)
TIME	1.	SEPTEMBER	1863.1000	38.8146	11.3333	128.4447	(48)
DEPTH	1.	TOP--10CM	980.8000	40.8667	11.2924	127.5180	(24)
DEPTH	2.	BOTTOM--25CM	882.3000	36.7625	11.2374	126.2677	(24)
TIME	2.	DECEMBER	1921.0000	40.0208	12.1978	148.7868	(48)
DEPTH	1.	TOP--10CM	955.0000	39.7917	11.3673	129.2156	(24)
DEPTH	2.	BOTTOM--25CM	966.0000	40.2500	13.2181	174.7174	(24)

TOTAL CASES = 160

(Continued)

Table 1 (Continued)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE CLAY
BROKEN DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			555.8000	3.9145	5.9491	38.7921	1581
POSITION	1.	CENTRAL DISPOSAL	79.4000	2.4813	4.4043	19.3977	329
TIME	1.	SEPTEMBER	41.4000	2.5875	4.8808	23.8145	161
DEPTH	1.	TOP--10CM	.4000	.0500	.1414	.0200	8
DEPTH	2.	BOTTOM--25CM	41.0000	5.1250	6.6244	38.2976	8
TIME	2.	DECEMBER	38.0000	2.3750	4.0311	16.2500	161
DEPTH	1.	TOP--10CM	12.0000	1.5000	2.8787	4.2857	8
DEPTH	2.	BOTTOM--25CM	26.0000	3.2500	5.3852	28.7857	8
POSITION	2.	WEST REFERENCE	53.3000	3.3312	3.7395	13.9836	161
TIME	1.	SEPTEMBER	37.3000	4.6625	3.8095	14.5178	81
DEPTH	1.	TOP--10CM	14.6000	3.6500	3.4369	11.8057	41
DEPTH	2.	BOTTOM--25CM	22.7000	5.6750	2.5395	6.4492	41
TIME	2.	DECEMBER	16.0000	2.0000	4.1097	16.8571	81
DEPTH	1.	TOP--10CM	14.0000	3.5000	5.6842	32.3333	41
DEPTH	2.	BOTTOM--25CM	2.0000	.5000	1.0000	1.0000	41
POSITION	3.	EAST REFERENCE	154.9000	9.6812	9.6425	92.9378	161
TIME	1.	SEPTEMBER	78.4000	9.8000	11.8074	121.1627	81
DEPTH	1.	TOP--10CM	61.3000	15.3250	13.9787	194.8892	41
DEPTH	2.	BOTTOM--25CM	17.6000	4.4000	3.9271	9.1373	41
TIME	2.	DECEMBER	76.5000	9.5625	8.6318	74.5000	81
DEPTH	1.	TOP--10CM	51.0000	12.7500	11.2993	127.5833	41
DEPTH	2.	BOTTOM--25CM	23.0000	5.7500	4.1130	16.9167	41
POSITION	4.	FRINGE DISPOSAL	268.0000	2.8511	4.8721	28.9040	941
TIME	1.	SEPTEMBER	134.3000	2.9565	4.3104	26.5794	461
DEPTH	1.	TOP--10CM	49.3000	2.1435	4.4381	19.6971	231
DEPTH	2.	BOTTOM--25CM	86.7000	3.7696	4.1139	16.9240	231
TIME	2.	DECEMBER	132.0000	2.7500	4.8512	23.5532	481
DEPTH	1.	TOP--10CM	108.0000	4.5000	6.1574	37.9130	241
DEPTH	2.	BOTTOM--25CM	24.0000	1.0000	1.9560	3.8261	241

TOTAL CASES = 160
MISSING CASES = 2 OR 1.2 PCT.

(Continued)

Table 1 (Continued)

DESCRIPTION OF SUBPOPULATIONS

DEFINITION VARIABLE POA (Inorganic Phosphate)
MARKER DATA BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV	VARIANCE	N
FOR ENTIRE POPULATION			1811.7000	13.1283	18.1441	329.2501	(138)
POSITION	1.	CENTRAL DISPOSAL	448.9000	20.3995	25.7856	665.[illegible]	(22)
TIME	1.	SEPTEMBER	431.8000	18.7739	24.4844	811.[illegible]	(14)
DEPTH	1.	TOP--10CM	215.4000	26.9250	19.3830	375.[illegible]	(8)
DEPTH	2.	BOTTOM--25CM	219.6000	35.9333	29.1084	1529.[illegible]	(6)
TIME	2.	DECEMBER	34.9000	3.8778	3.3719	11.3694	(9)
DEPTH	1.	TOP--10CM	21.8000	4.3600	3.7793	14.2880	(5)
DEPTH	2.	BOTTOM--25CM	13.1000	3.2750	1.3019	1.6925	(4)
POSITION	2.	WEST REFERENCE	37.2000	2.8615	2.2862	[illegible]	(13)
TIME	1.	SEPTEMBER	19.7000	2.8714	1.[illegible]	[illegible]	(7)
DEPTH	1.	TOP--10CM	6.4000	2.2000	.5196	.2700	(3)
DEPTH	2.	BOTTOM--25CM	12.1000	3.0250	1.4560	2.1225	(4)
TIME	2.	DECEMBER	16.5000	3.0933	3.1890	10.1697	(6)
DEPTH	1.	TOP--10CM	13.5000	4.5000	4.3301	18.7500	(3)
DEPTH	2.	BOTTOM--25CM	5.0000	1.6667	.8083	.6533	(3)
POSITION	3.	EAST REFERENCE	59.2000	3.9467	6.8175	43.7912	(15)
TIME	1.	SEPTEMBER	36.2000	5.1714	9.7345	94.7990	(7)
DEPTH	1.	TOP--10CM	3.4000	1.1333	.3215	.1033	(3)
DEPTH	2.	BOTTOM--25CM	32.8000	8.2000	17.6883	168.9067	(4)
TIME	2.	DECEMBER	23.0000	2.8750	1.8769	3.5134	(8)
DEPTH	1.	TOP--10CM	11.5000	2.8800	1.7188	2.9267	(4)
DEPTH	2.	BOTTOM--25CM	11.4000	2.8500	2.2956	5.2700	(4)
POSITION	4.	FRINGE DISPOSAL	1240.4000	14.3400	17.3534	301.1443	(87)
TIME	1.	SEPTEMBER	1038.3000	20.3588	17.4600	305.1969	(47)
DEPTH	1.	TOP--10CM	621.9000	27.0391	21.6961	470.7909	(23)
DEPTH	2.	BOTTOM--25CM	417.3000	17.3875	10.6291	112.9588	(24)
TIME	2.	DECEMBER	211.1000	5.2775	12.1492	147.6376	(40)
DEPTH	1.	TOP--10CM	139.5000	6.9750	16.8330	283.3514	(20)
DEPTH	2.	BOTTOM--25CM	71.6000	3.5800	3.6341	13.2089	(20)

TOTAL CASES = 160
MISSING CASES = 22 OR 13.7 PCT.

(Continued)

POLLUTION DYNAMICS--SEDIMENT SAMPLES

Table 1 (Concluded)

DESCRIPTION OF SUBPOPULATIONS

CRITERION VARIABLE NH4 (Ammonia)
BROKEN DOWN BY POSITION
BY TIME
BY DEPTH

VARIABLE	CODE	VALUE LABEL	SUM	MEAN	STD DEV.	VARIANCE	N
FOR ENTIRE POPULATION			1674.4800	7.9002	13.0342	169.8984	(1351)
POSITION	1.	CENTRAL DISPOSAL	357.9000	17.8950	12.7140	161.4458	(20)
TIME	1.	SEPTEMBER	157.8000	15.7800	9.6376	92.8840	(10)
DEPTH	1.	TOP--10CM	80.2000	13.3667	10.3303	106.7147	(6)
DEPTH	2.	BOTTOM--25CM	72.6000	18.1500	9.0824	82.4900	(4)
TIME	2.	DECEMBER	205.1000	20.5100	15.2700	233.1721	(10)
DEPTH	1.	TOP--10CM	131.3000	26.2600	16.4873	169.8780	(5)
DEPTH	2.	BOTTOM--25CM	73.8000	14.7600	10.2237	332.1830	(5)
POSITION	2.	WEST DIFFERENCE	31.0700	2.3900	2.8715	8.2470	(13)
TIME	1.	SEPTEMBER	7.6700	.5243	.2589	.0670	(7)
DEPTH	1.	TOP--10CM	1.0400	.1467	.1593	.0241	(3)
DEPTH	2.	BOTTOM--25CM	2.4300	.4575	.2337	.0546	(4)
TIME	2.	DECEMBER	27.4000	4.5667	3.0303	9.1827	(6)
DEPTH	1.	TOP--10CM	19.2000	6.4000	3.1575	9.9700	(3)
DEPTH	2.	BOTTOM--25CM	8.2000	2.7333	1.7039	2.9033	(3)
POSITION	3.	EAST DIFFERENCE	40.9400	3.1969	3.1491	9.9710	(13)
TIME	1.	SEPTEMBER	3.4600	.4943	.4256	.1811	(7)
DEPTH	1.	TOP--10CM	.5800	.1933	.0757	.0057	(3)
DEPTH	2.	BOTTOM--25CM	2.8800	.7200	.4471	.1997	(4)
TIME	2.	DECEMBER	46.4000	5.8000	2.1304	4.5371	(8)
DEPTH	1.	TOP--10CM	25.6000	6.4000	.2944	.0867	(4)
DEPTH	2.	BOTTOM--25CM	20.8000	5.2000	3.1038	9.6333	(4)
POSITION	4.	FRINGE DISPOSAL	639.8800	7.1765	13.0456	194.4789	(87)
TIME	1.	SEPTEMBER	187.9300	3.9985	11.8791	141.1135	(47)
DEPTH	1.	TOP--10CM	119.7400	5.2061	14.6247	276.[illegible]	(23)
DEPTH	2.	BOTTOM--25CM	68.1900	2.8412	3.8738	15.0040	(24)
TIME	2.	DECEMBER	451.9200	11.2980	15.2606	231.[illegible]	(40)
DEPTH	1.	TOP--10CM	257.4000	13.5474	19.5550	382.3982	(19)
DEPTH	2.	BOTTOM--25CM	194.5200	9.2629	10.8486	100.8144	(21)

TOTAL CASES = 160
MISSING CASES = 25 OR 15.6 PCT.

Table 2

Concentrations of Trace Metals and Nutrients in Water

Sample No.*	Depth m	Suspended Solids mg/l	Arsenic µg/l	Manganese µg/l	Mercury ng/l	Nitrate µg/l-N	Ammonia µg/l-N	Phosphate µg/l-P	Reactive Silicate mg/l-Si
				September 1976					
				Disposal Area					
6-1-S	2	1.7	2.9	16.5	35	232	30.5	67.9	1.36
6-2-S	2	1.7	3.4	17.0	21	232	29.9	60.0	1.17
6-1-M	47	0.5	3.3	16.5	--	270	1.8	60.0	1.07
6-2-M	47	1.0	2.8	16.5	22	210	3.4	52.0	.85
6-1-D	57	1.5	3.3	21.5	<10	255	1.7	57.0	1.03
6-2-D	57	1.5	2.9	22.0	<10	280	1.3	60.0	1.13
10-1-S	2	2.0	2.7	20.5	17	215	41.6	60.0	1.14
10-2-S	2	2.0	3.0	21.0	21	201	31.0	56.0	1.15
10-1-M	50	1.0	2.6	23.0	13	277	2.1	60.0	1.10
10-2-M	50	1.0	3.4	24.5	26	287	2.1	60.0	1.10
10-1-D	60	2.0	3.1	29.5	21	368	30.0	76.0	1.39
10-2-D	60	2.0	3.1	34.0	17	295	2.8	65.0	1.15
				West Reference Site					
17-1-S	2	1.1	2.0	19.0	<10	229	15.0	58.0	1.14
17-2-S	2	1.2	3.3	18.5	<10	233	10.4	55.0	1.15
17-1-M	51	0.8	2.2	20.5	25	281	1.7	53.0	1.14
17-2-M	51	1.3	2.9	18.5	<10	296	1.7	54.0	1.20
17-1-D	61	1.0	3.0	23.0	25	336	2.9	61.7	1.33
17-2-D	61	1.0	3.0	20.5	21	229	2.9	54.0	0.98
				East Reference Site					
19-1-S	2	1.3	3.3	21.5	71	246	45.6	63.0	1.25
19-2-S	2	1.7	2.6	16.5	66	275	53.0	70.7	1.49
19-1-M	39	0.5	2.7	19.0	75	290	2.8	62.0	1.37
19-2-M	39	0.8	2.8	18.5	44	299	2.8	63.0	1.42
19-1-D	49	1.0	2.4	19.0	71	185	7.6	43.0	0.84
19-2-D	49	1.0	3.0	19.5	71	219	5.5	50.0	0.90

(Continued)

* First digit indicates station location, second digit indicates cast, letter indicates depth location, surface, middle, deep.

Table 2 (Continued)

Sample No.	Depth m	Suspended Solids mg/l	Arsenic µg/l	Manganese µg/l	Mercury ng/l	Nitrate µg/l-N	Ammonia µg/l-N	Phosphate µg/l-P	Reactive Silicate µg/l-Si
				Duwamish River Mouth					
44-1-S	2	1.3	2.8	19.8	21	219	21.3	54.0	1.11
44-2-S	2	1.3	2.8	15.0	25	159	20.8	46.0	0.96
44-1-M	39	0.5	3.0	16.0	36	269	4.6	58.6	1.17
44-2-M	39	0.9	2.7	17.3	22	276	4.6	60.0	1.22
44-1-D	49	1.3	2.9	21.0	<10	271	5.5	60.0	1.11
44-2-D	49	1.3	2.7	19.0	<10	261	5.2	58.3	1.11
				December 1976					
				Disposal Area					
6-1-S	2	0.4	2.9	13.0	10	350	16.9	76.0	1.39
6-2-S	2	0.4	2.5	13.3	35	357	19.5	80.0	1.42
6-1-M	49	0.6	2.7	14.5	34	367	6.4	77.8	1.38
6-2-M	49	1.0	2.7	15.0	14	475	89.5	78.0	1.41
6-1-D	59	1.3	2.9	21.3	33	357	6.7	80.9	1.43
6-2-D	59	0.8	2.6	14.5	34	361	2.3	80.0	1.36
10-1-S	2	0.9	2.8	15.5	34	361	12.3	80.0	1.36
10-2-S	2	0.8	2.7	16.8	35	350	37.0	81.0	1.51
10-1-M	49	1.1	2.9	19.8	33	366	3.5	76.0	1.47
10-2-M	49	1.5	2.8	17.5	34	375	6.4	79.0	1.42
10-1-D	59	0.5	2.8	20.7	34	366	2.9	77.8	1.41
10-2-D	59	1.6	2.8	22.0	<10	373	5.6	80.0	1.40
				West Reference Site					
17-1-S	2	0.7	2.6	15.0	35	363	10.1	77.0	1.42
17-2-S	2	0.6	2.6	16.5	38	364	7.7	76.0	1.45
17-1-M	56	1.0	2.5	16.0	35	374	2.7	78.0	1.42
17-2-M	56	1.2	2.5	18.0	35	373	2.2	79.0	1.42
17-1-D	66	2.0	2.5	18.0	24	374	4.2	80.0	1.40
17-2-D	66	2.3	2.1	20.5	35	373	3.8	80.0	1.47

(Continued)

Table 2 (Concluded)

Sample No.	Depth m	Suspended Solids mg/l	Arsenic µg/l	Manganese µg/l	Mercury ng/l	Nitrate µg/l-N	Ammonia µg/l-N	Phosphate µg/l-P	Reactive Silicate mg/l-Si
				East Reference Site					
19-1-S	2	1.5	3.0	16.0	14	367	32.0	81.0	1.52
19-2-S	2	1.3	2.7	18.8	21	376	31.8	81.0	1.55
19-1-M	47	1.3	2.7	17.0	13	370	5.6	76.0	1.49
19-2-M	47	1.0	2.9	14.5	13	370	4.2	77.0	1.45
19-1-D	57	1.7	2.8	17.0	21	360	5.9	75.0	1.44
19-2-D	57	1.6	2.9	19.0	34	377	15.9	77.0	1.44
				Duwamish River Mouth					
44-1-S	2	1.2	2.9	13.0	13	553	99.4	78.0	1.30
44-2-S	2	1.3	2.9	17.0	34	369	7.1	77.0	1.41
44-1-M	18	1.0	2.9	11.5	33	369	11.3	77.8	1.43
44-2-M	18	1.1	2.5	14.7	<10	370	7.8	80.0	1.45
44-1-D	28	1.0	2.9	13.7	34	373	9.7	79.0	1.46
44-2-D	28	0.9	2.7	13.5	13	371	12.3	81.0	1.48

Table 3

Elliott Bay Sediment pH, Eh, and Free and Total Sulfide Concentrations

Sample No.*	September 1976 pH	Eh	Free Sulfide**	Total Sulfide†	December 1976 pH	Eh	Free Sulfide**	Total Sulfide†
Disposal Site								
1-1-T	7.2	-330	$<3.2 \times 10^{-13}$	30.4	7.0	-270	3.2×10^{-11}	
1-2-T		-330	1.3×10^{-8}		7.0	-325	$<3.2 \times 10^{-13}$	
1-1-B			5.1×10^{-12}		7.0	-270	3.2×10^{-10}	
1-2-B	6.8	-330	1.3×10^{-10}		7.0	-320	1.6×10^{-11}	
2-1-T	7.1	-275	5.1×10^{-12}		6.9	-325	6.4×10^{-11}	
2-2-T	6.8	-330	3.2×10^{-10}		6.7	-365	2.5×10^{-11}	
2-1-B			$<3.2 \times 10^{-13}$		6.9	-300	5.1×10^{-13}	
2-2-B	7.2	-200	$<3.2 \times 10^{-13}$		7.1	-300	6.4×10^{-13}	
3-1-T			3.2×10^{-9}		6.7	-330	5.1×10^{-11}	560
3-2-T	6.5	-320	1.5×10^{-10}		6.7	-330	2.5×10^{-10}	
3-1-B			8.1×10^{-10}		7.2	-360	6.4×10^{-11}	27.5
3-2-B	6.8	-330	$<3.2 \times 10^{-13}$		7.1	-340	2.5×10^{-10}	
4-1-T	6.9	-330	4.0×10^{-10}		6.7	-320	2.0×10^{-11}	
4-2-T			1.3×10^{-8}		6.8	-330	1.0×10^{-10}	
4-1-B	7.1	-225	$<3.2 \times 10^{-13}$		7.2	-340	2.0×10^{-10}	
4-2-B			6.4×10^{-11}		6.8	-342	1.6×10^{-10}	
5-1-T	6.7	-225	$<3.2 \times 10^{-13}$		6.6	-300	6.4×10^{-12}	
5-2-T			6.4×10^{-9}		6.5	-330	$<3.2 \times 10^{-13}$	
5-1-B	6.8	-270	$<3.2 \times 10^{-13}$		6.9	-355	1.6×10^{-9}	
5-2-B			5.1×10^{-9}		6.5	-360	5.1×10^{-13}	
6-1-T	7.0	-260	$<3.2 \times 10^{-13}$		6.4	-330	$<3.2 \times 10^{-13}$	1466
6-2-T			$<3.2 \times 10^{-13}$		6.6	-300	1.3×10^{-10}	
6-1-B	7.1	-330	$<3.2 \times 10^{-13}$		6.4	-344	1.6×10^{-11}	
6-2-B	6.6	-240	3.2×10^{-12}		6.9	-340	8.1×10^{-12}	1043
7-1-T	6.5	-300	$<3.2 \times 10^{-13}$		6.7	-300	1.3×10^{-10}	
7-2-T	6.6	-285	$<3.2 \times 10^{-13}$		6.8	-330	5.1×10^{-10}	
7-1-B	6.8	-325	4.0×10^{-10}		6.7	-305	1.6×10^{-10}	
7-2-B	7.1	-320	1.3×10^{-10}		7.2	-330	2.0×10^{-10}	

(Continued)

* Note: First digit of sample number indicates station location, second digit indicates cast number, and letter indicates section of core, top or bottom.

** Concentrations measured in milligrams per litre.

† Concentrations measured in micrograms per gram (wet weight).

Table 3 (Continued)

Sample No.	September 1976 pH	Eh	Free Sulfide**	Total Sulfide†	December 1976 pH	Eh	Free Sulfide**	Total Sulfide†
Disposal Site (Continued)								
8-1-T	6.4	-279	$<3.2 \times 10^{-13}$		6.6	-310	6.4×10^{-10}	
8-2-T	6.5	-290	5.1×10^{-10}		6.2	-355	1.0×10^{-9}	
8-1-B	6.4	-310	1.0×10^{-11}		6.4	-345	5.1×10^{-9}	
8-2-B	6.5	-295	1.3×10^{-10}		6.2	-350	2.5×10^{-10}	
9-1-T	6.5	-285	5.1×10^{-11}		6.1	-287	6.4×10^{-10}	
9-2-T	6.6	-275	$<3.2 \times 10^{-13}$		6.3	-345	8.1×10^{-10}	
9-1-B	6.5	-300	$<3.2 \times 10^{-13}$		6.7	-295	3.2×10^{-11}	
9-2-B	6.9	-200	$<3.2 \times 10^{-13}$		7.1	-300	2.0×10^{-10}	
10-1-T	6.7	-300	8.0×10^{-11}		6.4	-230	5.1×10^{-12}	
10-2-T	7.1	-300	1.0×10^{-12}		6.6	-320	4.0×10^{-11}	
10-1-B	6.2	-240	2.0×10^{-11}		6.6	-335	$<3.2 \times 10^{-13}$	
10-2-B	6.8	-280	1.6×10^{-11}		6.6	-350	$<3.2 \times 10^{-13}$	
11-1-T	6.7	-290	1.3×10^{-10}		6.3	-325	1.3×10^{-12}	
11-2-T	6.8	-300	2.0×10^{-10}	870	6.5	-340	1.6×10^{-10}	
11-1-B	7.0	-305	2.0×10^{-10}		6.5	-330	2.0×10^{-11}	
11-2-B	7.0	-305	2.0×10^{-10}		6.4	-320	5.1×10^{-11}	
12-1-T	6.5	-350	5.1×10^{-13}		6.5	-340	1.6×10^{-10}	
12-2-T	6.5	-250	$<3.2 \times 10^{-13}$		6.3	-350	3.2×10^{-10}	
12-1-B	6.8	-280	$<3.2 \times 10^{-13}$		6.3	-340	5.0×10^{-11}	
12-1 B	6.6	-320	$<3.2 \times 10^{-13}$		6.4	-365	2.0×10^{-10}	198.4
13-1-T	7.0	-285	$<3.2 \times 10^{-13}$	16.6	6.6	-327	3.2×10^{-10}	
13-2-T	6.7	-240	$<3.2 \times 10^{-13}$		6.5	-340	8.1×10^{-11}	
13-1-B	7.3	-225	$<3.2 \times 10^{-13}$		6.5	-295	1.6×10^{-10}	
13-2-B	7.1	-250	$<3.2 \times 10^{-13}$	48	6.3	-365	1.0×10^{-10}	972.8
14-1-T	7.0	-310	1.6×10^{-12}		6.6	-290	1.6×10^{-10}	
14-2-T	6.7	-300	$<3.2 \times 10^{-13}$		6.8	-360	6.4×10^{-10}	
14-1-B	7.2	-260	$<3.2 \times 10^{-13}$		6.9	-280	5.1×10^{-11}	44.8
14-2-B	7.3	-240	$<3.2 \times 10^{-13}$		6.8	-370	5.1×10^{-9}	
15-1-T	6.7	-320	1.0×10^{-9}		6.7	-350	4.0×10^{-12}	
15-2-T	6.4	-310	$<3.2 \times 10^{-13}$		6.4	-350	4.0×10^{-12}	
15-1-B	7.0	-240	$<3.2 \times 10^{-13}$		6.5	-350	$<3.2 \times 10^{-13}$	
15-2-B	6.8	-195	$<3.2 \times 10^{-13}$		5.7	-375	1.0×10^{-12}	

(Continued)

Table 3 (Concluded)

Sample No.	September 1976 pH	Eh	Free Sulfide**	Total Sulfide†	December 1976 pH	Eh	Free Sulfide**	Total Sulfide†
Disposal Site (Continued)								
16-1-T	6.7	-300	$<3.2 \times 10^{-13}$		6.7	-325	8.1×10^{-10}	
16-2-T	6.7	-295	2.0×10^{-9}		7.0	-368	6.4×10^{-10}	
16-1-B	7.1	-260	$<3.2 \times 10^{-13}$		7.0	-335	4.0×10^{-10}	
16-2-B	6.6	-270	$<3.2 \times 10^{-13}$		6.8	-364	5.1×10^{-10}	
West Reference Site								
17-1-T	7.3	-100	$<3.2 \times 10^{-13}$		7.3	-304	6.4×10^{-10}	
17-2-T	7.3	-150	$<3.2 \times 10^{-13}$		7.4	-365	1.0×10^{-9}	
17-1-B	7.3	-200	$<3.2 \times 10^{-13}$		7.4	-370	6.4×10^{-10}	23.0
17-2-B	7.3	-240	$<3.2 \times 10^{-13}$		7.4	-310	4.0×10^{-12}	64.0
18-1-T	7.4	-170	$<3.2 \times 10^{-13}$	5.9	7.4	-290	1.0×10^{-5}	
18-2-T	7.5	-270	$<3.2 \times 10^{-13}$		7.3	-273	8.1×10^{-10}	
18-1-B	7.5	-120	$<3.2 \times 10^{-13}$	41.6	7.4	-330	1.0×10^{-11}	20.8
18-2-B	7.5	-190	$<3.2 \times 10^{-13}$		7.3	-295	1.0×10^{-11}	
East Reference Site								
19-1-T	7.3	-220	$<3.2 \times 10^{-13}$		7.0	-303	6.4×10^{-11}	
19-2-T	7.3	-160	$<3.2 \times 10^{-13}$		6.8	-360	1.3×10^{-8}	166.4
19-1-B	7.3	-180	$<3.2 \times 10^{-13}$		7.2	-346	1.3×10^{-8}	
19-2-B	7.4	-240	$<3.2 \times 10^{-13}$		7.6	-325	5.1×10^{-10}	
20-1-T	7.2	-275	3.2×10^{-13}	67.2	7.8	-390	6.4×10^{-7}	
20-2-T	7.4	-300	3.2×10^{-13}	16.3	7.5	-322	6.4×10^{-9}	
20-1-B	7.4	-360	3.2×10^{-13}		7.7	-409	7.1×10^{-4}	
20-2-B	7.4	-300	3.2×10^{-13}		7.5	-395	8.1×10^{-6}	

Table 4

Concentration of Arsenic in Elliott Bay Sediments

Sample No.*	Concentration** September 1976	December 1976
	Disposal Site	
1-1-T	57.7 ± 1.7	12.8 ± 1.0
	55.7 ± 1.1	
1-2-T	10.0 ± 0.95	18.4 ± 0.83
	12.5 ± 1.1	
1-1-B	73.3 ± 1.5	12.3 ± 0.86
	60.8 ± 1.2	
1-2-B	14.4 ± 0.94	19.5 ± 0.78
	16.9 ± 1.1	
2-1-T	9.6 ± 1.1	7.7 ± 0.85
2-2-T	9.7 ± 1.0	17.7 ± 1.1
2-1-B	12.6 ± 0.82	32.7 ± 1.3
	13.3 ± 1.1	
2-2-B	20.4 ± 1.1	29.7 ± 1.0
3-1-T	18.4 ± 1.3	11.9 ± 1.0
	24.5 ± 1.2	
3-2-T	16.8 ± 1.4	14.3 ± 0.79
	13.9 ± 0.76	
3-1-B	64.1 ± 1.6	33.8 ± 1.2
	55.9 ± 1.1	
3-2-B	9.8 ± 0.74	41.0 ± 1.0
	12.1 ± 0.85	
4-1-T	12.9 ± 0.99	22.0 ± 1.2
4-2-T	13.4 ± 0.87	10.3 ± 0.93
4-1-B	12.9 ± 0.65	27.0 ± 0.95
	23.9 ± 0.84	
4-2-B	28.1 ± 0.70	13.4 ± 1.1
	44.5 ± 0.86	
5-1-T	10.0 ± 0.80	18.0 ± 1.1
5-2-T	10.5 ± 0.84	20.5 ± 1.1
5-1-B	13.1 ± 0.85	5.6 ± 0.90
5-2-B	10.8 ± 0.81	27.0 ± 1.5
6-1-T	13.8 ± 1.0	17.3 ± 1.0
6-2-T	10.7 ± 0.80	11.0 ± 0.88
6-1-B	7.4 ± 0.76	26.9 ± 0.86
6-2-B	9.1 ± 1.1	14.3 ± 0.86

(Continued)

* Note: First digit of sample number indicates station location, second digit indicates cast number, and letter indicates section of core, top or bottom.

** Concentrations measured in micrograms per gram ± 1 standard deviation.

(Continued)

Table 4 (Continued)

Sample No.	Concentration	
	September 1976	December 1976
	Disposal Site (Continued)	
7-1-T	11.6 ± 0.87	9.4 ± 0.75
7-2-T	9.4 ± 0.75	9.6 ± 1.3
7-1-B	15.5 ± 1.0	12.9 ± 0.77
7-2-B	17.3 ± 0.97	13.4 ± 0.87
8-1-T	8.9 ± 0.80	14.6 ± 1.1
8-2-T	10.4 ± 0.78	8.9 ± 0.80
8-1-B	15.2 ± 0.84	15.5 ± 1.2
8-2-B	9.5 ± 0.81	17.9 ± 1.1
9-1-T	13.7 ± 0.82	21.5 ± 0.75
9-2-T	12.8 ± 0.90	9.2 ± 0.78
9-1-B	5.9 ± 0.74	32.3 ± 1.3
	11.1 ± 0.61	
9-2-B	15.9 ± 0.95	10.8 ± 0.85
10-1-T	14.6 ± 1.1	21.6 ± 1.4
10-2-T	18.5 ± 1.1	12.2 ± 0.92
10-1-B	13.4 ± 0.94	15.8 ± 0.71
10-2-B	12.8 ± 1.0	10.3 ± 0.87
11-1-T	13.4 ± 1.0	13.4 ± 0.94
11-2-T	13.0 ± 0.85	9.6 ± 0.91
11-1-B	18.2 ± 1.1	17.6 ± 0.97
11-2-B	17.0 ± 1.2	9.2 ± 0.83
12-1-T	8.2 ± 0.74	12.6 ± 0.82
12-2-T	9.0 ± 0.59	10.2 ± 0.87
	7.3 ± 0.62	
12-1-B	23.9 ± 0.96	16.8 ± 0.84
12-2-B	9.4 ± 0.61	10.9 ± 0.82
13-1-T	16.8 ± 0.67	10.2 ± 0.82
13-2-T	11.7 ± 0.76	13.6 ± 0.95
13-1-B	5.3 ± 0.64	20.5 ± 0.82
	5.3 ± 0.85	
13-2-B	83.7 ± 1.84	11.5 ± 0.81
	23.3 ± 0.93	
14-1-T	8.7 ± 0.87	13.2 ± 0.73
14-2-T	9.1 ± 0.91	9.7 ± 0.87
14-1-B	19.6 ± 0.88	40.0 ± 1.0
14-2-B	34.8 ± 1.0	16.1 ± 0.81

(Continued)

Table 4 (Concluded)

Sample No.	Concentration, September 1976	Concentration, December 1976
	Disposal Site (Continued)	
15-1-T	11.8 ± 0.89	12.0 ± 0.90
15-2-T	11.7 ± 0.99	12.8 ± 0.77
15-1-B	20.5 ± 0.92	9.6 ± 0.72
15-2-B	13.1 ± 0.72	13.6 ± 1.0
16-1-T	11.5 ± 0.75	12.2 ± 0.92
	11.0 ± 0.88	
16-2-T	11.2 ± 0.73	11.6 ± 0.91
	12.5 ± 0.92	
16-1-B	15.9 ± 0.64	14.4 ± 0.94
	20.2 ± 0.91	
16-2-B	13.9 ± 0.70	17.4 ± 0.87
	15.3 ± 0.92	
	West Reference Site	
17-1-T	9.3 ± 0.65	11.3 ± 0.73
17-2-T	9.1 ± 0.68	9.4 ± 0.75
17-1-B	7.9 ± 0.67	10.1 ± 0.81
17-2-B	3.5 ± 0.35	8.2 ± 0.66
18-1-T	11.4 ± 0.80	14.3 ± 0.86
	13.6 ± 0.61	
18-2-T	9.9 ± 0.74	11.0 ± 0.77
	10.4 ± 0.52	
18-1-B(1)†	13.1 ± 0.66	9.6 ± 0.72
	13.5 ± 0.61	
18-1-B(2)		11.4 ± 0.80
18-1-B(3)		9.5 ± 0.71
18-1-B(4)		13.2 ± 0.73
18-1-B(5)		2.7 ± 0.19
18-1-B(6)		11.5 ± 0.75
18-2-B	7.7 ± 0.54	8.7 ± 0.70
	6.3 ± 0.47	
	East Reference Site	
19-1-T	17.6 ± 1.4	16.3 ± 0.98
19-2-T	17.9 ± 1.3	22.3 ± 1.0
19-1-B	17.7 ± 1.5	18.9 ± 0.85
19-2-B	15.7 ± 1.0	16.2 ± 0.89
20-1-T	11.6 ± 0.70	15.0 ± 0.98
	16.1 ± 1.6	
20-2-T	10.3 ± 0.67	25.5 ± 0.89
	14.0 ± 1.1	
20-1-B	12.2 ± 0.92	11.4 ± 0.86
	12.5 ± 1.2	
20-2-B	14.3 ± 0.79	13.4 ± 0.80
	12.6 ± 1.1	

† Six aliquots of same sample.

Table 5

Concentration of Chromium in Elliott Bay Sediments

Sample No.*	Concentration** September 1976	December 1976
	Disposal Site	
1-1-T	77 ± 1.4	66 ± 1.7
1-2-T	81 ± 1.6	55 ± 0.8
1-1-B	68 ± 1.4	78 ± 1.2
1-2-B	85 ± 1.7	64 ± 1.3
2-1-T	63 ± 1.3	64 ± 1.3
2-2-T	86 ± 1.7	78 ± 1.2
2-1-B	64 ± 1.0	91 ± 1.4
2-2-B	69 ± 0.5	70 ± 1.4
3-1-T	55 ± 0.8	74 ± 1.1
3-2-T	81 ± 1.6	71 ± 1.1
3-1-B	84 ± 1.3	61 ± 1.2
3-2-B	74 ± 1.5	73 ± 1.6
4-1-T	83 ± 1.6	74 ± 1.1
4-2-T	69 ± 1.4	75 ± 1.5
4-1-B	46 ± 1.2	64 ± 1.3
4-2-B	74 ± 1.5	73 ± 1.8
5-1-T	59 ± 0.3	109 ± 1.6
5-2-T	60 ± 0.9	76 ± 1.1
5-1-B	54 ± 0.8	59 ± 0.9
5-2-B	83 ± 1.3	85 ± 1.7
6-1-T	64 ± 1.0	74 ± 1.5
6-2-T	59 ± 0.9	68 ± 1.4
6-1-B	59 ± 0.9	82 ± 1.2
6-2-B	70 ± 1.1	58 ± 0.9
7-1-T	84 ± 1.3	71 ± 1.1
7-2-T	81 ± 0.8	68 ± 1.4
7-1-B	68 ± 1.0	69 ± 1.0
7-2-B	61 ± 1.2	62 ± 1.2
8-1-T	59 ± 0.9	69 ± 1.4
8-2-T	64 ± 1.0	65 ± 1.3
8-1-B	77 ± 1.5	62 ± 1.2
8-2-B	67 ± 1.3	67 ± 1.3
9-1-T	85 ± 1.7	66 ± 1.0
9-2-T	89 ± 1.3	79 ± 1.6
9-1-B	70 ± 1.4	68 ± 1.0
9-2-B	78 ± 1.6	65 ± 1.0

(Continued)

* Note: First digit of sample number indicates station location, second digit indicates cast number, and letter indicates section of core, top or bottom.

** Concentrations measured in micrograms per gram ± 1 standard deviation.

Table 5 (Continued)

Sample No.	Concentration	
	September 1976	December 1976
	Disposal Site (Continued)	
10-1-T	70 ± 1.4	106 ± 2.1
10-2-T	64 ± 1.3	59 ± 1.2
10-1-B	58 ± 0.9	69 ± 1.0
10-2-B	64 ± 1.3	76 ± 1.1
11-1-T	83 ± 1.3	68 ± 1.4
11-2-T	76 ± 0.8	80 ± 1.6
11-1-B	67 ± 1.3	73 ± 1.5
11-2-B	71 ± 1.4	60 ± 1.2
12-1-T	75 ± 1.5	86 ± 1.3
12-2-T	64 ± 1.0	82 ± 1.6
12-1-B	60 ± 1.2	68 ± 1.4
12-2-B	58 ± 1.2	65 ± 1.0
13-1-T	59 ± 0.9	76 ± 1.5
13-2-T	63 ± 1.3	69 ± 1.0
13-1-B	30 ± 0.6	64 ± 1.0
13-2-B	64 ± 1.3	69 ± 1.0
14-1-T	71 ± 1.1	71 ± 1.1
14-2-T	63 ± 0.6	77 ± 1.2
14-1-B	68 ± 1.0	110 ± 1.7
14-2-B	75 ± 1.1	82 ± 1.2
15-1-T	62 ± 0.6	75 ± 1.1
15-2-T	69 ± 1.0	59 ± 0.9
15-1-B	56 ± 0.8	69 ± 1.0
15-2-B	65 ± 1.0	76 ± 1.1
16-1-T	86 ± 1.3	66 ± 1.0
16-2-T	89 ± 1.3	76 ± 1.5
16-1-B	71 ± 1.1	74 ± 1.1
16-2-B	67 ± 1.0	71 ± 1.1
	West Reference Site	
17-1-T	152 ± 1.5	117 ± 1.2
17-2-T	269 ± 2.7	108 ± 1.1
17-1-B	124 ± 1.2	131 ± 1.3
17-2-B	69 ± 0.7	115 ± 1.2

(Continued)

Table 5 (Concluded)

Sample No.	Concentration	
	September 1976	December 1976
West Reference Site (Continued)		
18-1-T	110 ± 1.1	102 ± 1.5
18-2-T	112 ± 1.7	105 ± 1.6
18-1-B(1)†	95 ± 1.4	88 ± 1.3
18-1-B(2)		109 ± 1.1
18-1-B(3)		114 ± 1.7
18-1-B(4)		135 ± 1.4
18-1-B(5)		160 ± 1.6
18-1-B(6)		122 ± 1.2
18-2-B	101 ± 1.5	111 ± 1.7
East Reference Site		
19-1-T	92 ± 1.4	91 ± 1.4
19-2-T	86 ± 0.9	96 ± 1.0
19-1-B	87 ± 0.9	64 ± 1.3
19-2-B	95 ± 1.4	79 ± 1.2
20-1-T	100 ± 1.5	106 ± 1.6
20-2-T	81 ± 1.2	86 ± 1.3
20-1-B	89 ± 1.3	81 ± 1.6
20-2-B	70 ± 1.0	73 ± 1.5

† Six aliquots of same sample.

Table 6

Concentration of Manganese in Elliott Bay Sediments

Sample No.*	Concentration** September 1976	December 1976
	Disposal Site	
1-1-T	227 ± 4	204 ± 72
1-2-T	262 ± 32	192 ± 16
1-1-B	258 ± 43	252 ± 36
1-2-B	276 ± 13	244 ± 40
2-1-T	238 ± 28	231 ± 22
2-2-T	248 ± 35	287 ± 53
2-1-B	313 ±134	327 ± 53
2-2-B	293 ± 15	306 ± 41
3-1-T	238 ± 75	267 ± 7
3-2-T	262 ± 95	276 ± 10
3-1-B	179 ± 19	223 ± 33
3-2-B	239 ± 15	248 ± 28
4-1-T	254 ± 52	309 ± 41
		307 ± 95
4-2-T	245 ± 15	260 ± 13
4-1-B	239 ± 16	293 ± 52
4-2-B		303 ± 76
5-1-T	255 ± 45	297 ± 29
5-2-T	199 ± 5	331 ± 35
5-1-B	257 ± 31	233 ± 28
5-2-B	269 ± 14	383 ± 16
6-1-T	290 ± 42	405 ± 74
6-2-T	248 ± 20	236 ± 17
6-1-B	247 ± 51	447 ± 31
6-2-B	216 ± 20	256 ± 21
7-1-T	221 ± 98	255 ± 23
7-2-T	272 ± 69	243 ± 21
7-1-B	240 ± 21	274 ± 35
7-2-B	301 ± 0	280 ± 65
8-1-T	241 ± 13	299 ± 37
8-2-T	225 ± 39	244 ± 43
8-1-B	287 ± 33	243 ± 12
8-2-B	230 ± 34	339 ± 77

(Continued)

* Note: First digit of sample number indicates station location, second digit indicates cast number, and letter indicates section of core, top or bottom.

** Concentrations measured in micrograms per gram ± 95% confidence intervals.

Table 6 (Continued)

Sample No.	Concentration	
	September 1976	December 1976
	Disposal Site (Continued)	
9-1-T	207 ± 44	314 ± 120
9-2-T	227 ± 38	254 ± 28
9-1-B	233 ± 21	161 ± 28
9-2-B	255 ± 72	188 ± 30
10-1-T	275 ± 41	356 ± 51
10-2-T	269 ± 56	262 ± 14
10-1-B	274 ± 44	268 ± 26
10-2-B	219 ± 44	290 ± 50
11-1-T	330 ± 57	314 ± 36
11-2-T	223 ± 19	243 ± 46
11-1-B	234 ± 60	552 ±170
11-2-B	400 ± 33	260 ± 22
12-1-T	194 ± 20	241 ± 34
12-2-T	236 ±100	235 ± 17
12-1-B	230 ± 31	262 ± 25
12-2-B	216 ± 63	268 ± 77
		259 ± 29
13-1-T	177 ± 11	266 ± 31
13-2-T	258 ± 33	259 ± 19
13-1-B	321 ± 49	226 ± 18
13-2-B	167 ± 41	323 ± 46
14-1-T	249 ± 42	234 ± 71
14-2-T	237 ± 13	243 ± 23
14-1-B	225 ± 31	186 ± 62
14-2-B	160 ± 25	--
15-1-T	229 ± 16	251 ± 19
15-2-T	219 ± 73	298 ± 17
15-1-B	183 ± 17	296 ± 30
15-2-B	223 ± 15	268 ± 23
16-1-T	242 ± 43	293 ± 84
16-2-T	261 ± 54	253 ± 20
16-1-B	171 ± 6	--
16-2-B	269 ± 37	293 ± 38
	West Reference Site	
17-1-T	190 ± 27	236 ± 14
17-2-T	234 ± 47	222 ± 20
17-1-B	222 ± 52	251 ± 92
17-2-B	252 ± 92	193 ± 70

(Continued)

Table 6 (Concluded)

Sample No.	Concentration, September 1976	Concentration, December 1976
18-1-T	214 ± 26	447 ± 96
18-2-T	235 ± 32	274 ± 25
18-1-B(1)†	241 ± 58	231 ± 40
(2)		224 ± 32
(3)		221 ± 12
(4)		350 ± 11
(5)		225 ± 25
(6)		243 ± 59
18-2-B	231 ±110	218 ± 27
East Reference Site		
19-1-T	283 ± 22	321 ± 31
19-2-T	224 ± 76	309 ± 21
19-1-B	266 ± 18	—
19-2-B	210 ±107	251 ± 36
20-1-T	244 ± 84	281 ± 20
20-2-T	232 ± 49	218 ± 29
20-1-B	198 ± 12	187 ± 47
20-2-B	268 ± 25	194 ± 16

† Six aliquots of same sample.

Table 7

Concentration of Mercury in Elliott Bay Sediments

Sample No.*	Concentration** September 1976	December 1976
	Disposal Site	
1-1-T	0.68	0.19
1-2-T	0.06	1.1
1-1-B	1.1	0.32
1-2-B	0.06	1.5
2-1-T	0.16	0.23
2-2-T	0.18	0.27
2-1-B	0.21	1.2
2-2-B	1.3	
3-1-T	0.22	0.22
3-2-T	0.25	0.23
3-1-B	0.73	2.3
3-2-B	0.18	4.2
4-1-T	0.15	0.27
4-2-T	0.06	0.23
4-1-B	0.46	3.6
4-2-B	1.1	2.0
5-1-T	0.25	0.23
5-2-T	0.19	0.34
5-1-B	0.30	0.13
5-2-B	0.26	0.52
6-1-T	0.21	0.63
6-2-T	0.03	0.15
6-1-B	0.03	0.40
6-2-B	0.03	0.16
7-1-T	0.42	0.16
7-2-T	0.09	0.16
7-1-B	0.07	0.12
7-2-B	0.06	0.22

(Continued)

* Note: First digit of sample number indicates station location, second digit indicates cast number, and letter indicates section of core, top or bottom.

** Concentrations measured in micrograms per gram ± 20% analytical error.

(Continued)

Table 7 (Continued)

Sample No.	Concentration	
	September 1976	December 1976
	Disposal Site (Continued)	
8-1-T	0.19	0.26
8-2-T	0.15	0.22
8-1-B	0.08	0.71
8-2-B	0.05	0.29
9-1-T	0.05	0.32
9-2-T	0.07	0.24
9-1-B	0.08	0.59
9-2-B	0.06	
10-1-T	0.05	0.44
10-2-T	0.14	0.12
10-1-B	0.03	0.32
10-2-B	0.03	0.37
11-1-T	0.05	0.26
11-2-T	0.12	0.26
11-1-B	0.08	0.41
11-2-B	0.07	0.23
12-1-T	0.06	0.25
12-2-T	0.08	0.23
12-1-B	0.15	0.15
12-2-B	0.13	0.08
13-1-T	0.18	0.36
13-2-T	0.06	0.32
13-1-B	0.02	0.28
13-2-B	0.25	0.33
14-1-T	0.04	0.21
14-2-T	0.08	0.61
14-1-B	0.12	0.57
14-2-B	0.16	1.1
15-1-T	0.04	0.20
15-2-T	0.04	0.32
15-1-B	0.08	0.38
15-2-B	0.06	0.16

(Continued)

Table 7 (Concluded)

Sample No.	Concentration September 1976	Concentration December 1976
Disposal Site (Continued)		
16-1-T	0.04	0.42
16-2-T	0.05	0.26
16-1-B	0.12	0.33
16-2-B	0.07	0.42
West Reference Site		
17-1-T	0.08	0.32
17-2-T	0.06	0.29
17-1-B	0.07	0.40
17-2-B	0.07	0.43
18-1-T	0.09	0.32
18-2-T	0.13	0.29
18-1-B(1)†	0.09	0.25
18-1-B(2)		0.50
18-1-B(3)		0.42
18-1-B(4)		0.52
18-1-B(5)		1.2
18-1-B(6)		0.56
18-2-B	0.07	0.37
East Reference Site		
19-1-T	0.42	1.1
19-2-T	0.58	
19-1-B	0.54	1.2
19-2-B	0.41	1.8
20-1-T	0.38	1.2
20-2-T	0.22	1.6
20-1-B	0.53	4.0
20-2-B	0.35	1.6

† Six aliquots of the same sample.

Table 8

Particle Size Distribution and Percent Water in Elliott Bay Sediments

Sample No.*	CF1** >2mm	CF2 1-2mm	CF3 0.5-1mm	CF4 0.25-0.5mm	CF5 0.125-0.25mm	CF6 0.063-0.125mm	Silt+ .002-.05mm	Clay <.002mm	% H_2O
					September 1976				
					Disposal Site				
1-1-T	1	1	7	25	14	13	43	0	36
1-2-T	1	0	2	6	26	28	40	0	40
1-1-B	1	1	8	21	19	9	39	3	31
1-2-B	2	1	2	6	15	21	42	12	40
2-1-T	0	0	1	8	37	27	31	0	37
2-2-T	0	0	1	6	24	28	35	0	38
2-1-B	0	0	1	5	19	29	39	7	31
2-2-B	1	2	6	20	23	18	30	0	37
3-1-T	1	1	1	5	25	2	4	17	46
3-2-T	0	1	2	6	10	10	71	1	46
3-1-B	10	4	9	24	20	11	25	0	33
3-2-B	0	1	2	14	24	19	44	0	40
4-1-T	0	0	1	4	13	25	55	1	42
4-2-T	0	0	0	3	18	29	50	0	42
4-1-B	0	1	6	13	11	11	58	0	40
4-2-B	0	0	2	8	11	14	56	9	40
5-1-T	0	0	2	13	28	26	26	5	33
5-2-T	0	1	2	9	34	27	29	0	37
5-1-B	3	1	2	7	18	30	31	8	41
5-2-B	0	1	1	4	24	29	36	5	35
6-1-T	1	4	2	12	23	21	37	0	44
6-2-T	2	1	2	9	29	24	33	0	38
6-1-B	0	1	2	9	34	24	25	5	32
6-2-B	1	1	2	9	32	25	23	7	34

(Continued)

* Note: First digit of sample indicates station number, second digit indicates core number, and letter indicates section of core; top or bottom.

** Numbers indicate per cent retained in sieves for coarse fraction of sediment.

\+ Numbers indicate per cent of sediment in the size range indicated as determined by pipette analyses.

Table 8 (Continued)

Sample No.*	CF1** >2mm	CF2 1-2mm	CF3 0.5-1mm	CF4 0.25-0.5mm	CF5 0.125-0.25mm	CF6 0.063-0.125mm	Silt† 0.002-.06mm	Clay <.002mm	% H_2O
7-1-T	1	1	3	14	35	18	31	0	38
7-2-T	0	1	5	8	10	9	68	0	41
7-1-B	4	1	1	5	9	15	69	0	46
7-2-B	0	0	2	8	9	7	70	3	46
8-1-T	1	1	1	9	29	26	34	2	36
8-2-T	0	0	1	7	32	28	34	0	35
8-1-B	0	1	1	5	28	30	34	1	36
8-2-B	1	1	2	8	23	28	25	1	39
9-1-T	1	1	2	9	26	20	45	0	[illegible]
9-2-T	1	1	2	9	30	27	31	0	39
9-1-B	0	1	2	5	24	31	27	11	38
9-2-B	2	1	2	11	24	26	34	1	39
10-1-T	0	1	2	5	10	11	72	0	39
10-2-T	1	2	4	10	10	11	69	0	50
10-1-B	0	1	2	9	27	21	32	8	36
10-2-B	0	1	3	12	39	20	27	0	41
11-1-T	0	1	3	10	6	8	72	0	47
11-2-T	1	1	5	12	26	15	44	0	41
11-1-B	1	0	1	3	7	10	60	18	44
11-2-B	1	0	2	5	6	8	87	0	49
12-1-T	0	1	1	2	30	26	27	12	39
12-2-T	2	1	2	8	28	25	26	9	33
12-1-B	13	0	5	12	20	21	38	0	42
12-2-B	1	1	2	7	26	31	40	0	42
13-1-T	0	2	8	21	20	20	39	0	36
13-2-T	0	4	2	10	26	23	44	0	40
13-1-B	7	3	16	37	8	4	[illegible]	13	28
13-2-B	9	3	11	23	14	9	25	6	27
14-1-T	1	1	2	8	29	33	33	0	43
14-2-T	0	0	1	7	28	28	33	2	39
14-1-B	0	1	4	15	19	21	37	3	35
14-2-B	1	2	7	21	21	17	23	9	30

(Continued)

Table 8 (Continued)

Sample No.	CF1 >2mm	CF2 1-2mm	CF3 0.5-1mm	CF4 0.25-0.5mm	CF5 0.125-0.25mm	CF6 0.063-0.125mm	Silt† 0.002-.05mm	Clay <.002mm	% H_2O
16-1-T	0	0	2	8	30	28	31	1	40
16-2-T	1	1	2	9	19	27	46	0	45
16-1-B	1	3	14	27	16	10	21	8	26
16-2-B	1	1	4	9	18	24	50	0	37
16-1-T	0	0	5	4	20	28	43	0	46
16-2-T	0	0	1	4	23	28	52	0	42
16-1-B	0	1	3	14	20	21	43	0	39
16-2-B	1	1	3	22	15	13	55	0	43
				West Reference Site					
17-1-T	5	2	5	27	13	13	26	9	32
17-2-T	0	3	4	21	18	20	30	3	27
17-1-B	5	4	4	14	20	18	28	8	29
17-2-B	3	2	7	21	22	14	25	7	33
18-1-T	2	1	2	9	16	22	48	0	40
18-2-T	2	3	6	12	23	18	33	4	33
18-1-B	2	2	3	9	16	20	47	2	35
18-2-B	3	2	4	18	23	16	28	6	28
				East Reference Site					
19-1-T	1	1	2	6	5	6	45	34	42
19-2-T	1	4	3	6	6	2	62	17	35
19-1-B	1	2	3	8	6	7	72	3	43
19-2-B	1	1	2	3	4	5	76	7	38
20-1-T	3	1	2	4	6	6	75	2	48
20-2-T	9	2	3	9	6	6	59	8	44
20-1-B	2	2	3	8	11	7	67	2	37
20-2-B	1	1	1	4	6	7	76	4	41

Table 8 (Continued)

Sample No.	CF1 >2mm	CF2 1-2mm	CF3 0.5-1mm	CF4 0.25-0.5mm	CF5 0.125-0.25mm	CF6 0.063-0.125mm	Silt† 0.002-.05mm	Clay <.002mm	% H_2O
					December 1976				
					Disposal Site				
1-1-T	0	0	1	5	18	26	45	7	37
1-2-T	2	1	5	13	12	13	46	5	30
1-1-B	0	0	1	3	20	31	46	0	41
1-2-B	5	1	8	29	14	10	35	0	33
2-1-T	0	1	2	11	25	26	37	0	33
2-2-T	0	1	3	7	29	29	41	0	37
2-1-B	0	1	5	12	19	26	42	0	38
2-2-B	1	2	6	25	13	11	42	0	38
3-1-T	0	0	1	7	26	24	33	8	31
3-2-T	0	1	2	6	18	25	47	2	35
3-1-B	4	3	12	35	16	9	23	0	33
3-2-B	2	1	7	21	17	13	48	0	37
4-1-T	1	4	2	4	15	28	52	0	41
4-2-T	0	0	1	7	22	28	43	0	40
4-1-B	0	1	7	17	13	11	46	4	37
4-2-B	0	1	4	12	17	20	45	1	36
5-1-T	0	1	2	12	15	12	52	6	37
5-2-T	1	2	2	5	6	12	73	1	46
5-1-B	0	1	2	12	25	22	41	0	20
5-2-B	0	0	2	2	3	13	85	0	45
6-1-T	2	3	4	8	6	8	73	0	46
6-2-T	0	1	3	14	30	24	31	0	32
6-1-B	0	1	0	3	3	7	87	0	51
6-2-B	0	1	2	6	29	34	29	0	32
7-1-T	0	1	2	12	39	27	27	2	38
7-2-T	0	0	1	7	31	28	30	2	38
7-1-B	1	1	1	7	22	31	32	6	34
7-2-B	0	1	5	17	17	22	43	0	38

(Continued)

Table 8 (Continued)

Sample No.	CF1 >2mm	CF2 1-2mm	CF3 0.5-1mm	CF4 0.25-0.5mm	CF5 0.125-0.25mm	CF6 0.063-0.125mm	Silt† 0.002-.05mm	Clay <.002mm	% H_2O @ 1/3
8-1-T	0	1	1	9	27	28	41	0	38
8-2-T	0	1	1	8	29	25	26	18	30
8-1-B	0	0	2	9	24	27	33	0	38
8-2-B	1	1	2	5	27	29	39	0	42
9-1-T	0	1	6	23	20	16	33	1	37
9-2-T	0	1	2	6	31	27	34	0	38
9-1-B	1	1	9	31	16	11	37	0	29
9-2-B	2	2	13	30	17	13	22	2	30
10-1-T	1	1	2	7	8	9	80	0	40
10-2-T	2	3	10	25	21	13	26	0	30
10-1-B	2	3	6	20	26	18	25	0	37
10-2-B	1	1	2	12	16	12	41	15	39
11-1-T	0	0	2	7	4	7	73	6	41
11-2-T	0	0	2	6	20	22	48	2	36
11-1-B	0	0	1	5	5	11	84	0	45
11-2-B	1	1	3	6	31	18	35	5	36
12-1-T	1	1	2	14	25	26	32	0	24
12-2-T	0	1	2	8	11	25	16	17	35
12-1-B	0	0	1	8	18	24	48	1	36
12-2-B	1	1	1	4	24	32	36	1	36
13-1-T	0	0	1	4	25	27	37	5	39
13-2-T	0	1	2	9	18	22	53	0	38
13-1-B	0	1	4	24	21	17	33	0	30
13-2-B	0	1	2	7	21	28	34	8	36
14-1-T	2	2	4	12	22	25	38	0	36
14-2-T	0	0	1	5	18	28	46	2	41
14-1-B	3	3	11	27	23	16	13	4	27
14-2-B	3	4	14	24	17	12	34	0	32
15-1-T	1	2	3	5	25	13	30	20	40
15-2-T	1	1	3	13	30	19	37	0	41
15-1-B	0	1	2	6	23	29	36	3	33
15-2-B	1	1	2	6	23	25	43	0	37

(Continued)

Table 8 (Concluded)

Sample No.	CF1 >2mm	CF2 1-2mm	CF3 0.5-1mm	CF4 0.25-0.5mm	CF5 0.125-0.25mm	CF6 0.063-0.125mm	Silt+ 0.002-.05mm	Clay <.002mm	% H_2O
16-1-T	0	1	2	6	26	25	35	4	40
16-2-T	0	1	1	7	21	25	28	18	39
16-1-B	0	0	3	10	18	23	47	0	43
16-2-B	0	0	3	12	16	19	53	0	37
					West Reference Site				
17-1-T	1	1	3	16	22	19	39	0	34
17-2-T	1	1	3	10	27	18	22	12	25
17-1-B	2	1	3	15	20	19	39	2	31
17-2-B	1	1	3	17	26	26	30	0	30
18-1-T	1	1	3	18	20	18	39	1	37
18-2-T	1	1	2	19	19	22	41	1	31
18-1-B	0	2	5	23	16	16	40	0	31
18-2-B	0	1	2	11	17	21	48	0	31
					East Reference Site				
19-1-T	2	1	1	4	9	4	50	27	40
19-2-T	1	1	1	6	4	5	76	10	59
19-1-B	0	0	1	2	2	5	82	5	39
19-2-B	2	1	1	4	3	5	84	2	43
20-1-T	18	4	4	7	10	7	50	0	46
20-2-T	7	2	3	7	14	10	40	16	46
20-1-B	10	4	4	12	10	11	32	11	41
20-2-B	1	3	4	9	8	11	57	7	37

Table 9

Arsenic Concentration in Interstitial Water from Elliott Bay Sediments, September 1976

Sample No.*	Concentration**
Disposal Site	
1-1-T	34 ± 6.5
1-2-T	68 ± 6.1
1-1-B	30 ± 6.4
1-2-B	54 ± 6.5
2-1-T	
2-2-T	53 ± 5.9
2-1-B	42 ± 5.9
2-2-B	65 ± 6.2
3-1-T	69 ± 5.7
3-2-T	76 ± 6.2
3-1-B	95 ± 7.6
3-2-B	47 ± 5.9
4-1-T	41 ± 6.2
4-2-T	32 ± 6.6
4-1-B	49 ± 5.9
4-2-B	34 ± 5.3
5-1-T	37 ± 4.6
5-2-T	49 ± 4.9
5-1-B	37 ± 4.6
5-2-B	34 ± 5.3
6-1-T	73 ± 11.7
6-2-T	179 ± 32.2
6-1-B	163 ± 30.2
6-2-B	
7-1-T	62 ± 2.8
7-2-T	40 ± 6.0
7-1-B	61 ± 6.1
7-2-B	70 ± 6.3

(Continued)

* Note: First digit of sample number indicates station location, second digit indicates cast number, and letter indicates section of core, top or bottom.

** Concentrations in micrograms per litre ± 1 standard deviation.

Table 9 (Continued)

Sample No.	Disposal Site (Continued)	Concentration
8-1-T		22 ± 9.1
8-2-T		132 ± 31.7
8-1-B		108 ± 25.9
8-2-B		106 ± 29.7
9-1-T		37 ± 9.8
9-2-T		13 ± 1.3
9-1-B		32 ± 8.6
9-2-B		182 ± 28.2
10-1-T		8 ± 0.8
10-2-T		14 ± 3.4
10-1-B		7 ± 0.7
10-2-B		29 ± 5.5
11-1-T		28 ± 5.3
11-2-T		28 ± 5.5
11-1-B		60 ± 6.0
11 2-B		43 ± 6.0
12-1-T		36 ± 5.4
12-2-T		42 ± 6.9
12-1-B		32 ± 5.9
12-2-B		29 ± 5.4
13-1-T		40 ± 5.8
13-2-T		25 ± 5.3
13-1-B		11 ± 4.6
13-2-B		25 ± 4.5
14-1-T		41 ± 5.3
14-2-T		40 ± 5.6
14-1-B		31 ± 3.7
14-2-B		36 ± 4.5
15-1-T		36 ± 4.4
15-2-T		
15-1-B		
15-2-B		61 ± 5.2
16-1-T		40 ± 4.8
16-2-T		40 ± 5.0
16-1-B		40 ± 5.0
16-2-B		43 ± 5.0

(Continued)

Table 9 (Concluded)

Sample No.	Concentration
West Reference Site	
17-1-T	67 ± 4.8
17-2-T	
17-1-B	56 ± 5.0
17-2-B	
18-1-T	46 ± 4.8
18-2-T	56 ± 5.3
18-1-B	48 ± 4.6
18-2-B	60 ± 4.5
East Reference Site	
19-1-T	76 ± 4.9
19-2-T	
19-1-B	56 ± 5.0
19-2-B	56 ± 4.5
20-1-T	59 ± 4.7
20-2-T	60 ± 4.8
20-1-B	48 ± 4.1
20-2-B	59 ± 4.8

Table 10

Manganese Concentration in Interstitial Water from Elliott Bay Sediments

Sample No.*	Concentration**	
	September 1976	December 1976
	Disposal Site	
1-1-T	3.8 ± 1.3	3.0 ± 1.6
1-2-T	1.3 ± 1.5	4.0 ± 1.3
	1.6 ± 1.7	
1-1-B	1.8 ± 1.0	3.1 ± 0.1
1-2-B	8.3 ± 3.0	3.8 ± 1.3
2-1-T		2.6 ± 0.8
2-2-T	5.4 ± 1.9	3.1 ± 0.7
2-1-B	9.6 ± 2.4	6.6 ± 1.8
2-2-B	2.7 ± 1.3	2.8 ± 1.0
3-1-T	4.5 ± 1.0	7.7 ± 2.7
3-2-T	6.4 ± 2.4	
3-1-B	2.5 ± 1.0	0.33± 0.82
3-2-B	4.4 ± 2.2	1.7 ± 0.7
4-1-T	9.6 ± 8.2	2.6 ± 0.8
4-2-T	3.9 ± 3.0	4.8 ± 1.6
4-1-B	3.6 ± 1.8	1.4 ± 1.0
4-2-B	7.9 ± 3.5	5.2 ± 1.7
5-1-T	3.4 ± 1.3	3.9 ± 1.1
5-2-T	2.0 ± 1.2	3.0 ± 1.4
5-1-B	4.0 ± 1.3	4.4 ± 1.4
5-2-B	6.3 ± 1.3	3.0 ± 1.0
6-1-T	2.3 ± 0.7	16.6 ± 6.7
6-2-T	2.7 ± 1.2	
6-1-B	3.8 ± 2.0	2.7 ± 1.1
6-2-B	2.6 ± 1.5	0.76± 0.80
7-1-T	6.0 ± 1.7	2.5 ± 1.0
7-2-T	5.0 ± 4.3	1.3 ± 0.5
7-1-B	3.7 ± 0.9	5.9 ± 2.2
7-2-B	3.1 ± 1.8	6.3 ± 3.0
8-1-T	3.9 ± 1.3	1.9 ± 1.2
8-2-T	2.1 ± 1.3	2.6 ± 1.5
8-1-B	7.3 ± 3.4	4.7 ± 1.2
8-2-B	2.1 ± 0.9	3.7 ± 1.4
9-1-T	5.2 ± 3.0	
9-2-T	4.3 ± 1.3	1.6 ± 0.9
9-1-B	5.0 ± 1.6	
9-2-B	6.1 ± 1.3	2.1 ± 0.4

(Continued)

* Note: First digit of sample number indicates station location, second digit indicates cast number, and letter indicates section of core, top or bottom.

** Concentrations measured in milligrams per litre ± 95% confidence limits.

Table 10 (Continued)

Sample No.	Concentration	
	September 1976	December 1976
	Disposal Site (Continued)	
10-1-T	3.5 ± 1.3	3.7 ± 1.4
10-2-T	5.4 ± 1.9	4.9 ± 1.6
10-1-B	3.8 ± 1.5	3.0 ± 0.8
10-2-B	3.6 ± 1.7	4.1 ± 1.1
11-1-T	7.7 ± 2.2	3.5 ± 1.6
11-2-T	2.8 ± 0.9	2.7 ± 1.3
11-1-B	3.7 ± 1.1	
11-2-B	7.0 ± 1.7	7.7 ± 4.6
12-1-T	3.1 ± 1.3	6.8 ± 2.6
12-2-T	2.2 ± 0.7	2.6 ± 0.9
12-1-B	6.3 ± 2.3	6.1 ± 2.5
12-2-B	8.7 ± 2.5	9.0 ± 5.0
13-1-T	2.2 ± 1.3	9.9 ± 4.6
13-2-T	1.2 ± 0.7	3.7 ± 0.7
13-1-B	1.2 ± 0.6	4.7 ± 1.4
13-2-B	0.36± 0.09	6.1 ± 2.9
14-1-T	2.9 ± 0.5	1.2 ± 0.4
14-2-T	5.2 ± 1.8	4.4 ± 1.1
14-1-B	3.5 ± 3.1	0.41± 0.15
14-2-B	1.6 ± 1.2	0.84± 0.86
15-1-T	2.0 ± 1.1	1.7 ± 0.7
15-2-T	5.7 ± 1.7	8.2 ± 2.8
15-1-B	1.1 ± 1.2	6.8 ± 2.9
15-2-B	3.5 ± 1.8	9.2 ± 3.0
16-1-T	1.8 ± 0.6	4.2 ± 1.0
16-2-T	2.1 ± 0.9	2.1 ± 0.5
16-1-B	3.2 ± 0.8	4.8 ± 1.5
16-2-B	2.2 ± 1.1	1.6 ± 0.8
	West Reference Site	
17-1-T	0.29 ± 0.13	0.37 ± 0.17
17-2-T	0.37 ± 0.21	0.37 ± 0.10
17-1-B	0.32 ± 0.13	0.071± 0.080
17-2-B	0.46 ± 0.14	0.20 ± 0.11

(Continued)

Table 10 (Concluded)

Sample No.	Concentration	
	November 1976	December 1976
	West Reference Site (Continued)	
18-1-T	2.0 ± 1.4	
18-2-T	0.38 ± 0.18	0.75 ± 0.12
18-1-B	0.32 ± 0.15	0.39 ± 0.12
18-2-B	0.28 ± 0.15	0.20 ± 0.10
	East Reference Site	
19-1-T	0.30 ± 0.11	0.32 ± 0.10
19-2-T	0.41 ± 0.18	0.50 ± 0.13
19-1-B	0.10 ± 0.02	0.41 ± 0.13
19-2-B	0.16 ± 0.08	0.16 ± 0.04
20-1-T	0.21 ± 0.03	0.89 ± 0.28
20-2-T	0.46 ± 0.16	0.48 ± 0.10
20-1-B	0.16 ± 0.03	0.33 ± 0.13
20-2-B	0.09 ± 0.03	0.21 ± 0.03

Table 11

Nutrient Concentrations in Interstitial Water from Elliott Bay Sediments*

Sample No.	September 1976 Phosphate mg/l-P	Silicate mg/l-Si	Ammonia mg/l-N	December 1976 Phosphate mg/l-P	Silicate mg/l-Si	Ammonia mg/l-N
			Disposal Site			
1-1-T	1.28	3.09	4.87	0.10	1.68	6.05
1-2-T	0.60	2.01	1.31	0.03	1.73	
1-1-B	0.16	2.19	4.97	0.35	1.54	8.61
1-2-B	0.17	1.87	2.58			13.5
2-1-T				0.09	1.13	7.98
2-2-T	0.36	2.45	1.78	0.28	4.27	31.1
2-1-B	1.02	2.86	3.84	0.04	1.27	10.7
2-2-B	0.80	1.98	1.41	0.02	0.67	2.11
3-1-T	0.68	2.09	0.31			
3-2-T	1.96	9.24	81.5			
3-1-B	0.78	4.69	0.75	0.00	1.14	3.90
3-2-B	0.64	4.06	19.0			
4-1-T	0.31	2.14	0.95	0.02	1.14	8.95
4-2-T	0.72	2.10	0.91	0.17	2.06	15.80
4-1-B	0.43	2.02	0.17	0.07	1.47	11.0
4-2-B	0.29	1.88	2.15	1.48	2.06	10.2
5-1-T	1.76	2.57	1.06	0.05	1.64	9.79
5-2-T	0.62	1.91	1.14	0.28	3.49	32.5
5-1-B	0.33	2.53	1.57			
5-2-B	0.39	2.24	2.52	0.44	2.17	50.3
6-1-T	1.49	2.55	4.92	0.24	1.67	29.9
6-2-T	0.74	2.20	4.45			
6-1-B				0.24	2.93	47.9
6-2-B				0.03	1.33	6.95
7-1-T	0.36	2.02	17.7	0.06	2.30	1.25
7-2-T	0.25	2.26	23.8	0.28	7.66	35.7
7-1-B	0.51	3.58	26.5	0.02	1.23	7.26
7-2-B	0.08	3.60	26.4			2.48
8-1-T	0.44	4.00	1.05	0.05	1.60	5.29
8-2-T	1.12	4.01	5.73	2.14	3.79	5.42
8-1-B	0.70	3.20	5.48	0.19	1.51	9.70
8-2-B	0.68	4.37	5.39	0.21	2.42	11.6
9-1-T	2.07	5.05	5.88			
9-2-T	0.40	4.46	3.13	0.10	1.37	8.46
9-1-B	1.71	3.27	4.27			
9-2-B	0.77	4.66	5.67	0.05	2.06	4.43
10-1-T	0.20	2.52	3.95	0.05	2.28	14.2
10-2-T	1.89	6.12	27.4			
10-1-B	1.36	4.16	9.65			
10-2-B	3.45	4.41	11.7			

(Continued)

* Note: First digit of sample number indicates station number, second digit indicates cast number, and letter indicates section of core, top or bottom.

Table 11 (Concluded)

Sample No.	September 1976 Phosphate mg/l-P	Silicate mg/l-Si	Ammonia mg/l-N	December 1976 Phosphate mg/l-P	Silicate mg/l-Si	Ammonia mg/l-N
Disposal Site (Continued)						
11-1-T	0.70	1.28		0.04	1.16	24.1
11-2-T	0.97	1.67				
11-1-B	0.61	1.51				
11-2-B	0.69	4.45		0.11	1.29	9.60
12-1-T	0.63	1.68	1.82			
12-2-T	0.83	1.37	1.84	0.03	4.23	5.83
12-1-B	0.70	1.48	0.72	0.11	0.70	3.00
12-2-B	1.47	1.59	1.97	0.02	1.03	3.13
13-1-T	0.35	1.72	0.54	0.09	0.96	1.71
13-2-T	0.73	1.37	0.78	0.02	0.92	1.14
13-1-B	0.22	1.73	0.36	0.06	1.45	2.53
13-2-B	0.16	1.34	0.18	0.13	1.61	10.2
14-1-T	1.25	1.63	0.24	0.13	1.46	3.82
14-2-T	0.27	1.27	0.21	0.02	0.87	3.32
14-1-B	0.46	1.21	0.49	0.02	1.24	2.66
14-2-B	0.11	1.62	0.86	0.05	1.86	5.98
15-1-T	0.49	1.88	0.19	0.04	1.11	8.69
15-2-T	0.31	1.47	0.29	0.13	1.31	87.5
15-1-B	0.41	1.80	1.35	0.01	0.84	8.46
15-2-B	0.62	1.48	1.03	0.10	1.28	10.1
16-1-T	0.03	0.88	5.28	0.10	0.86	5.37
16-2-T	0.25	1.17	0.52	0.14	3.68	8.87
16-1-B	0.35	1.27	0.96	0.04	1.21	6.47
16-2-B	0.29	1.30	1.03	0.05	0.71	0.71
West Reference Site						
17-1-T	0.08	1.05	0.30	0.06	2.27	5.11
17-2-T	0.08	1.36	0.52	0.05	1.42	4.10
17-1-B	0.16	0.94	0.79	0.02	1.83	1.10
17-2-B	0.10	1.10	0.88	0.05	2.14	2.69
18-1-T				0.29	3.88	10.7
18-2-T	0.05	0.85	0.22			
18-1-B	0.05	0.92	0.61			
18-2-B	0.07	1.74	0.35	0.08	3.05	4.07
East Reference Site						
19-1-T	0.03	0.86	0.14	0.10	3.00	6.66
19-2-T				0.09	2.74	8.22
19-1-B	0.05	1.02	0.90	0.10	2.76	4.17
19-2-B	0.09	1.21	0.53	0.03	2.74	3.08
20-1-T	0.05	1.07	0.16	0.10	2.86	6.18
20-2-T	0.03	0.90	0.28	0.05	3.24	4.75
20-1-B	0.04	1.07	0.25	0.10	2.25	3.85
20-2-B	0.84	1.30	1.33	0.04	2.42	3.08

Table 12

Significance of Temporal, Depth, and Spatial Differences in Chemical Variables in Elliott Bay Water

DEPENDENT VARIABLES	INDEPENDENT VARIABLES*									
	Time			Depth			Position**			
	1	2	3,4	1	2	3,4	1 & 4	2 & 3	1 & 2	3 & 4
Suspended solids	$P \leq 0.01$	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
Arsenic	$P \leq 0.01$	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
Manganese	$P \leq 0.01$	$P \leq 0.01$	$P \leq 0.01$	$P \leq 0.01$	N.S.	$P \leq 0.01$	N.S.	$P \leq 0.01$	$P \leq 0.01$	N.S.
Mercury	N.S.	N.S.	$P \leq 0.01$	N.S.	N.S.	N.S.	$P \leq 0.01$	$P \leq 0.01$	$P \leq 0.01$	$P \leq 0.01$
Nitrate	$P \leq 0.01$	$P \leq 0.01$	$P \leq 0.01$	N.S.	N.S.	$P \leq 0.01$	N.S.	N.S.	N.S.	N.S.
Arsenic	N.S.	$P \leq 0.01$	N.S.	$P \leq 0.01$	N.S.	$P \leq 0.01$	N.S.	N.S.	N.S.	N.S.
Inorganic Phosphate	$P \leq 0.01$	$P \leq 0.01$	$P \leq 0.01$	N.S.	$P \leq 0.05$	$P \leq 0.01$	N.S.	N.S.	N.S.	N.S.
Reactive Silicate	$P \leq 0.01$	$P \leq 0.01$	$P \leq 0.01$	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

* Note: Time = sampling time: September or December, 1976; Depth = sampling depth: surface, middle, or deep; Position = station location: 1 = disposal site (stations A, B, C), 2 = mouth of Duwamish River (station 44), 3 = west reference site (station 17), 4 = east reference site (station 19).

** P = significance level: ≤ 0.05, 95% significance level; $P \leq 0.01$, 99% significance level; N.S. = not significant

* The independent variables of time and depth are analyzed by analysis of covariance at the indicated positions

** The independent variable, position, is analyzed by analysis of covariance with the significance of position compared by Scheffé's multicomparison test

Table 13

Significance of Temporal, Depth, and Spatial Differences in Chemical Variables in Elliott Bay Sediments

DEPENDENT VARIABLES*	INDEPENDENT VARIABLES**								
	Time#		Depth#		Position##				
	1	2,3	1	2,3	1 & 2	1 & 3	2 & 4	1 & 4	2 & 3
NH$_3$	$p \leq 0.01$†	N.S.	$p \leq 0.01$	N.S.	$p \leq 0.01$	$p \leq 0.01$	N.S.	N.S.	N.S.
Eh	$p \leq 0.01$	$p \leq 0.01$	N.S.	N.S.	$p \leq 0.01$	N.S.	$p \leq 0.01$	N.S.	$p \leq 0.01$
Mn (Sed)	$p \leq 0.01$	N.S.	N.S.	$p \leq 0.05$	N.S.	$p \leq 0.05$	N.S.	N.S.	N.S.
Mn (IW)	N.S.	N.S.	N.S.	$p \leq 0.05$	$p \leq 0.01$	$p \leq 0.01$	$p \leq 0.01$	N.S.	N.S.
As (Sed)	N.S.	N.S.	$p \leq 0.01$	N.S.	N.S.	N.S.	$p \leq 0.05$	N.S.	N.S.
As (IW)	††	††	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
Hg (Sed)	$p \leq 0.01$	N.S.	$p \leq 0.01$	N.S.	N.S.	$p \leq 0.01$	N.S.	N.S.	$p \leq 0.05$
Cr (Sed)	N.S.	N.S.	$p \leq 0.05$	N.S.	$p \leq 0.01$	N.S.	$p \leq 0.01$	N.S.	$p \leq 0.01$
Free sulfide	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
CF1 (> 2mm)	N.S.	N.S.	$p \leq 0.01$	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
CF2 (1 - 2mm)	N.S.	N.S.	$p \leq 0.01$	N.S.	$p \leq 0.01$	N.S.	N.S.	N.S.	$p \leq 0.05$
CF3 (0.5 - 1mm)	N.S.	N.S.	$p \leq 0.01$	N.S.	N.S.	$p \leq 0.01$	N.S.	N.S.	$p \leq 0.01$
CF4 (0.25 - 0.5mm)	N.S.	$p \leq 0.05$	$p \leq 0.01$	N.S.	N.S.	$p \leq 0.01$	N.S.	$p \leq 0.01$	$p \leq 0.01$
silt (0.002 - 0.06mm)	N.S.	N.S.	N.S.	N.S.	$p \leq 0.05$	$p \leq 0.05$	N.S.	$p \leq 0.01$	$p \leq 0.01$
clay (< 0.002mm)	N.S.	N.S.	N.S.	N.S.	N.S.	$p \leq 0.01$	N.S.	$p \leq 0.01$	$p \leq 0.01$
Inorganic phosphate	$p \leq 0.01$	N.S.	N.S.	N.S.	$p \leq 0.05$	$p \leq 0.05$	N.S.	N.S.	N.S.
Ammonia	$p \leq 0.01$	$p \leq 0.01$	N.S.	N.S.	$p \leq 0.01$	$p \leq 0.01$	$p \leq 0.05$	$p \leq 0.01$	N.S.

* Note: Sed = sediment, IW = interstitial water, CF = coarse fraction from pipette analysis

** Time = sampling time: September or December, 1976; depth = section of core: top or bottom; position = station location: 1 = center of disposal site (stations 6, 7, 10, 11), 2 = west reference site (stations 17, 18), 3 = east reference site (stations 19, 20), 4= edge of disposal site (stations 1, 2, 3, 4, 5, 8, 9, 12, 13, 14, 15, 16).

† p = significance level; $p \leq 0.05$, 95% significance level; $p \leq 0.01$, 99% significance level; N.S. = not significant

†† Analysis done only on September samples

\# The independent variables of time and depth are analyzed by analysis of covariance at the indicated positions

\#\# The independent variable, position, is analyzed by analysis of covariance with the significance of position compared by Scheffé's multicomparison test.

Table 14

Pearson Correlation Coefficients Matrix for Seawater at Stations 6 and 10 (Disposal Site)

	SOLP	AS	MN	HG	NO3	NH3	PO4	SI
SOL	1.0000**	.3241	.4389	-.2813	-.3917	.0719	-.3243	-.3570
	(0)	(24)	(24)	(23)	(24)	(24)	(24)	(24)
	S= .001	S= .060	S= .001	S= .097	S= .029	S= .369	S= .061	S= .136
AS	.3241	1.0000	.3920	-.2493	-.4329	-.2500	-.5129	-.4388
	(24)	(0)	(24)	(23)	(24)	(24)	(24)	(24)
	S= .060	S= .001	S= .029	S= .107	S= .017	S= .119	S= .005	S= .016
MN	.4389	.3920	1.0000	-.2826	-.1545	-.3637	-.2490	-.2409
	(24)	(24)	(0)	(23)	(24)	(24)	(24)	(24)
	S= .001	S= .029	S= .001	S= .096	S= .181	S= .040	S= .102	S= .126
HG	-.2813	-.2493	-.2826	1.0000	.2283	.0122	.4122	.4349
	(23)	(23)	(23)	(0)	(23)	(23)	(23)	(23)
	S= .097	S= .107	S= .096	S= .001	S= .147	S= .478	S= .026	S= .019
NO3	-.3917	-.4329	-.1545	.2283	1.0000	.2394	.7769	.8144
	(24)	(24)	(24)	(23)	(0)	(24)	(24)	(24)
	S= .029	S= .017	S= .181	S= .147	S= .001	S= .130	S= .001	S= .001
NH3	.0719	-.2500	-.3637	.0122	.2394	1.0000	.1301	.2404
	(24)	(24)	(24)	(23)	(24)	(0)	(24)	(24)
	S= .369	S= .119	S= .040	S= .478	S= .130	S= .001	S= .272	S= .129
PO4	-.3243	-.5129	-.2490	.4122	.7769	.1301	1.0000	.9438
	(24)	(24)	(24)	(23)	(24)	(24)	(0)	(24)
	S= .061	S= .005	S= .102	S= .026	S= .001	S= .272	S= .001	S= .001
SI	-.3570	-.4388	-.2409	.4349	.8144	.2404	.9438	1.0000
	(24)	(24)	(24)	(23)	(24)	(24)	(24)	(0)
	S= .136	S= .016	S= .126	S= .019	S= .001	S= .129	S= .001	S= .001

* Note: SOL= suspended solids, NO3= nitrate, NH3= ammonia, PO4=inorganic phosphate, SI= reactive silicate.

** Matrix gives coefficients, number of points considered, and significance of coefficients.

Table 15

Pearson Correlation Coefficients Matrix for Seawater at Stations 17 and 19 (Reference Stations)

	SOL*	AS	MN	MO	NO3	NH3	PO4	SI
SOL	1.0000**	.3698	.0401	-.1356	.3093	.3863	.4295	.3112
	(0)	(241)	(241)	(241)	(241)	(241)	(241)	(241)
	S= .001	S= .371	S= .780	S= .148	S= .071	S= .073	S= .018	S= .069
AS	.3698	1.0000	.1327	-.0408	.0124	.3445	.0594	.1098
	(241)	(0)	(241)	(241)	(241)	(241)	(241)	(241)
	S= .371	S= .001	S= .268	S= .425	S= .448	S= .050	S= .484	S= .306
MN	.0401	.1327	1.0000	.1655	-.4292	-.0497	-.4115	-.4513
	(241)	(241)	(0)	(241)	(241)	(241)	(241)	(241)
	S= .780	S= .268	S= .001	S= .109	S= .018	S= .489	S= .023	S= .012
MO	-.1956	-.0408	.1655	1.0000	-.3544	.2404	-.3779	-.2219
	(241)	(241)	(241)	(0)	(241)	(241)	(241)	(241)
	S= .148	S= .425	S= .109	S= .001	S= .045	S= .102	S= .034	S= .149
NO3	.3093	.0124	-.4292	-.3544	1.0000	-.1093	.9574	.8693
	(241)	(241)	(241)	(241)	(0)	(241)	(241)	(241)
	S= .071	S= .448	S= .018	S= .045	S= .001	S= .586	S= .001	S= .301
NH3	.3863	.3445	-.0497	.2404	-.1093	1.0000	.1140	.2274
	(241)	(241)	(241)	(241)	(241)	(0)	(241)	(241)
	S= .073	S= .050	S= .489	S= .102	S= .586	S= .001	S= .295	S= .132
PO4	.4295	.0594	-.4115	-.3779	.9574	.1140	1.0000	.9071
	(241)	(241)	(241)	(241)	(241)	(241)	(0)	(241)
	S= .018	S= .484	S= .023	S= .034	S= .001	S= .295	S= .001	S= .001
SI	.3112	.1098	-.4513	-.2219	.8693	.2274	.9071	1.0000
	(241)	(241)	(241)	(241)	(241)	(241)	(241)	(0)
	S= .069	S= .306	S= .012	S= .149	S= .001	S= .132	S= .001	S= .001

* Note: SOL= suspended solids, NO3= nitrate, NH3= ammonia, PO4= inorganic phosphate, SI= reactive silicate.

** Matrix gives coefficients, number of points considered, and significance of coefficients.

Table 16

Pearson Correlation Coefficients Matrix for Sediments at Stations 6, 7, 10, and 11 (Disposal Site)

	PH	EH	MNSED	MNIW	ASSED	ASIW	HGSED	HGIW	CRSED	S
PH	1.0000	.7510	-.2332	-.3001	.2407	.0891	.2765	-.1569	-.2047	-.0219
	(0)	(119)	(116)	(119)	(118)	(51)	(116)	(52)	(116)	(118)
	S= .001	S= .000	S= .006	S= .001	S= .001	S= .267	S= .001	S= .133	S= .013	S= .407
EH	.7510	1.0000	-.1516	-.2047	.0507	.0596	-.2086	.0623	-.1589	-.0774
	(119)	(0)	(117)	(119)	(118)	(52)	(117)	(53)	(116)	(118)
	S= .000	S= .001	S= .051	S= .015	S= .297	S= .338	S= .012	S= .329	S= .044	S= .202
MNSED	-.2332	-.1516	1.0000	.2767	-.0507	-.1248	-.0108	.0082	.0958	-.0190
	(116)	(117)	(0)	(116)	(115)	(48)	(114)	(49)	(113)	(115)
	S= .006	S= .051	S= .001	S= .001	S= .289	S= .171	S= .453	S= .475	S= .144	S= .420
MNIW	-.3001	-.2047	.2767	1.0000	-.1493	-.0489	-.2373	.0870	.0452	.0667
	(119)	(119)	(116)	(0)	(122)	(61)	(120)	(62)	(122)	(122)
	S= .001	S= .015	S= .001	S= .001	S= .014	S= .354	S= .067	S= .478	S= .738	S= .233
ASSED	.2407	.0507	-.0507	-.1493	1.0000	-.0593	.4356	.0220	.1716	-.0752
	(118)	(118)	(115)	(122)	(0)	(61)	(126)	(62)	(120)	(120)
	S= .001	S= .293	S= .289	S= .014	S= .001	S= .325	S= .001	S= .433	S= .027	S= .205
ASIW	.0891	.0596	-.1248	-.0489	-.0593	1.0000	-.0319	-.0885	.0846	-.0080
	(51)	(52)	(48)	(61)	(61)	(0)	(61)	(61)	(61)	(61)
	S= .267	S= .338	S= .171	S= .354	S= .325	S= .401	S= .404	S= .474	S= .440	S= .473
HGSED	.2765	-.2086	-.0108	-.2373	.4356	-.0319	1.0000	.1223	.0228	-.0291
	(116)	(117)	(114)	(120)	(126)	(61)	(0)	(62)	(126)	(126)
	S= .001	S= .012	S= .453	S= .067	S= .001	S= .404	S= .001	S= .172	S= .488	S= .373
HGIW	-.1569	.0623	.0082	.0870	.0220	-.0885	.1223	1.0000	.1567	.0430
	(52)	(53)	(49)	(62)	(62)	(61)	(62)	(0)	(62)	(62)
	S= .133	S= .329	S= .475	S= .478	S= .433	S= .474	S= .172	S= .001	S= .112	S= .642
CRSED	-.2047	-.1589	.0958	.0452	.1716	.0846	.0228	.1567	1.0000	.0410
	(116)	(116)	(113)	(122)	(120)	(61)	(126)	(62)	(0)	(126)
	S= .013	S= .044	S= .144	S= .238	S= .027	S= .440	S= .400	S= .112	S= .001	S= .321
S	-.0219	-.0774	-.0190	.0667	-.0752	-.0080	-.0291	.0430	.0410	1.0000
	(118)	(118)	(115)	(122)	(120)	(61)	(126)	(62)	(126)	(0)
	S= .407	S= .202	S= .420	S= .233	S= .205	S= .473	S= .373	S= .642	S= .321	S= .001

(Continued)

* Note: MNSED= sediment manganese, MNIW= interstitial water manganese, ASSED= sediment arsenic, ASIW= interstitial water arsenic, HGSED= sediment mercury, HGIW= interstitial water mercury, CRSED= sediment chromium, S= free sulfide.
** Matrix gives coefficients, number of points considered, and significance of coefficients.

Table 16 (Concluded)

	CF1	CF2	CF3	CF4	SILT	CLAY	PO4	NH4	SI
RJ	.3773	.4092	-.1947	-.2154	-.0740	-.0220	-.0624	-.2681	-.1019
	(118)	(118)	(118)	(118)	(118)	(117)	(100)	(97)	(100)
	S= .001	S= .001	S= .017	S= .010	S= .213	S= .405	S= .269	S= .004	S= .157
EH	.2511	.2680	.0550	-.0528	-.1400	-.0651	.2673	-.3216	.0196
	(119)	(119)	(119)	(119)	(119)	(118)	(101)	(98)	(101)
	S= .003	S= .003	S= .276	S= .284	S= .064	S= .242	S= .003	S= .001	S= .423
MVSED	-.2273	-.2740	-.4731	-.2307	.6010	-.1037	-.1278	.4996	.0269
	(125)	(125)	(125)	(124)	(125)	(123)	(107)	(104)	(107)
	S= .005	S= .001	S= .001	S= .005	S= .001	S= .127	S= .095	S= .001	S= .405
MNIW	-.2881	-.3279	-.0887	.1137	.2198	-.0279	.0120	.1939	-.0224
	(122)	(122)	(122)	(121)	(122)	(120)	(110)	(107)	(110)
	S= .001	S= .001	S= .166	S= .107	S= .007	S= .381	S= .450	S= .029	S= .408
ASSED	.5107	.4903	-.3446	-.4513	.0369	-.0628	-.1073	-.0111	.0110
	(128)	(128)	(128)	(127)	(128)	(126)	(110)	(107)	(110)
	S= .001	S= .001	S= .001	S= .001	S= .339	S= .243	S= .132	S= .455	S= .446
ASIW	-.0774	-.0739	.2864	.1857	-.1945	-.1030	-.0605	-.0316	.1466
	(61)	(61)	(61)	(60)	(61)	(59)	(60)	(56)	(60)
	S= .277	S= .286	S= .013	S= .078	S= .067	S= .219	S= .323	S= .408	S= .136
MOSED	.2672	.3461	-.2191	-.3824	.0756	-.0853	-.2140	.0430	-.1988
	(126)	(126)	(126)	(125)	(126)	(124)	(105)	(105)	(108)
	S= .001	S= .001	S= .007	S= .001	S= .399	S= .173	S= .013	S= .332	S= .142
MOIW	-.1257	-.0102	-.0726	-.0446	.1783	-.0927	-.1196	.0163	.0819
	(62)	(62)	(62)	(61)	(62)	(60)	(61)	(57)	(61)
	S= .165	S= .469	S= .287	S= .366	S= .083	S= .241	S= .179	S= .452	S= [illegible]
CRSED	-.1680	-.1922	-.0938	-.0184	.2204	-.0660	-.1635	.1589	.0788
	(128)	(128)	(128)	(127)	(128)	(126)	(110)	(107)	(110)
	S= .031	S= .015	S= .146	S= .419	S= .006	S= .229	S= .044	S= .051	S= .207
K	-.1049	-.0919	.0897	.1076	-.0465	.0856	.0047	-.2210	-.0091
	(128)	(128)	(128)	(127)	(128)	(126)	(110)	(107)	(110)
	S= .119	S= .151	S= .156	S= .114	S= .301	S= .170	S= .481	S= .107	S= .463

Table 17

Pearson Correlation Coefficients Matrix for Sediments at Stations 11 and 13 (Reference Stations)

	S= *	S=	MNSED	MNIW	ASSED	ASIW	HGSED	HGIW	CRSED	S
S=	1.0000 **	-.2150	-.1824	.0945	-.0562	-.0830	-.1582	.1960	-.0076	.1773
	(0)	(32)	(31)	(31)	(32)	(13)	(31)	(15)	(32)	(32)
	S= .861	S= .119	S= .163	S= .306	S= .380	S= .174	S= .198	S= .242	S= .317	S= .166
S=	-.2150	1.0000	.0697	.1457	-.0539	.1290	-.0867	-.1943	.2079	-.0837
	(32)	(0)	(31)	(31)	(32)	(13)	(31)	(15)	(32)	(32)
	S= .119	S= .001	S= .175	S= .217	S= .448	S= .348	S= .321	S= .264	S= .049	S= .650
MNSED	-.1824	.0697	1.0000	.1857	.0615	.0965	-.0738	-.0037	-.0131	-.1265
	(31)	(31)	(0)	(30)	(31)	(13)	(30)	(15)	(31)	(31)
	S= .163	S= .175	S= .001	S= .163	S= .371	S= .377	S= .341	S= .495	S= .472	S= .248
MNIW	.0945	.1457	.1857	1.0000	-.0796	-.0340	-.1404	-.1066	.0724	-.1429
	(31)	(31)	(30)	(0)	(31)	(13)	(30)	(15)	(31)	(31)
	S= .306	S= .217	S= .163	S= .001	S= .335	S= .466	S= .229	S= .276	S= .348	S= .148
ASSED	-.0562	-.0539	.0615	-.0796	1.0000	-.2395	.0380	.0966	-.3516	-.0719
	(32)	(32)	(31)	(31)	(0)	(13)	(31)	(15)	(32)	(32)
	S= .380	S= .448	S= .371	S= .335	S= .001	S= .001	S= .041	S= .001	S= .001	S= .455
ASIW	-.0830	.1290	.0965	-.0340	-.2395	1.0000	-.0648	-.9161	.7903	-.0000
	(13)	(13)	(13)	(13)	(13)	(0)	(13)	(12)	(13)	(13)
	S= .174	S= .348	S= .377	S= .466	S= .001	S= .001	S= .001	S= .001	S= .001	S= .000
HGSED	-.1582	-.0867	-.0738	-.1404	.0380	-.0648	1.0000	.9771	-.0310	.0242
	(31)	(31)	(30)	(30)	(31)	(13)	(0)	(15)	(31)	(31)
	S= .198	S= .321	S= .341	S= .229	S= .041	S= .001	S= .001	S= .001	S= .001	S= .032
HGIW	.1960	-.1943	-.0037	-.1066	.0966	-.9161	.9771	1.0000	-.0599	.0000
	(15)	(15)	(15)	(15)	(15)	(12)	(15)	(0)	(15)	(15)
	S= .242	S= .264	S= .495	S= .276	S= .001	S= .001	S= .001	S= .001	S= .015	S= .000
CRSED	-.0076	.2079	-.0131	.0724	-.3516	.7903	-.0310	-.0599	1.0000	-.1310
	(32)	(32)	(31)	(31)	(32)	(13)	(31)	(15)	(0)	(32)
	S= .317	S= .049	S= .472	S= .048	S= .001	S= .001	S= .001	S= .001	S= .001	S= .237
S=	.1773	-.0837	-.1265	-.1429	-.0719	.0000 *	.0242	.0000 *	-.1310	1.0000
	(32)	(32)	(31)	(31)	(32)	(13)	(31)	(15)	(32)	(0)
	S= .166	S= .650	S= .248	S= .148	S= .455	S=99.000	S= .432	S=99.000	S= .237	S= .001

(Continued)

* Note: MNSED= sediment manganese, MNIW= interstitial water manganese, ASSED= sediment arsenic, ASIW= interstitial water arsenic, HGSED= sediment mercury, HGIW= interstitial water mercury, CRSED= sediment chromium, S= free sulfide.
** Matrix gives coefficients, number of points considered, and significance of coefficients.
† 99.000= uncomputable

Table 17 (Concluded)

	CF1	CF2	CF3	CF4	SILT	CLAY	PO4	KMA	SI
PH	.5325 (32) S= .001	.1869 (32) S= .255	.2119 (32) S= .101	.1444 (32) S= .786	-.2741 (32) S= .129	-.2742 (32) S= .063	.1092 (28) S= .291	.1221 (28) S= .294	.0506 (28) S= .392
TN	-.1190 (32) S= .257	.2666 (32) S= .070	.1702 (32) S= .176	.1748 (32) S= .173	-.1942 (32) S= .143	.0637 (32) S= .364	-.4625 (28) S= .376	-.5728 (28) S= .001	-.5237 (28) S= .987
[illegible]	.0041 (31) S= .491	.1010 (31) S= .294	.0156 (31) S= .467	.0076 (31) S= .496	-.1246 (31) S= .252	.1903 (31) S= .153	-.4335 (27) S= .012	.4161 (27) S= .015	.4442 (27) S= .010
[illegible]	.1820 (31) S= .163	-.0145 (31) S= .469	.0061 (31) S= .444	.2287 (31) S= .108	-.1350 (31) S= .235	-.1216 (31) S= .257	-.1406 (27) S= .242	.3964 (27) S= .020	.2429 (27) S= .086
[illegible]	-.1030 (32) S= .196	-.5449 (32) S= .002	-.4090 (32) S= .019	-.4856 (32) S= .002	.5929 (32) S= .001	.2464 (32) S= .087	-.0193 (28) S= .475	.0572 (28) S= .386	.0923 (28) S= .320
[illegible]	.3791 (13) S= .107	.4031 (13) S= .086	.1630 (13) S= .297	.0876 (13) S= .388	-.4449 (13) S= .063	.3291 (13) S= .137	-.0449 (12) S= .443	-.2231 (12) S= .243	-.1576 (12) S= .290
[illegible]	-.0441 (31) S= .403	-.3181 (31) S= .041	-.2254 (31) S= .111	-.2986 (31) S= .051	.3202 (31) S= .040	.1027 (31) S= .291	-.0196 (27) S= .461	.0301 (27) S= .441	-.0097 (27) S= .481
[illegible]	-.3125 (15) S= .128	-.3317 (15) S= .114	-.2217 (15) S= .214	-.3045 (15) S= .134	.3064 (15) S= [illegible]	.0130 (15) S= .482	-.0472 (13) S= .399	.0490 (13) S= .455	.0760 (13) S= .488
[illegible]	.0298 (32) S= .444	.5127 (32) S= .001	.2378 (32) S= .095	.4798 (32) S= .003	-.4724 (32) S= .003	-.1994 (32) S= .137	-.0017 (28) S= .497	-.1317 (28) S= .252	-.0969 (28) S= .313
[illegible]	.0660 (32) S= .364	-.0712 (32) S= .349	-.1027 (32) S= .288	-.0559 (32) S= .382	.0758 (32) S= .342	.0006 (32) S= .499	-.0779 (28) S= .347	.0868 (28) S= .330	.1407 (28) S= .238

Table 18

Effect of Storage Upon Concentration of Arsenic in Interstitial Waters

Sample No.	Arsenic Concentration* As1 11/76	As2 5/77	As1 - As2	Percent change in As concentration (As1 - As2/As1 x 100)
3-2-T	0.026	0.016	-0.01	-38
5-2-8	0.034	0.013	-0.021	-62
6-2-T	0.179	0.058	-0.121	-68
6-1-8	0.163	0.068	-0.095	-58
7-2-8	0.070	0.025	-0.045	-64
8-1-8	0.108	0.044	-0.064	-59
8-2-8	0.106	0.057	-0.049	-46
9-8-T	0.013	0.043	+0.03	+231
9-2-8	0.182	0.069	-0.113	-62
11-1-T	0.026	0.016	-0.010	-38
11-2-T	0.026	0.000	-0.008	-23
11-2-8	0.043	0.048	+0.005	+12
20-1-T	0.059	0.025	-0.034	-58
20-2-8	0.053	0.013	-0.04	-75

*Note: All concentrations in mg/l.
Percent change in arsenic concentration = -75% to +231%;
mean decrease in arsenic concentration after 6 months = -66% (12 samples);
and mean increase in arsenic concentration after 6 months = +122% (2 samples.

Table 19

Effect of Storage and Sample Size Upon Concentration of Mercury in Interstitial Waters

Sample No.	Mercury concentration* 11/76	5/77	Sample size ml	Change in Hg concentration	Percent change in Hg concentration
17-2-8	16	14	0.53	4	22
18-2-T	9	5	4.0	4	44
19-2-T	10	2	7.7	8	80
20-1-8	22	3	5.5	19	86

*Note: All concentrations in ng/l.