Appendix F
Mussel Watch Data
Trinidad Head

Constituent	Jul-77	Nov-77	Jul-78	Nov-78	Oct-79	Jan-81	Jan-82	Sep-82	Sep-83	Sep-84	Aug-85	Sep-86
Cadmium	0.72	0.65	0.78	0.71	no data	1.00	1.01	0.87	0.87	1.03	1.06	1.27
Chromium	0.53	0.54	0.28	0.46	no data	0.47	0.40	0.40	0.71	0.44	0.56	0.57
Copper	1.48	1.47	0.82	1.05	no data	1.53	1.25	1.02	1.30	1.26	0.74	1.11
Mercury	0.0197	0.0167	0.0309	0.0375	no data	0.0329	0.0174	0.0302	0.0287	0.0320	0.0332	0.0320
Nickel	0.65	0.59	n/a	n/a	no data	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lead	0.19	0.19	0.18	0.20	no data	0.34	0.30	0.15	0.33	0.22	0.24	0.21
Selenium	n/a	n/a	n/a	n/a	no data	n/a	0.51	0.53	n/a	n/a	n/a	n/a
Silver	0.009	0.006	0.011	0.008	no data	0.010	0.022	0.007	0.010	0.008	0.010	0.006
Zinc	18.8	15.4	15.8	16.5	no data	20.6	27.7	20.5	22.1	21.4	15.7	18.2
(units measured in ppm, wet weight)												
Total Chlordane	n/a	n/a	n/a	n/a	1.1	1.4	0.4	n/d	0.2	n/d	n/d	n/d
Total DDT	2.4	2.2	0.7	1.4	1.3	2.0	1.0	0.7	0.5	0.5	n/d	0.3
Total of PCB arochlors	3.2	2.5	1.2	1.2	n/d	2.4	n/d	n/d	n/d	n/d	n/d	n/d
Total of Endosulfan	n/a	n/a	n/a	n/a	n/d	0.3	n/d	n/d	n/d	n/d	n/d	n/d
(units measured in ppb, wet weight)												

n/d=not detected
n/a=not analyzed
no data=no data collected for that date

The data is from State mussel watch program (1977-2004)

Constituent	Sep-87	Sep-88	Sep-89	Sep-90	Oct-91	Oct-92	Oct-93	Nov-94	Apr-98	Apr-99	Nov-99
Cadmium	1.32	1.09	1.32	1.10	1.50	1.50	1.60	0.97	0.61	0.79	0.64
Chromium	0.63	0.50	0.51	0.53	0.45	0.45	1.00	9.70	0.79	1.81	1.42
Copper	1.02	1.29	1.70	0.90	1.70	1.70	1.40	1.70	1.07	1.46	1.74
Mercury	0.0090	0.0260	0.0176	0.0200	0.0200	0.0140	0.0360	0.0240	0.0768	0.0243	0.0223
Nickel	n/a	0.53	n/a	0.50	0.60	n/a	0.83	n/a	0.64	1.49	1.24
Lead	0.26	0.13	0.13	0.19	0.20	0.13	0.30	0.21	0.16	0.22	0.16
Selenium	n/a	n/a	n/a	0.23	0.44	n/a	0.27	n/a	n/a	0.56	0.48
Silver	0.007	0.006	0.005	n/d	0.004	0.004	0.006	0.006	0.003	0.004	0.005
Zinc	18.0	24.3	20.1	23.0	25.0	18.0	28.0	26.0	21.6	21.7	14.1
(units measured in ppm, wet weight)											
Total Chlordane	n/d	n/d	n/d	0.3	1.6	0.5	0.2	0.2	0.2	0.4	n/d
Total DDT	n/d	n/d	n/d	1.4	n/d	n/d	0.6	0.6	n/d	0.5	n/d
Total of PCB arochlors	n/d	n/d	n/d	n/d	n/d	n/d	n/d	2.2	3.0	n/d	2.4
Total of Endosulfan	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
(units measured in ppb, wet weight)											

n/d=not detected
n/a=not analyzed
no data=no data collected for that date

The data is from State mussel watch program (1977-2004)

Constituent	Nov-00	Nov-01	Nov-02	Dec-03	N	Median	Mean	Standard Deviation
Cadmium	no data	0.96	1.75	1.18	25	1.01	1.05	0.315
Chromium	no data	1.20	1.60	1.29	25	0.54	1.09	1.841
Copper	no data	1.87	3.32	1.55	25	1.40	1.42	0.505
Mercury	no data	no data	0.0214	0.0214	24	0.02	0.03	0.013
Nickel	no data	0.88	1.04	1.11	12	0.74	0.84	0.317
Lead	no data	0.20	0.32	0.21	25	0.20	0.21	0.062
Selenium	no data	0.71	1.12	0.58	10	0.52	0.54	0.246
Silver	no data	n/d	0.004	n/d	22	0.01	0.01	0.004
Zinc	no data	19.2	28.2	20.8	25	20.60	20.82	4.042
(units measured in ppm, wet weight)								
Total Chlordane	0.3	0.6	0.3	n/d	14	0.37	0.55	0.467
Total DDT	n/d	n/d	no data	n/d	15	0.70	1.07	0.680
Total of PCB arochlors	8.4	n/d	4.6	2.9	11	2.50	3.09	1.995
Total of Endosulfan	n/d	no data	n/d	n/d	1	0.30	0.30	n/a
(units measured in ppb, wet weight)								

n/d=not detected
n/a=not analyzed
no data=no data collected for that date

The data is from State mussel watch program (1977-2004)

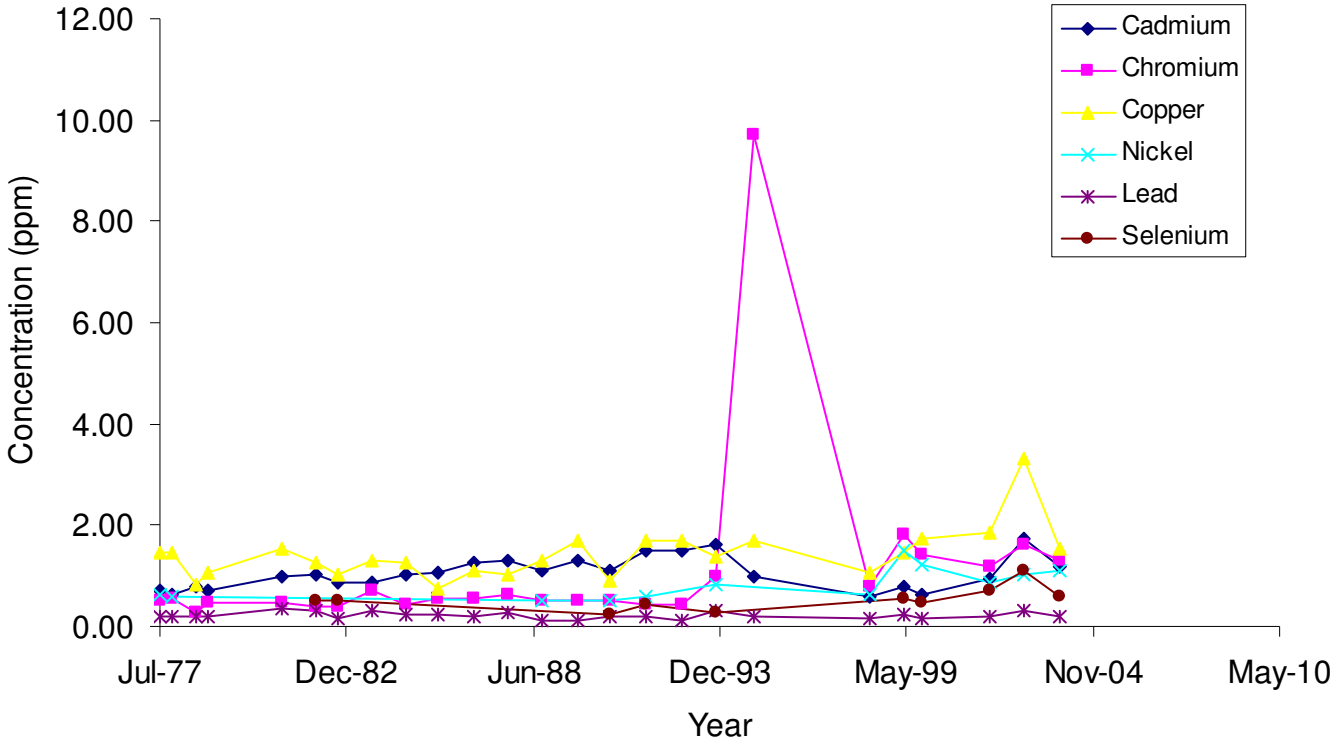

Figure ? Concentration (wet weight) trend of Cadmium, Chromium, Copper, Nickel, Lead and Selenium from mussel watch data in Trinidad Head between 1977 and 2003.(Not detected is counted as zero)

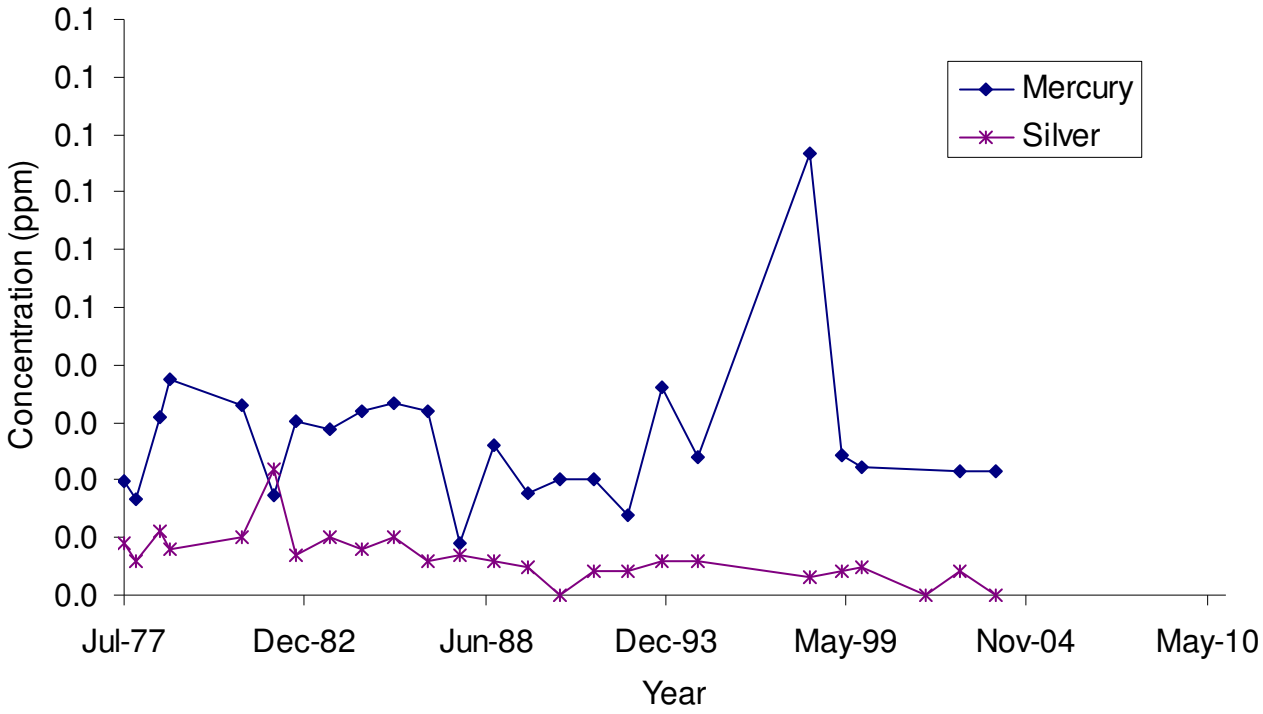

Figure ? Concentration (wet weight) trend of Mercury and Silver from mussel watch data in Trinidad Head between 1977 and 2003 (Not detected is counted as zero)

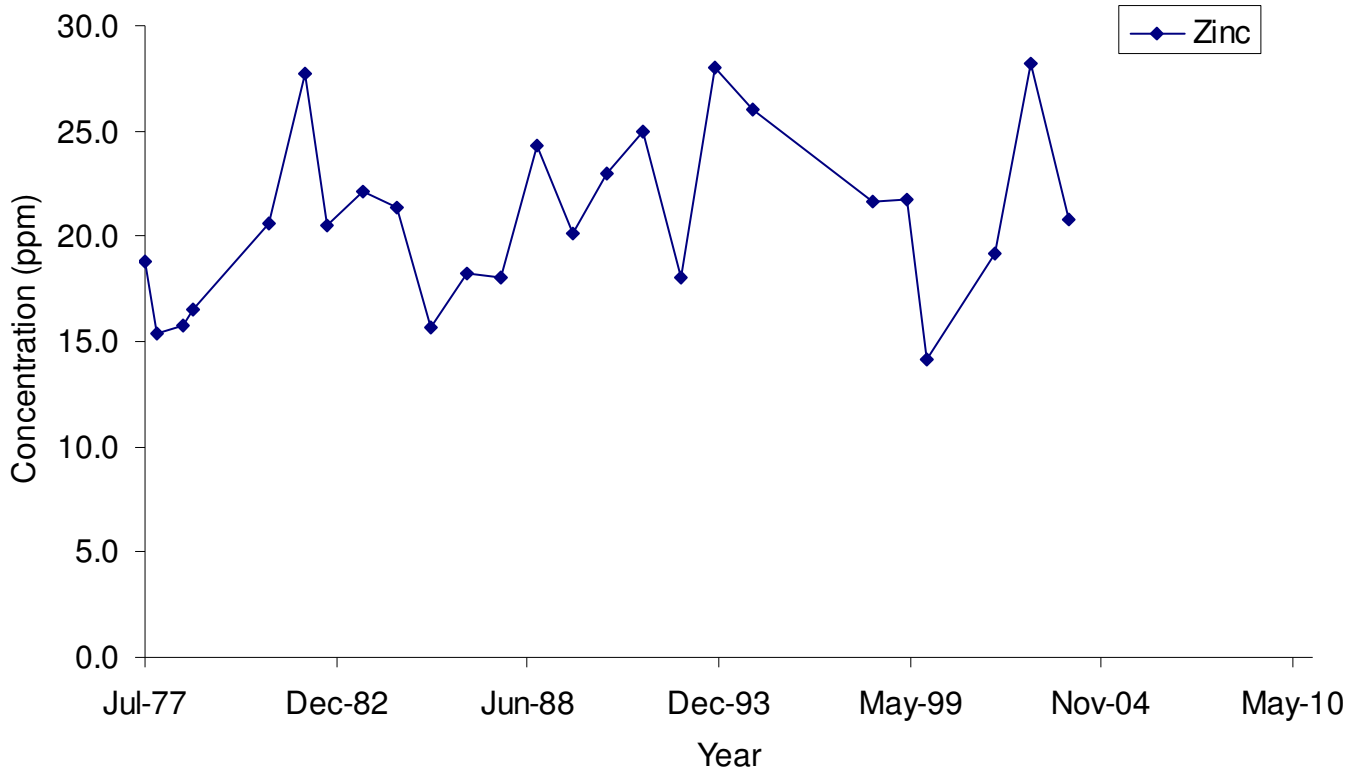

Figure ? Concentration (wet weight) trend of Zinc from mussel watch data in Trinidad Head between 1977 and 2003. (Not detected is counted as zero)

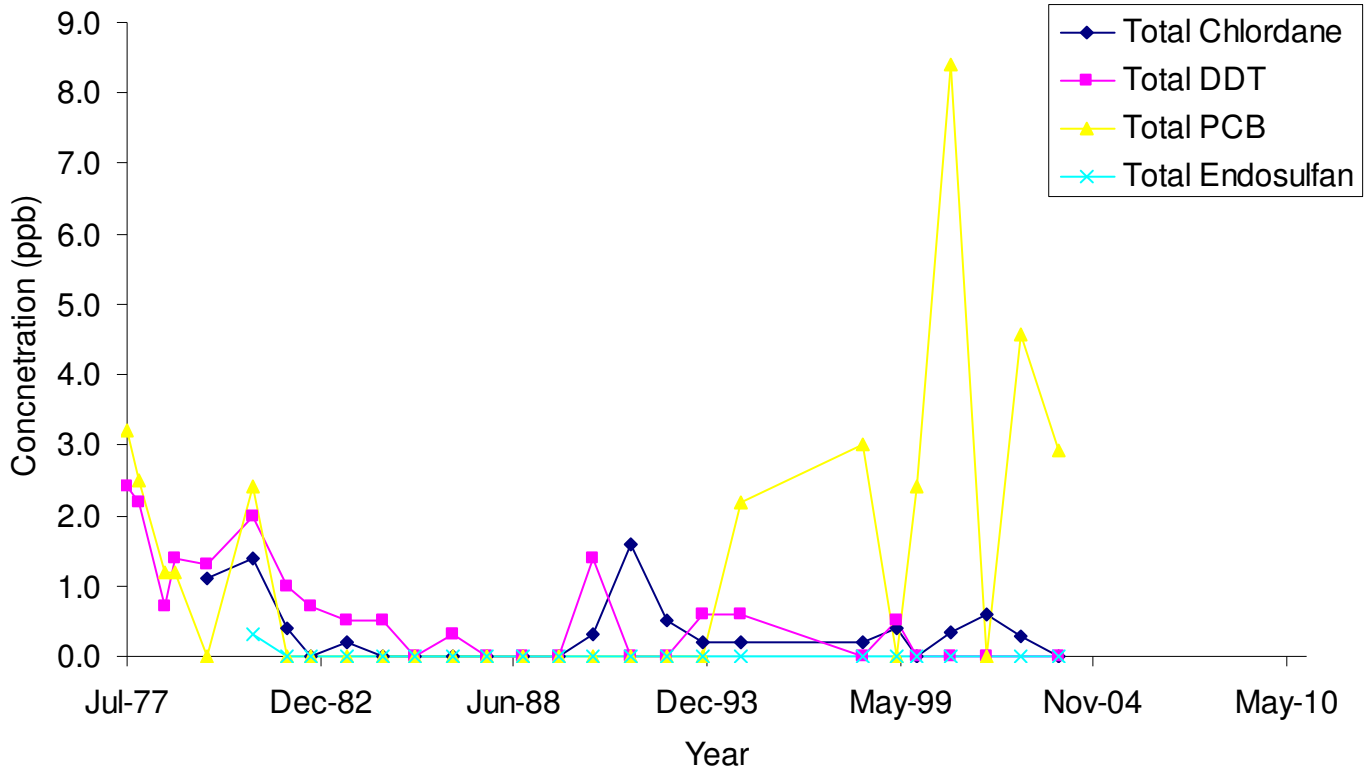

Figure ? Concentration (wet weight) trend of total organics from mussel watch data in Trinidad Head between 1977 and 2003.
(Not detected is counted as zero)