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Contaminated Monitoring Report for Seafood Harvested in 2007

from

the New Bedford Harbor Superfund Site

by

Massachusetts Department of Environmental Protection

and

Massachusetts Division of Marine Fisheries

September 2009

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1. Introduction

This report documents the levels of PCBs (polychlorinated biphenyls) measured in edible seafood species caught in New Bedford Harbor and surrounding Buzzards Bay in southeastern Massachusetts in 2007. This seafood monitoring program is part of the ongoing PCB cleanup program for the New Bedford Harbor (NBH) Superfund Site, and was a collaborative effort involving the MA Department of Marine Fisheries (DMF), the MA Department of Environmental Protection, (MassDEP) and the U.S. Environmental Protection Agency - Region I (EPA).

Due to the identification of high PCB levels in area seafood, the MA Department of Public Health (MADPH) in 1979 promulgated regulations restricting seafood consumption in three closure areas in and around NBH as shown on Figure 1 (MADPH, 1979). NBH was subsequently listed as a Superfund site in 1983. Per the 1998 Record of Decision (ROD) (EPA, 1998) for the site, approximately 880,000 cubic yards (cy) of PCB-contaminated sediments and soils are to be removed. As of the end of 2007 dredging season, approximately 132,000 cy of the most highly PCB-contaminated sediments and shoreline soils have been remediated (including all pilot studies and hot spot dredging volumes). Each year about 20,000 cy to 25,000 cy of sediments are expected to be dredged if funding remains near $15 million per year, although higher rates of funding and dredging will occur in 2009 and 2010 due to EPA stimulus funding. Consistent with the 1998 ROD, this seafood monitoring program will aid in the evaluation of the overall effectiveness of the harbor cleanup, as well as assist in the implementation of institutional controls and seafood restrictions.

2. Seafood Monitoring Program Design

Based on previous investigations and risk assessments performed for the NBH site, a variety of species were selected for this monitoring program that are considered locally caught seafood; are generally available for field collection; and which bracket potential worse case tissue levels **(**MassDEP, 2007**)**. These species include lobster (*Homarus americanus*), blue crabs (*Callinectes sapidus*), quahog (i.e., hard shelled clam, *Mercenaria mercenaria*), alewife (*Alosa pseudoharengus*), American eel (*Anguilla rostrata*), black sea bass (*Centropristes striatus*), winter flounder (*Pseudopleuronectes americanus*), and scup (*Stenotomus chrysops).* The goal of this seafood monitoring program is to acquire annual collections of these species in sufficient numbers from all three closure areas to enable statistical comparisons between them, but with the understanding that some species may not necessarily be caught in sufficient numbers every year.

To meet this goal, the monitoring design calls for five composite samples for each species from each of the three closure areas. Based on previous site sampling experience, modifications have been made to the original sampling approach to account for the availability of samples in the field, as follows: blue crabs were substituted in location in Area 1 where lobsters were not found; eels were substituted for flounders in Areas 1 and 2; and alewife were caught in Area 1 (north of the contaminated area) because they migrate

through the site. For lobster, blue crabs, black sea bass, American eel, alewife, and scup, each composite sample consists of three legally harvestable organisms. For quahog the composite sample consists of one dozen legally harvestable organisms. The number of composites was determined according to Sokal and Rohlf (1995) using the coefficient of variation (c.v.) from the DMF's 1995 lobster sampling program in Area III (mean = 1.3 ppm, standard deviation = 0.28, c.v. = 22%). The significance level used was 5% and the probability that the significance will be found if it exists was set at 90%. Based on the known levels of PCBs in NBH seafood, there is a high likelihood of detecting PCB concentrations that are 50% different between each closure area.

In addition to comparing the results of this monitoring to past and future seafood monitoring results, the results of this seafood monitoring program will be compared to the current U.S. Food and Drug Administration's (FDA's) criteria for PCBs in commercial seafood of 2 parts per million (ppm). It was exceedances of the FDA criteria in NBH seafood, which prompted promulgation of the state's seafood closure areas in 1979 (the FDA criteria at that time was 5 ppm). In addition to comparisons to the current FDA level, and as explained in the 1998 ROD, EPA will compare the results of the seafood monitoring program to a site-specific threshold of 0.02 ppm PCBs. This 0.02 ppm PCB level was developed to ensure the protection of local residents and sport fishermen whose seafood consumption might include seafood caught mostly if not entirely from NBH.

3. 2007 Field Collection

The DMF field sampling program included the collection of lobster and blue crabs using pots occurred from May to June of 2007 (see Figures 2 and 3). The Sampling Report for all species collected in 2007 is in Appendix C attached.

The collection of quahog was done pre-spawn in June and July (Figure 4), and post-spawn between August, September, and October (Figure 5). Quahogs were collected using a rake from all three seafood closure areas, except for post-spawn Station E in Area 3 where the quahogs were dredged. Two stations were located in Area 1; six stations were located in Area 2; five stations were located in Area 3.

Alewife were collected using nets in May of 2007 (Figure 6). Eel were collected using pots in June and July of 2007 (Figure 7). Black sea bass was harvested by fish pots in June, August, and September of 2007 (Figure 8). Scup were collected using pots in June to July of 2007 (Figure 9).

Despite considerable effort to collect species according to the monitoring program design, all species were not obtained in all three closure areas as originally planned. In summary, lobsters were found in Areas II and II and only found in Station E for Area I; eels were found in Area 1 and only Station C in Area II; black sea bass and scup were found just in Areas II and III; and no flounder were found.

Complete collection information including the dates fished, identification

information, species, station identification, latitude and longitude, and collection method are included on the Field Collection Forms in Appendix C. All samples were delivered frozen to Alpha Woods Hole Labs (Alpha) in Raynham, MA, for analysis.

4. Analytical Chemistry

The first step in the analytical process for shell fish samples was the compositing of like species (e.g. quahog and lobsters). For quahogs, twelve individual samples from each location were combined to form one composite sample per location. For lobster, three individual samples from each location were used to form composite samples. The tail and claw meat from each of the three animals were combined to form a tail and claw meat composite sample for the location, and the tomalley from each of the three animals was combined to form a separate tomalley composite sample for the location. The tail/claw meat composites were analyzed separately from the tomalley composites in order to quantify the PCB levels in the respective tissue types. A combined PCB level for the tail and claw meat combined with the tomalley was then calculated as follows:

$$\frac{[(\text{tail/claw PCB conc.} \times \text{tail/claw weight}) + (\text{tomalley PCB conc.} \times \text{tomalley weight})]}{(\text{tail/claw weight} + \text{tomalley weight})}$$

The seafood samples were analyzed for five PCB Aroclors and 136 PCB congeners by GC/MS-SIM (gas chromatography/mass spectrometry-selective ion monitoring) based on EPA Methods 680 and 8270C. Both the Aroclor and the congener approach were used to allow comparisons with previous site data of both types. The five Aroclors measured were Aroclors 1232, 1242, 1248, 1254 and 1260. The 136 congeners measured included the eighteen NOAA (National Oceanic and Atmospheric Administration) list congeners and the twelve WHO ‘98 (1998 World Health Organization) list of dioxin-like congeners. Two congeners, BZ #105 and #118, appear on both lists. The NOAA congener list was used by the MA DMF in its analysis of Area III lobsters from 1988 - 1998, while Aroclors had been used previous to this. The NOAA list typically represents approximately 45% of the total PCB in marine tissue (NOAA, 1993).

The congeners quantitated in this effort are listed in the New Bedford Harbor Superfund Site Quality Assurance Project Plan **(**MassDEP, 2007a**).** The WHO ‘98 congeners were included to enable the evaluation of risks to human health due to the presence of any dioxin-like PCB congeners, if deemed necessary.

Tissue from the collected specimens were filleted, sub-sampled and/or composited as necessary for sample homogenization, extraction and analysis. For each group, approximately five grams of wet sample tissue was homogenized using a tissumizer. Samples were then extracted using EPA method 3570 Microscale Solvent Extraction (MSE) techniques (spin extraction with acetone/methylene chloride in a sealed vessel).

The extract was then cleaned up to remove the lipid portion and separate the PCB analytes from the lipid. Following sample cleanup, extracts were dried and concentrated

using either the Kuderna-Danish (K-D) or TurboVap method, brought up to final volume and analyzed. Extract cleanup was performed using Gel Permeation Chromatography (GPC) and Sulfuric Acid Cleanup. Silica Gel Cleanup was also employed as appropriate, based on the sample extracts.

Sample analysis using GC/MS-SIM allowed identification and quantitation of both congeners and Aroclors using selected PCB congeners from BZ1 to BZ209. The identification of the specific congeners was accomplished by comparing their mass spectra with the electron impact spectra of the calibration standards. Congener concentrations were determined using mean relative response factors from a multi-level calibration curve. Response factors for congeners were determined relative to internal standard technique. Aroclor identification was performed using pattern recognition from the GC/MS-SIM chromatogram and comparing responses of five discrete peaks unique to each Aroclor as shown in Appendix D. Aroclor concentrations were determined by calculating the concentration of each corresponding peak in the sample chromatogram and the five resulting concentrations are averaged to provide a final result for the sample. A multi-point curve was used for the individual congeners to demonstrate the linear range of the instrument. Continuing calibrations assured linearity remained for the duration of the analysis. A single point calibration was used for the Aroclors utilizing the congener calibration. Laboratory SOPs are available in the Quality Assurance Project Plan Revision 3 (MassDEP, 2005) and show further details on chromatographic conditions, quality control criteria, and other elements of the analysis. While lipid content was reported, the wet weight PCB concentrations reported herein are not lipid normalized.

The data validation summary for the laboratory analysis is presented in Appendix B.

5. Results and Discussion

PCBs are a group of similar organic molecules featuring a “figure-eight” structure of two bonded benzene rings with chlorine atoms attached at up to ten different attachment sites. Theoretically, up to 209 different PCB congeners (or molecular variations) are possible, yet only about 120 of these are found in the natural environment. Furthermore, NOAA has demonstrated that 18 specific congeners are the most pervasive and generally make up almost half of the PCB mass in marine tissues. In addition, WHO considers 12 specific dioxin-like congeners to present the greatest risk to human health. As noted above in section 4, two congeners, BZ #105 and BZ #118, are included in both the NOAA and the WHO congener sets.

Throughout their industrial use in the U.S., PCBs were sold under the Aroclor trade name. Aroclors are a mixture of congeners, and different Aroclor types consisting of different congeners and chlorine levels were manufactured (e.g., Aroclor 1242 had 42% chlorine, and Aroclor 1260 had 60% chlorine). For this monitoring effort, both Aroclors and congeners (136 including the 28 congeners of the combined NOAA and WHO subsets) were measured to assist in the comparison with previous site data, as well as to further understand the similarities and differences of these two analytical approaches.

As with previous studies of sediments, water column, seafood, and air at the NBH Site, the current data set demonstrates a generally decreasing trend (north to south) of PCB levels in locally caught seafood. In other words, tissue PCB levels decrease proportionally with the distance from the primary source of PCBs to the upper harbor (the Aerovox facility). This trend is also noticeable in the individual (as opposed to area-averaged) results from Area I: the tissue samples taken closest to the main PCB source (the Aerovox factory) are the highest in PCBs (e.g., quahog site E1, eel site D1, and blue crab site A1). It should be noted, however, that the current data for scup and black sea bass show similar average PCB levels (congeners) in both Areas II and III (0.21 ppm vs. 0.22 ppm for scup, and 0.13 ppm vs. 0.16 ppm for black sea bass). Figures 10 through 17 graphically summarize the current data, and Tables 1 through 8 tabulate the totals and averages of the congener and Aroclor sample results.

In the current data for lobster and scup, the PCB results indicate that the Aroclor approach greatly under-estimates the true total PCB concentration. For the lobster (meat) and scup, the congeners were detected but the Aroclors were not. Also, for the lobster tomalley, the Aroclor concentrations were significantly less than the congener concentrations.

For the blue crab data, the Aroclor and congener data were nearly identical for each of the four Area I sample locations. For the black sea bass there was general agreement between the Aroclor and congener data for most of the ten locations (except Area II locations B and D were non-detect for the Aroclors and detected for the congeners).

For Area I and II quahog, there was good correlation between the Aroclor and congener-based approaches for both the pre and post spawn sampling rounds. However, in Area III, three of the ten locations were non-detect for Aroclors, whereas only one of these three (station II-3, pre-spawn, for detected “hits” data) was non-detect using the congener method. As shown in Table 6, there was an average decrease (across all three closure areas) of about 22% (100% - 78%) in PCB congener concentration in quahog after spawning using only the detected values. There was an average 39% reduction (100% - 61%) in the lipid concentration for the quahog after spawning for the three Areas.

For the six eel locations, a species with relatively high PCB levels (i.e., 22 to 152 ppm), the Aroclor data were much higher than the congener data.

Overall, the current data set indicate continued levels of PCBs in NBH area seafood above the 1998 ROD’s site-specific goal of 0.02 ppm, as well as PCB levels above the FDA criteria of 2 ppm in all Area 1 species (except in the one Area I location for lobster meat - but not in the tomalley). The highest PCB level reported for this data set was 152 ppm (Aroclor basis) in Area 1 eel (congener value was 102 ppm, station 1-D, see Table 7).

It should be noted that these PCB levels do not apply to seafood caught by the Harbor’s commercial fishing fleet, as this seafood is caught significantly further offshore than the three PCB closure areas at the New Bedford Harbor Superfund Site. However, these

results do indicate the need to continue the outreach program to inform and educate the local communities and recreational sport fishermen about the fishing bans. The current data also highlights the limitations of using the Aroclor analytical approach for monitoring locally harvested seafood.

Finally, in comparison to historic PCB monitoring of NBH area lobster dating to the mid 1980s, the current data set shows significantly decreased levels over time. This historic lobster PCB data can be found in the 2002 seafood monitoring report for the site ("Contaminated Monitoring Report for Seafood Harvested in 2002 from the New Bedford Harbor Superfund Site," available at www.epa.gov/ne/nbh under "Technical Documents"). Also, because this seafood sampling program has been on going since 2002, the previous years reports can be found at the EPA's web site.

6. References

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FIGURES

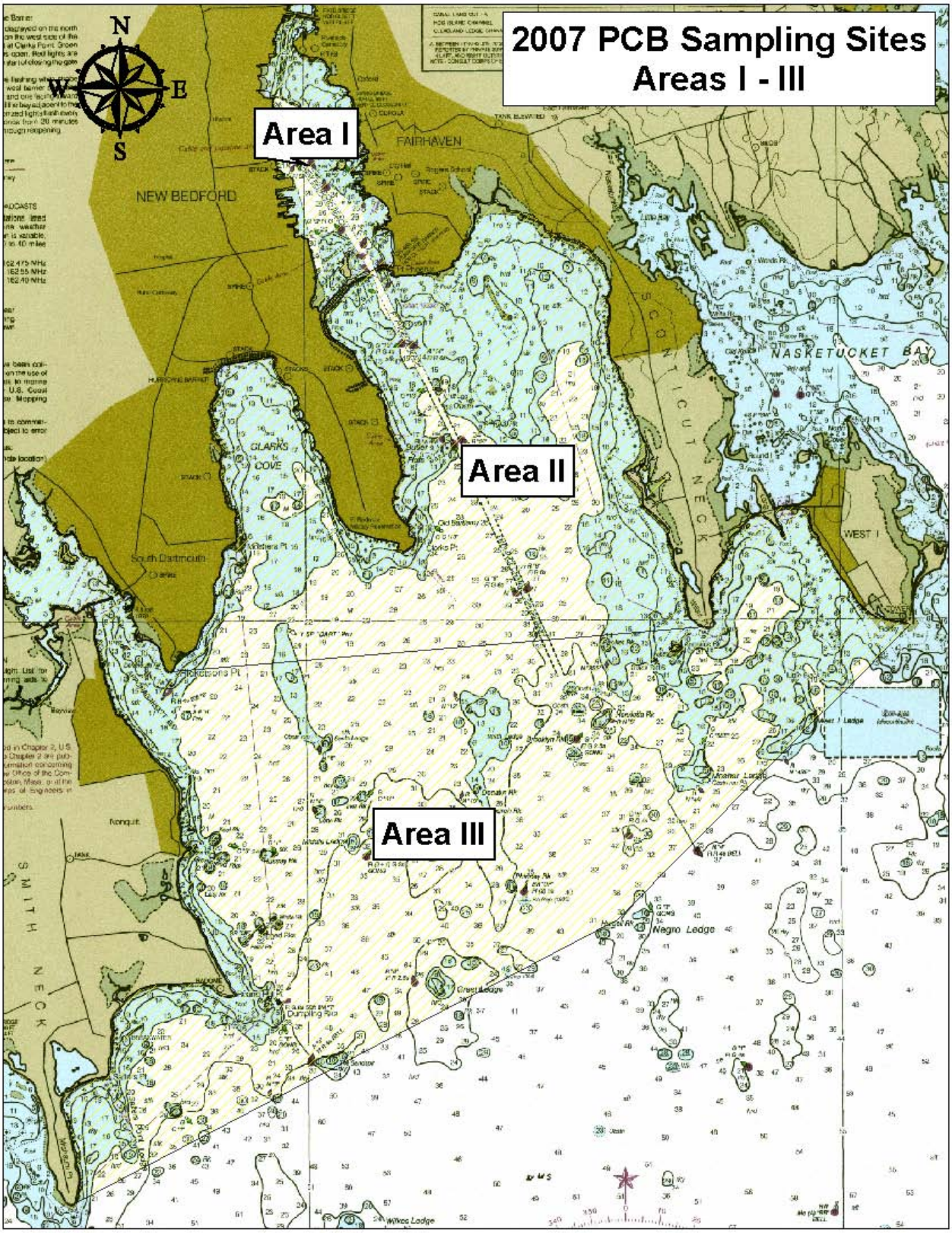


Figure 1 Fish Closure Areas I to III

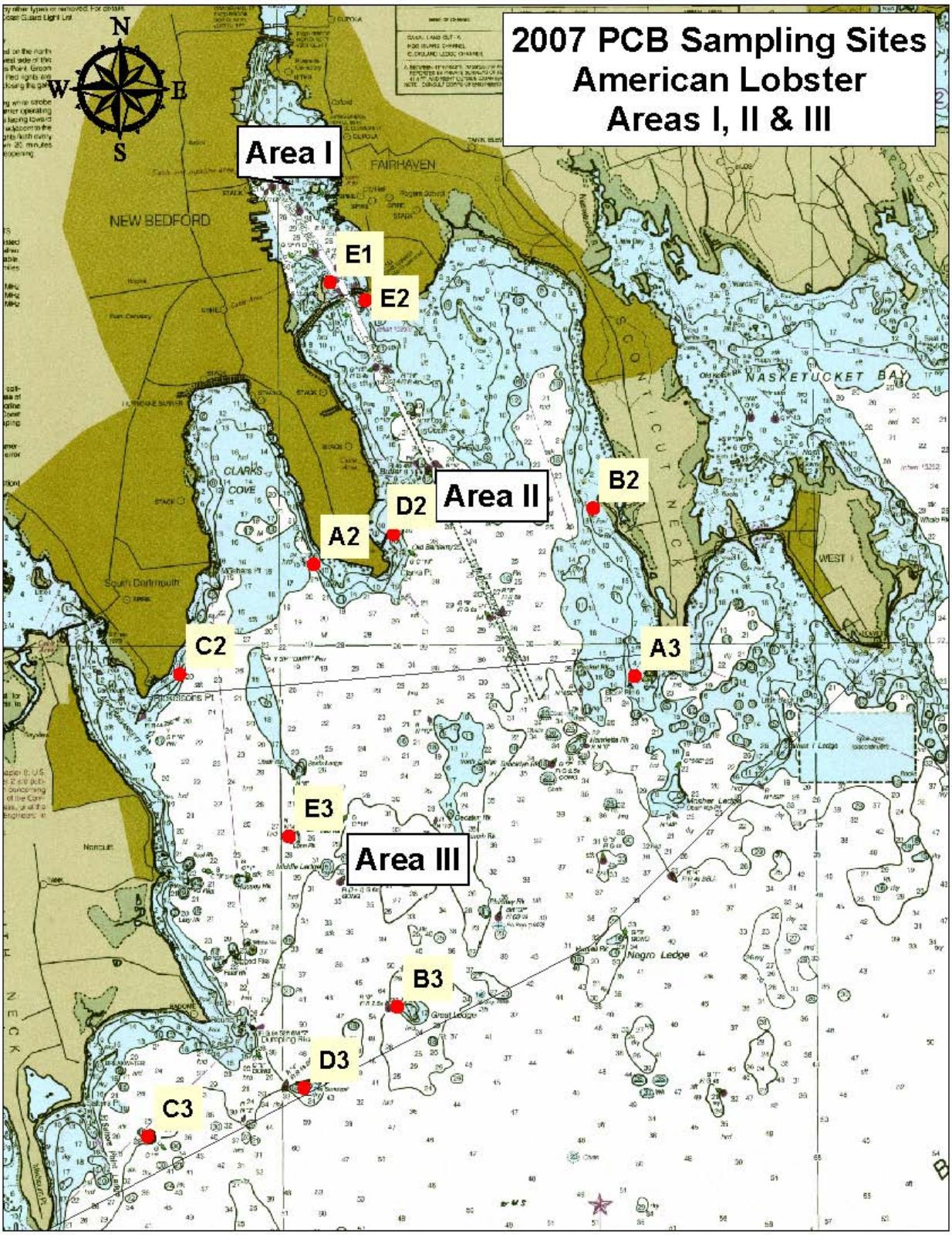


Figure 2 American Lobster Sample Locations -Area I, II, & III

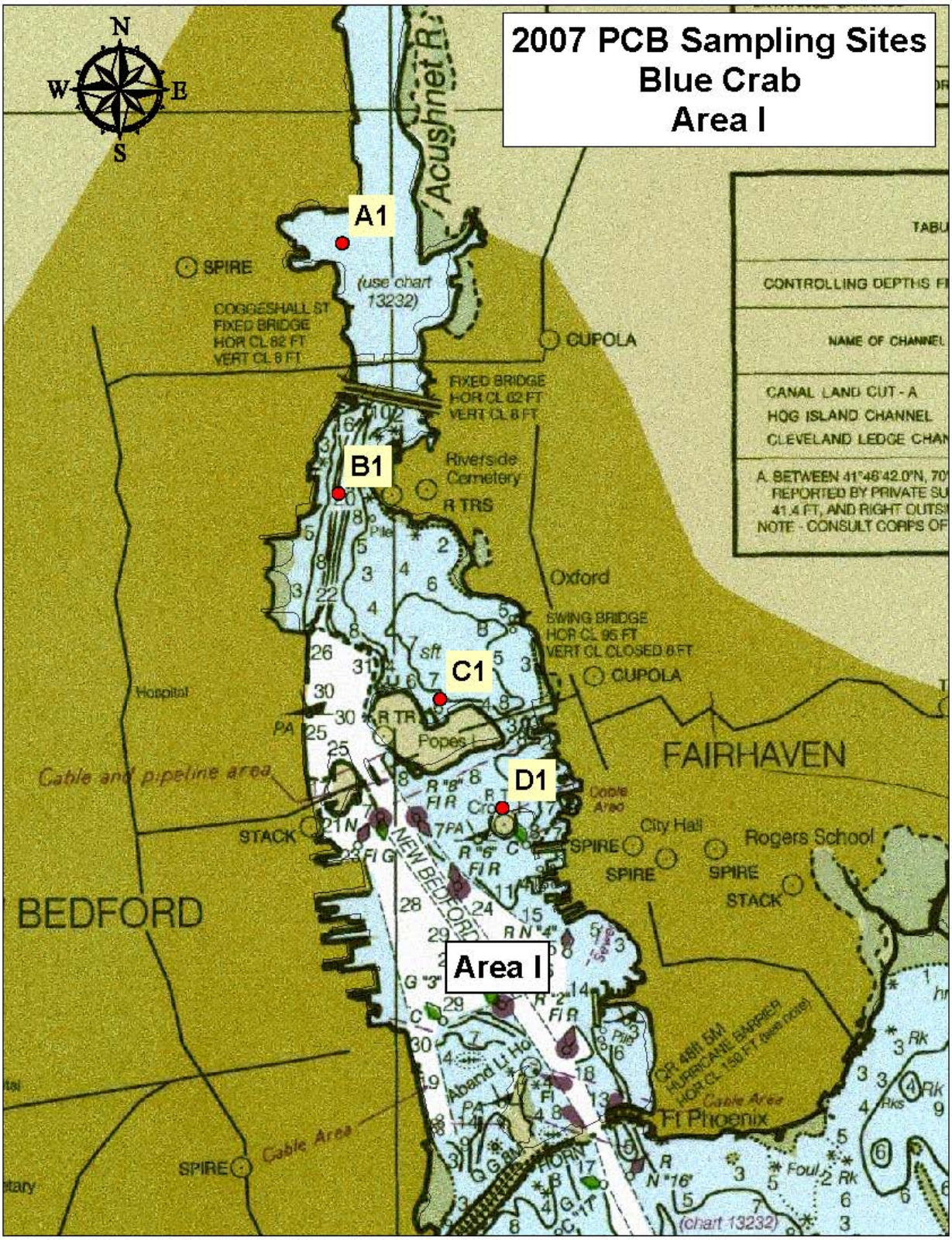


Figure 3 Blue Crab Sample Locations - Area I

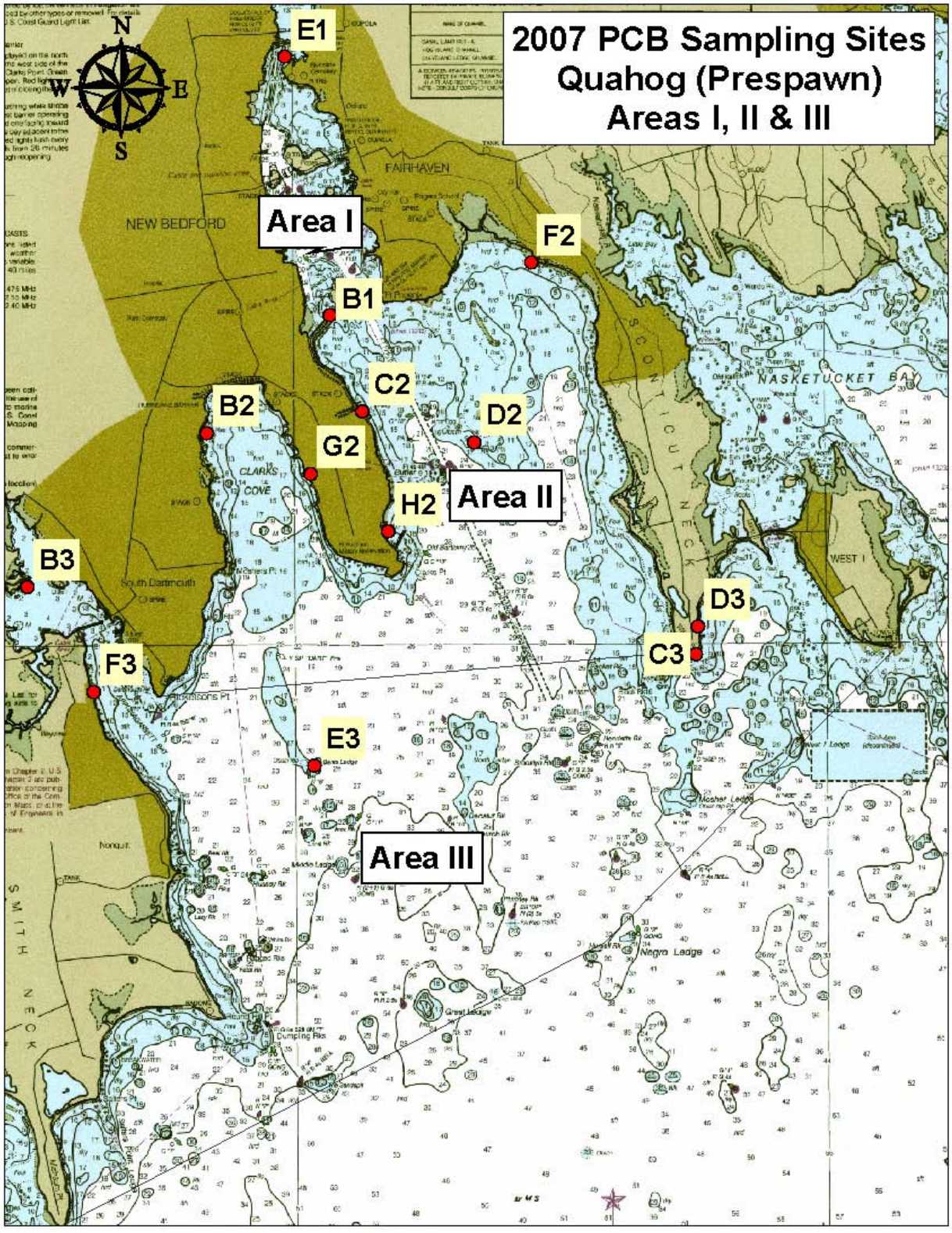


Figure 4 Quahog (Pre-Spawn) Sample Locations - Area I, II, & III

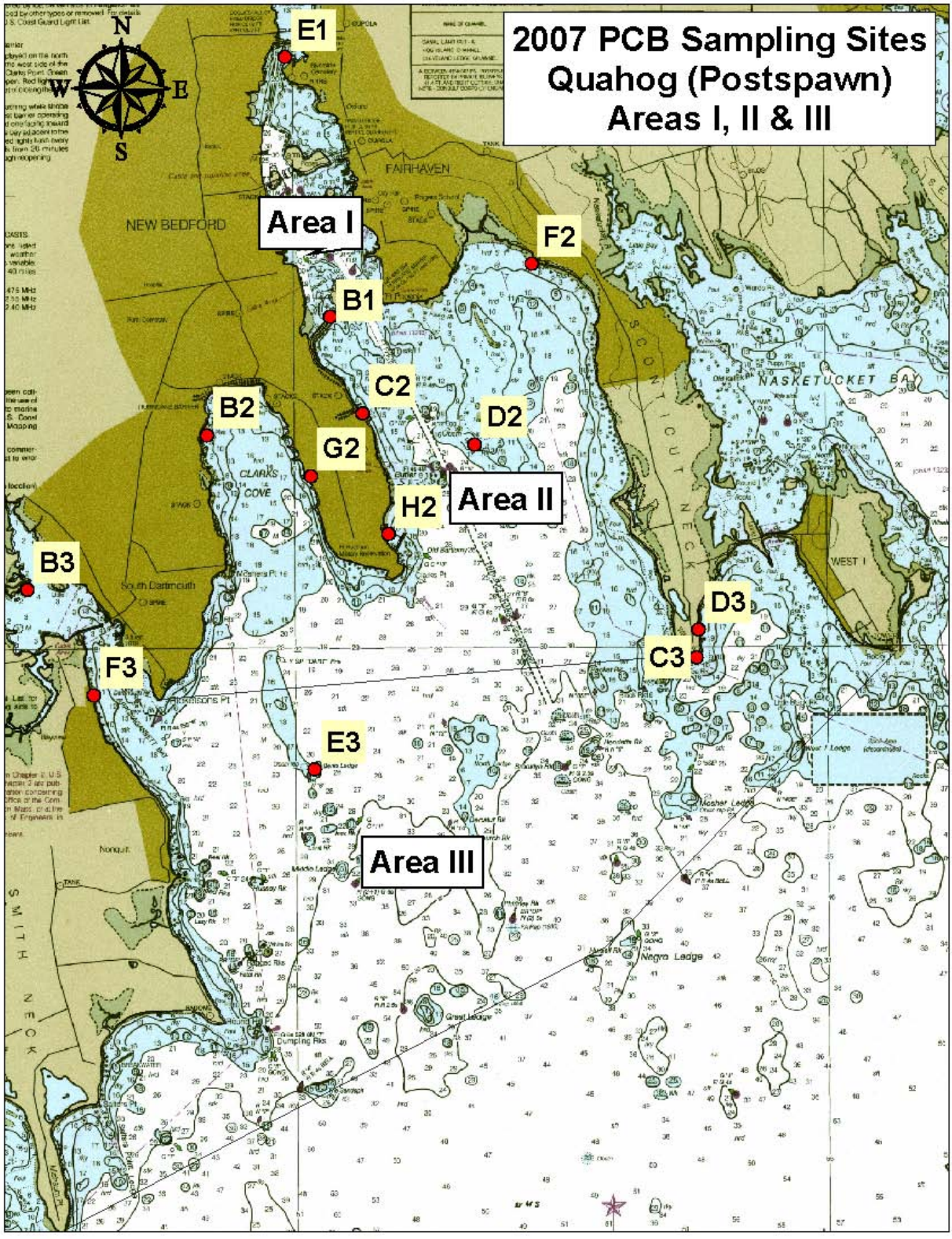


Figure 5 Quahog (Post-Spawn) Sample Locations - Area I, II, & III

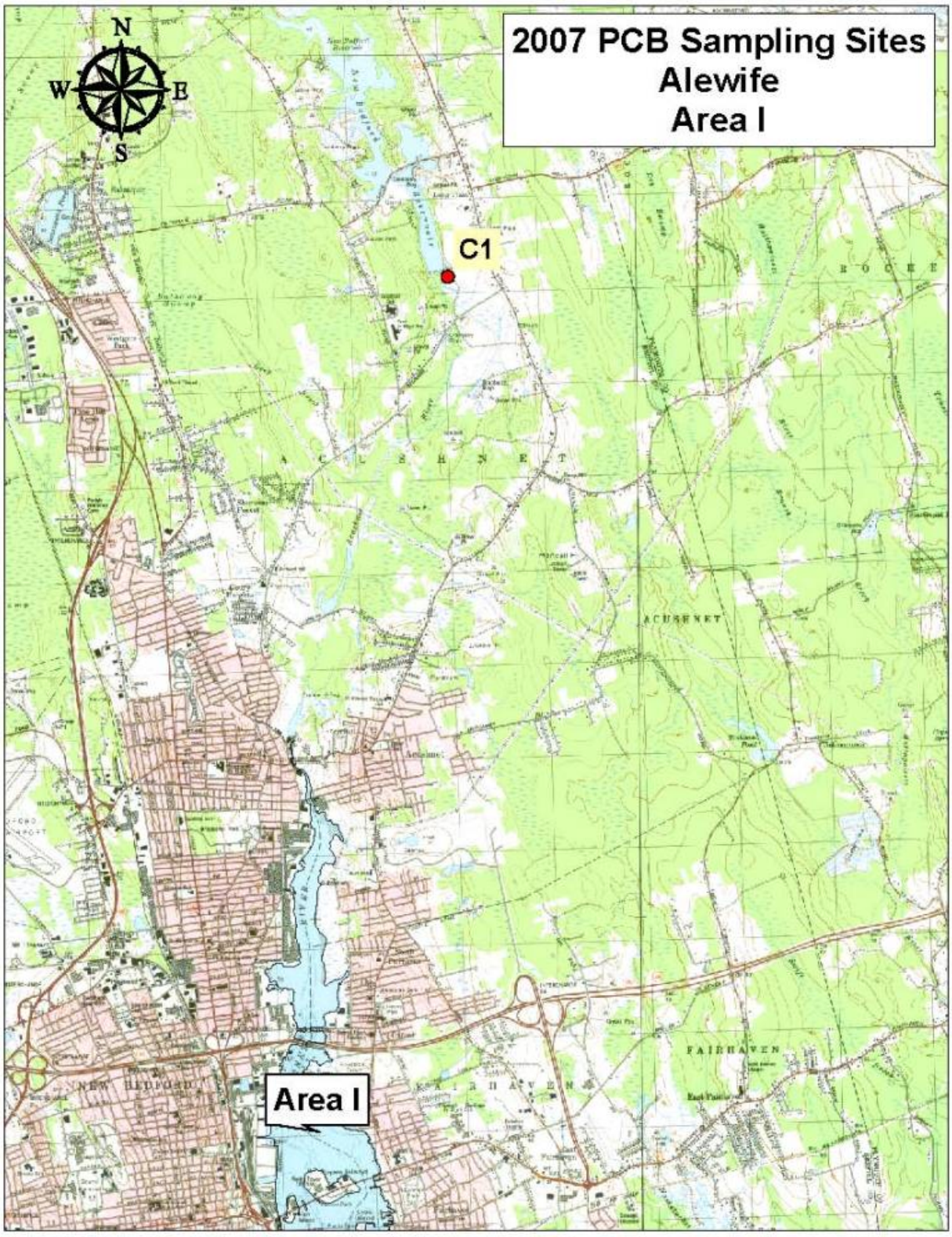


Figure 6 Alewife Sample Locations - Area I

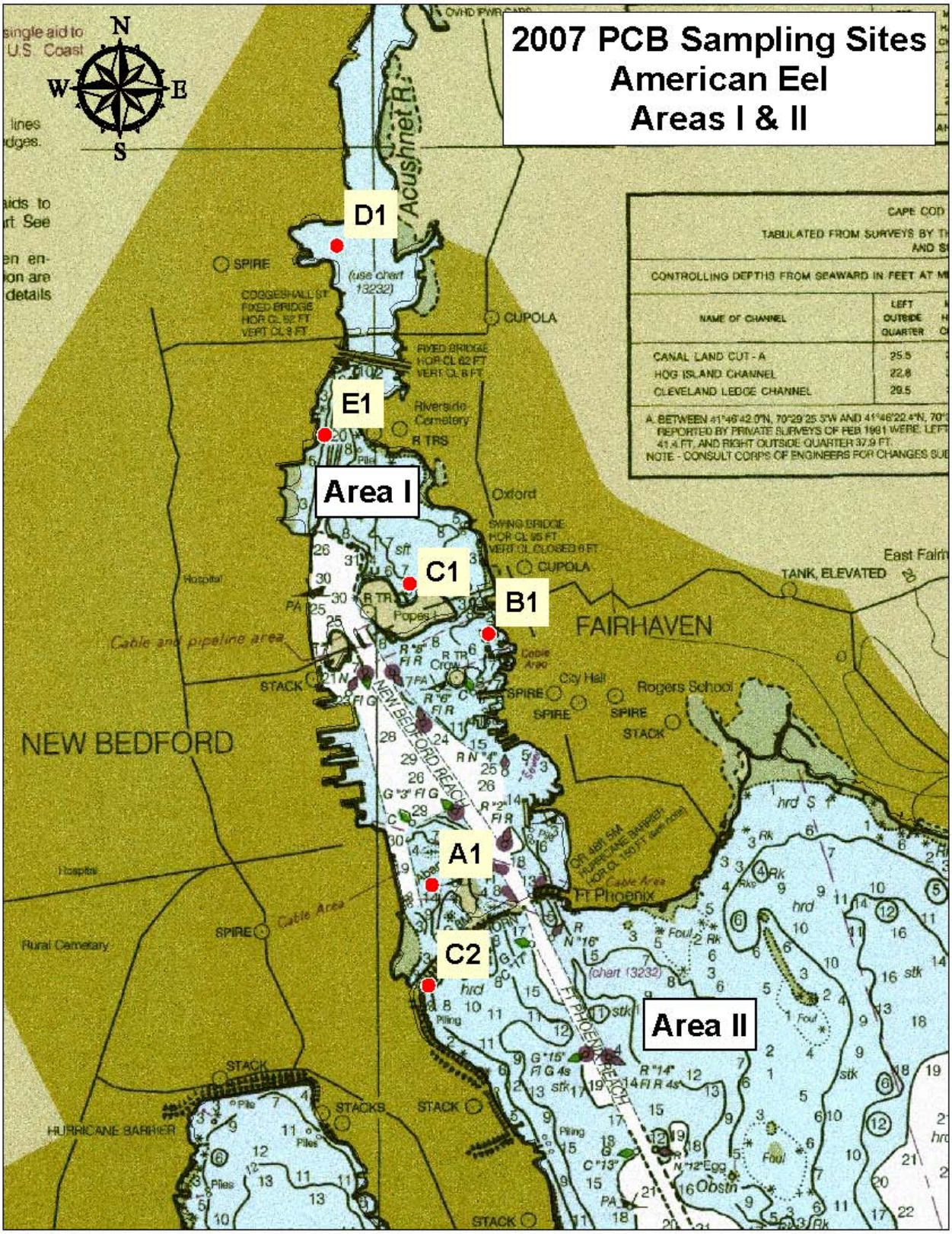


Figure 7 American Eel Sample Locations -Area I & II

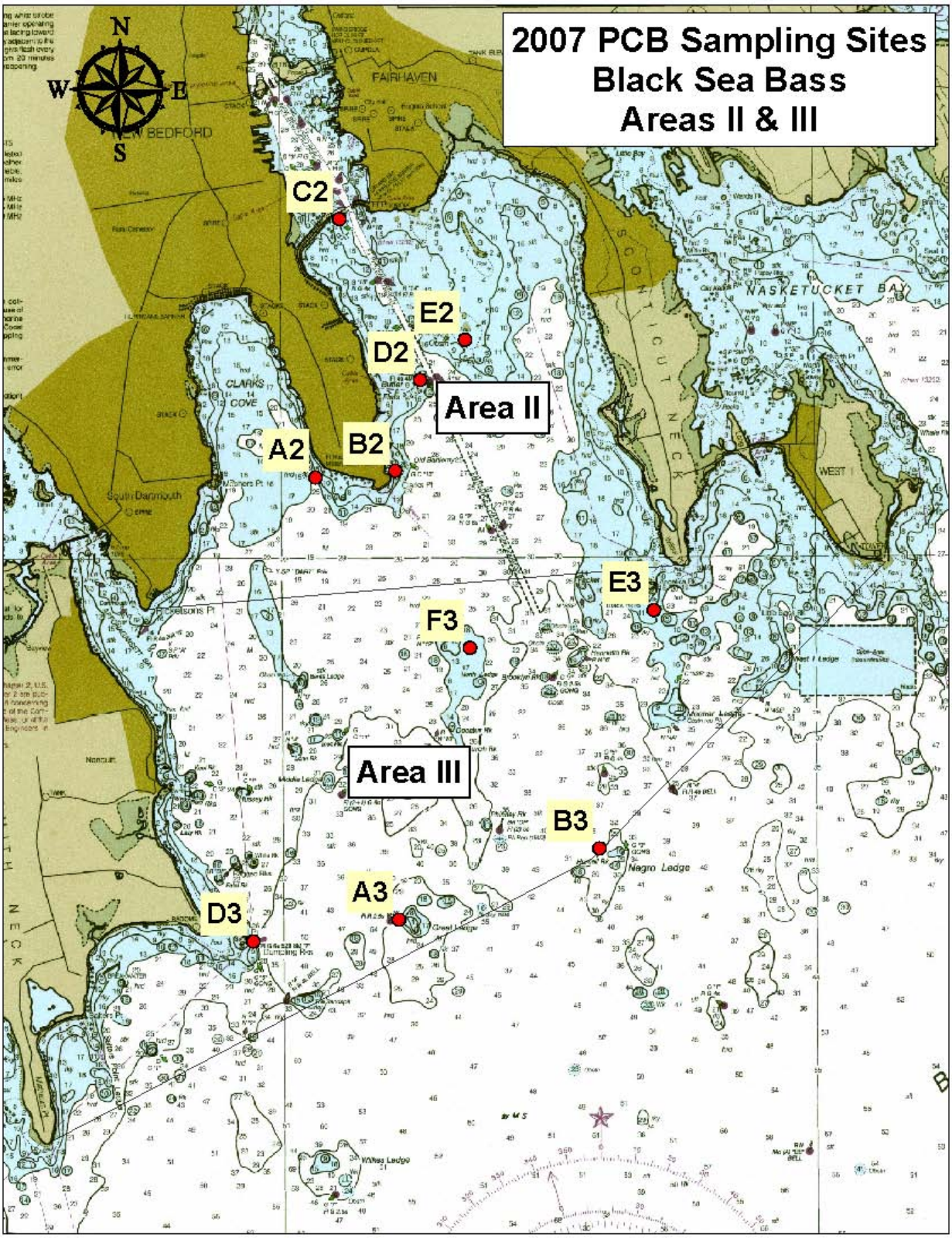


Figure 8 Sea Bass Sample Locations - Area II & III

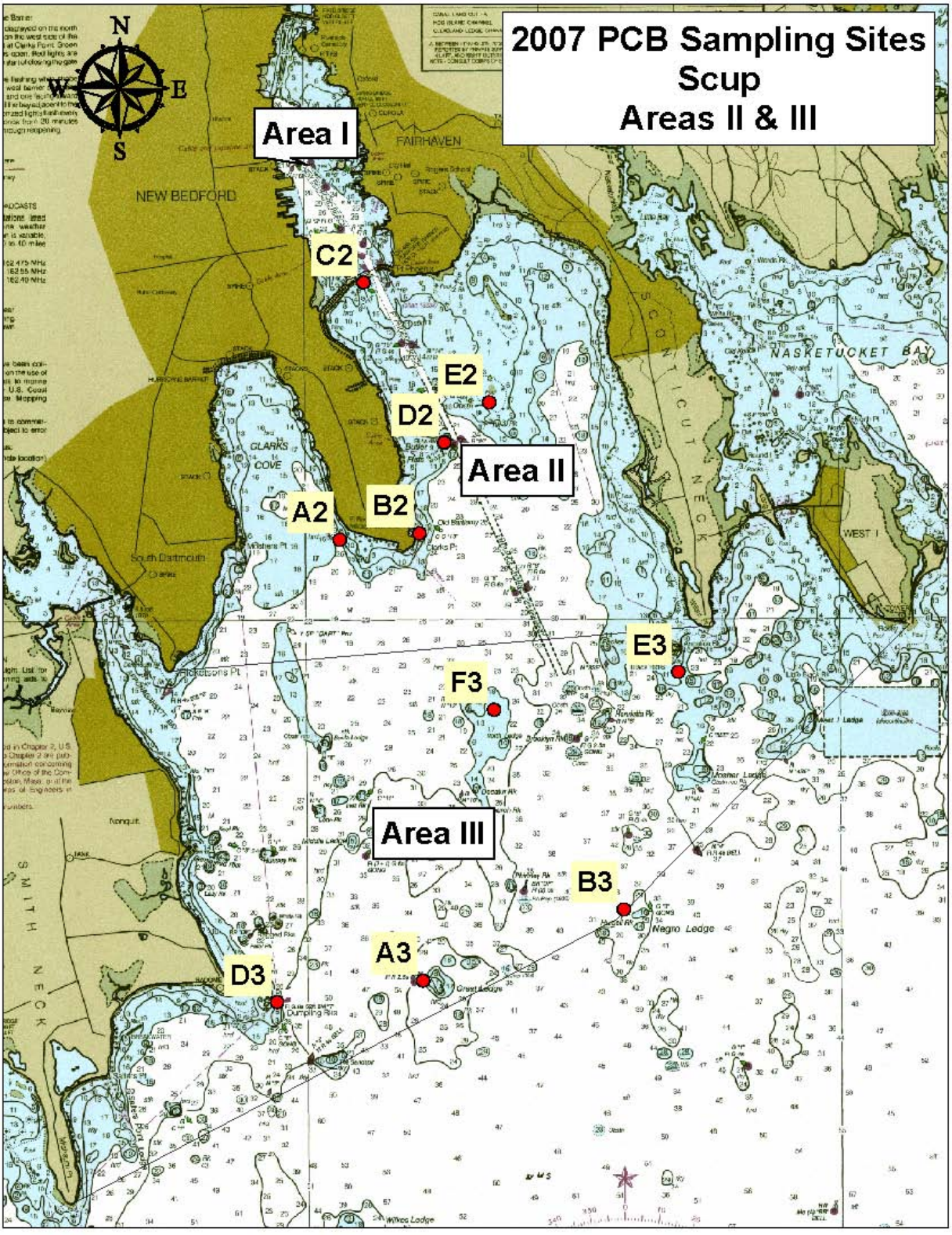
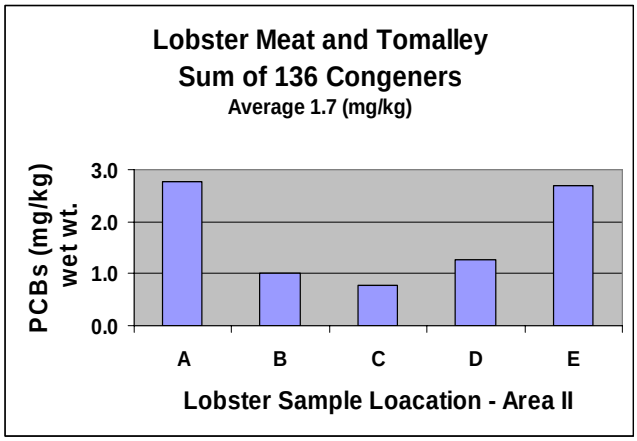
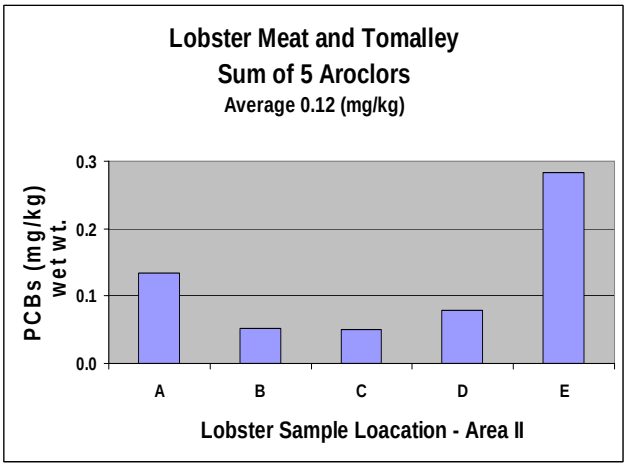
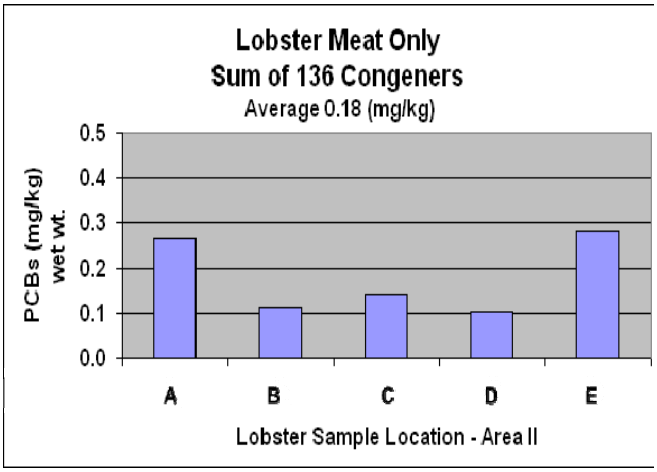
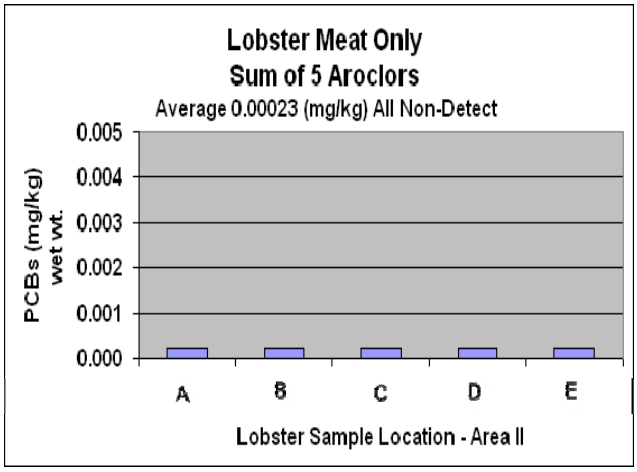


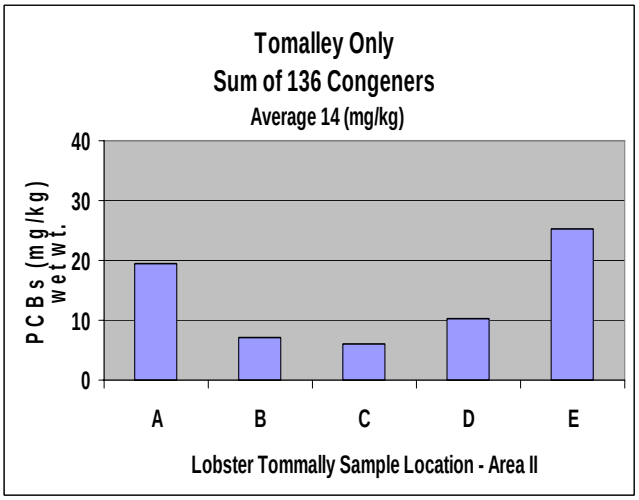
Figure 9 Scup Sample Locations - Area II & III











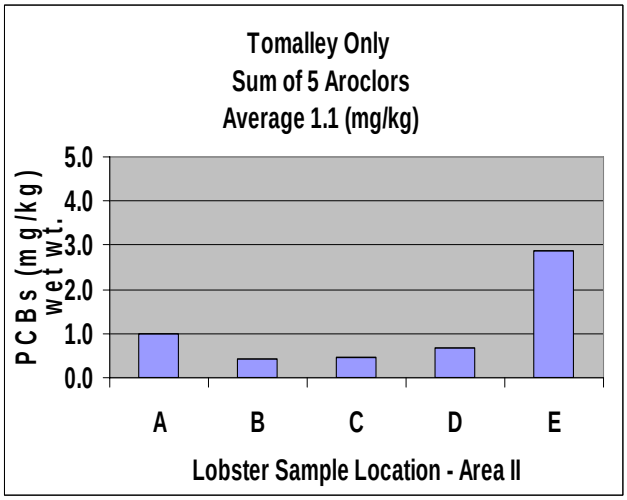


Figure 10 PCBs Concentrations in Lobster - Area II 2007

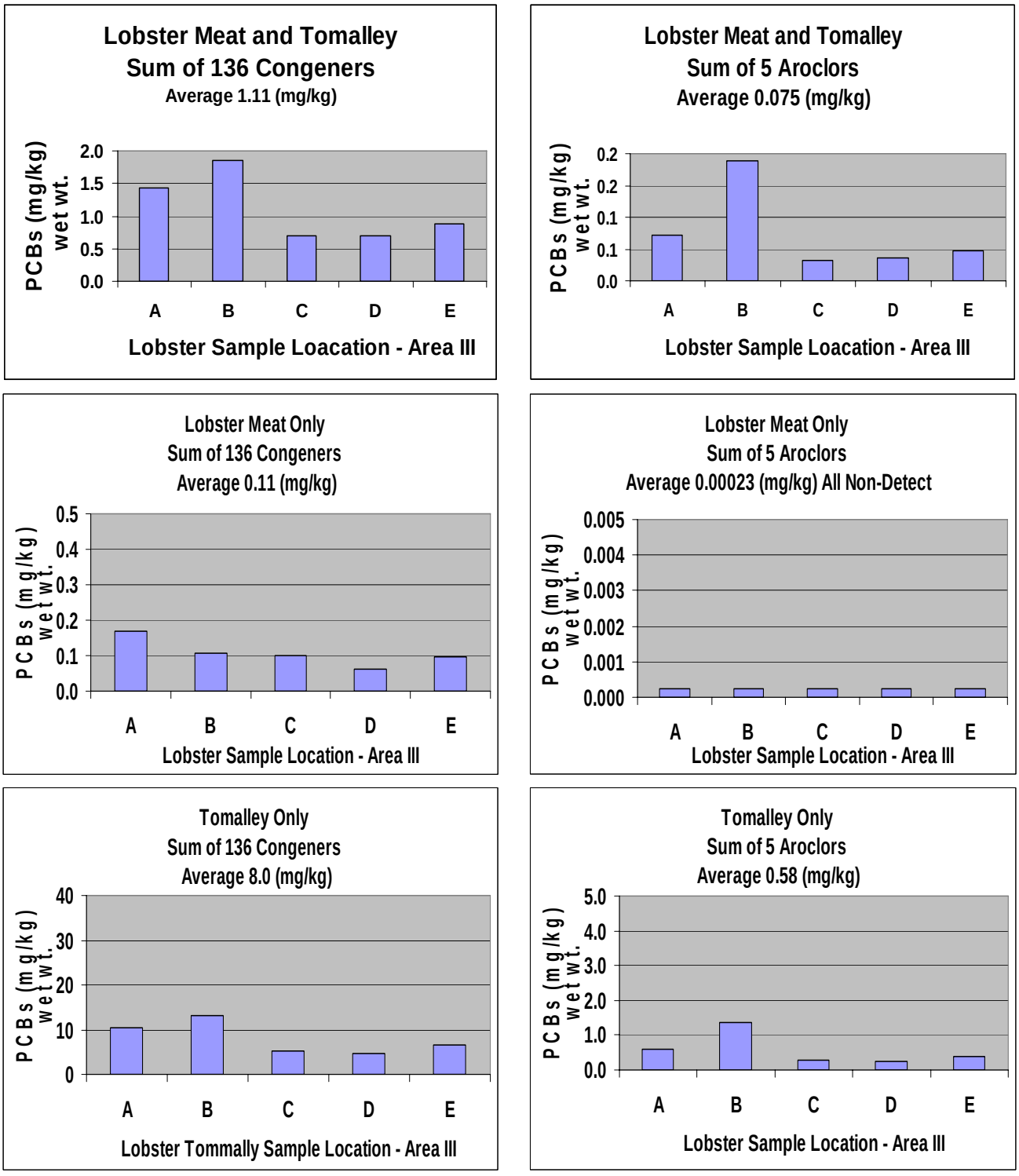
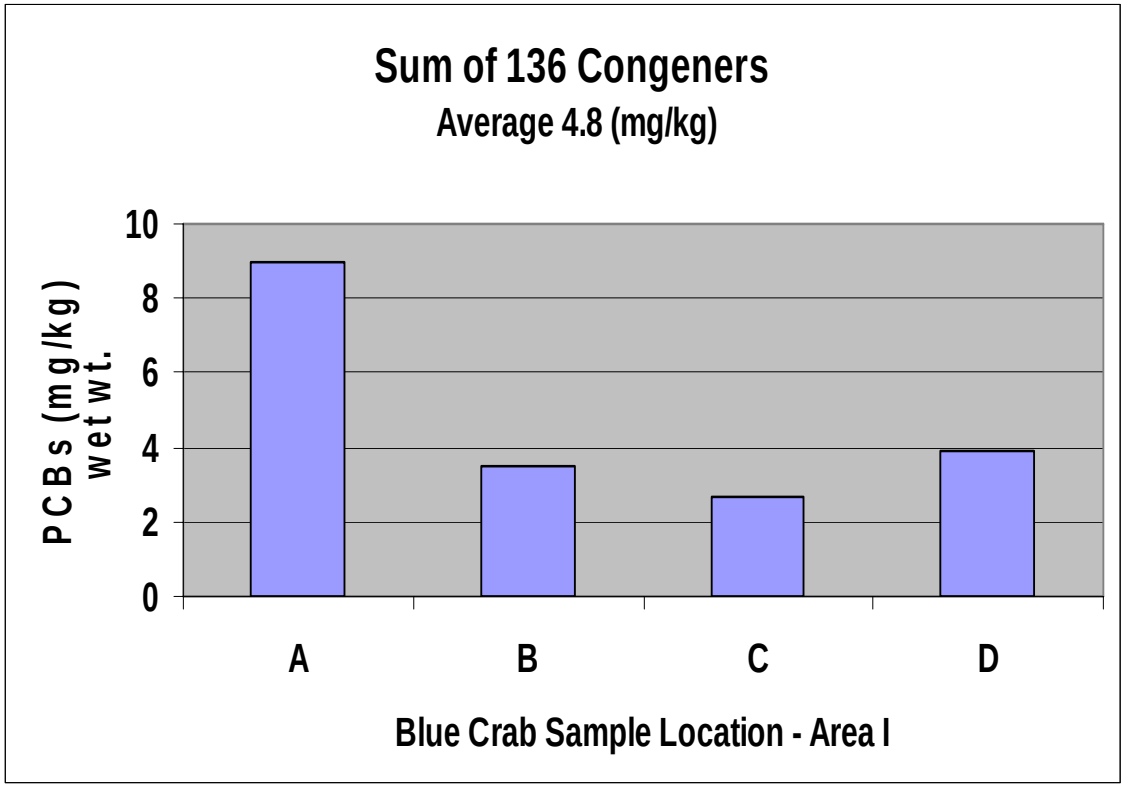


Figure 11 PCBs Concentrations in Lobster - Area III 2007



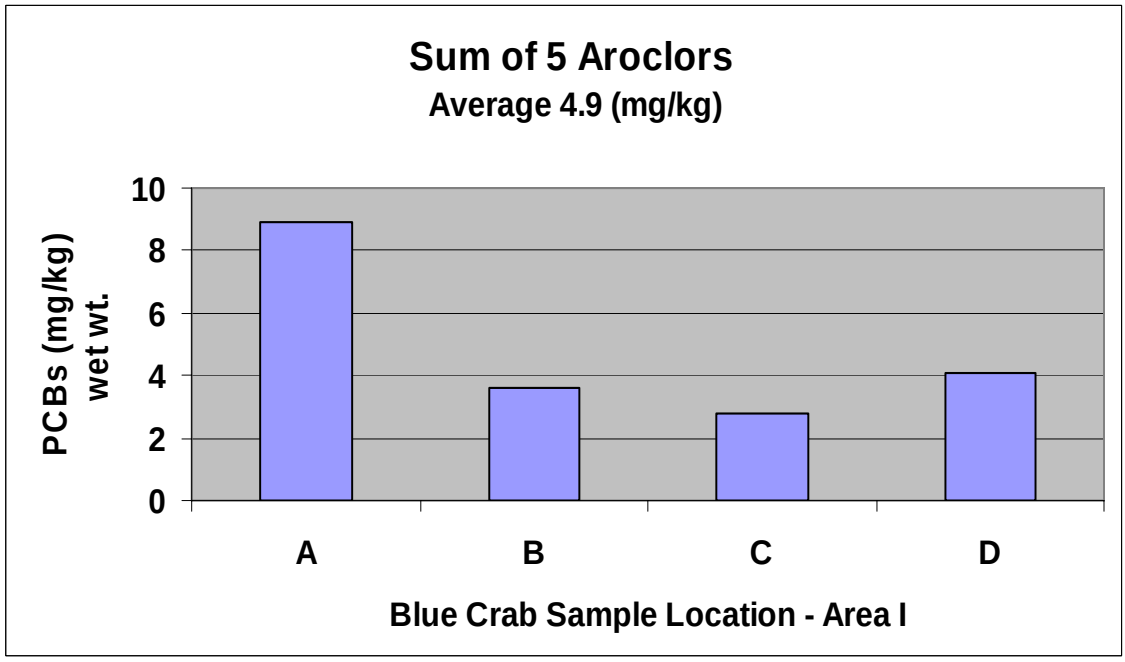


Figure 12 PCBs Concentrations in Blue Crab Area I 2007

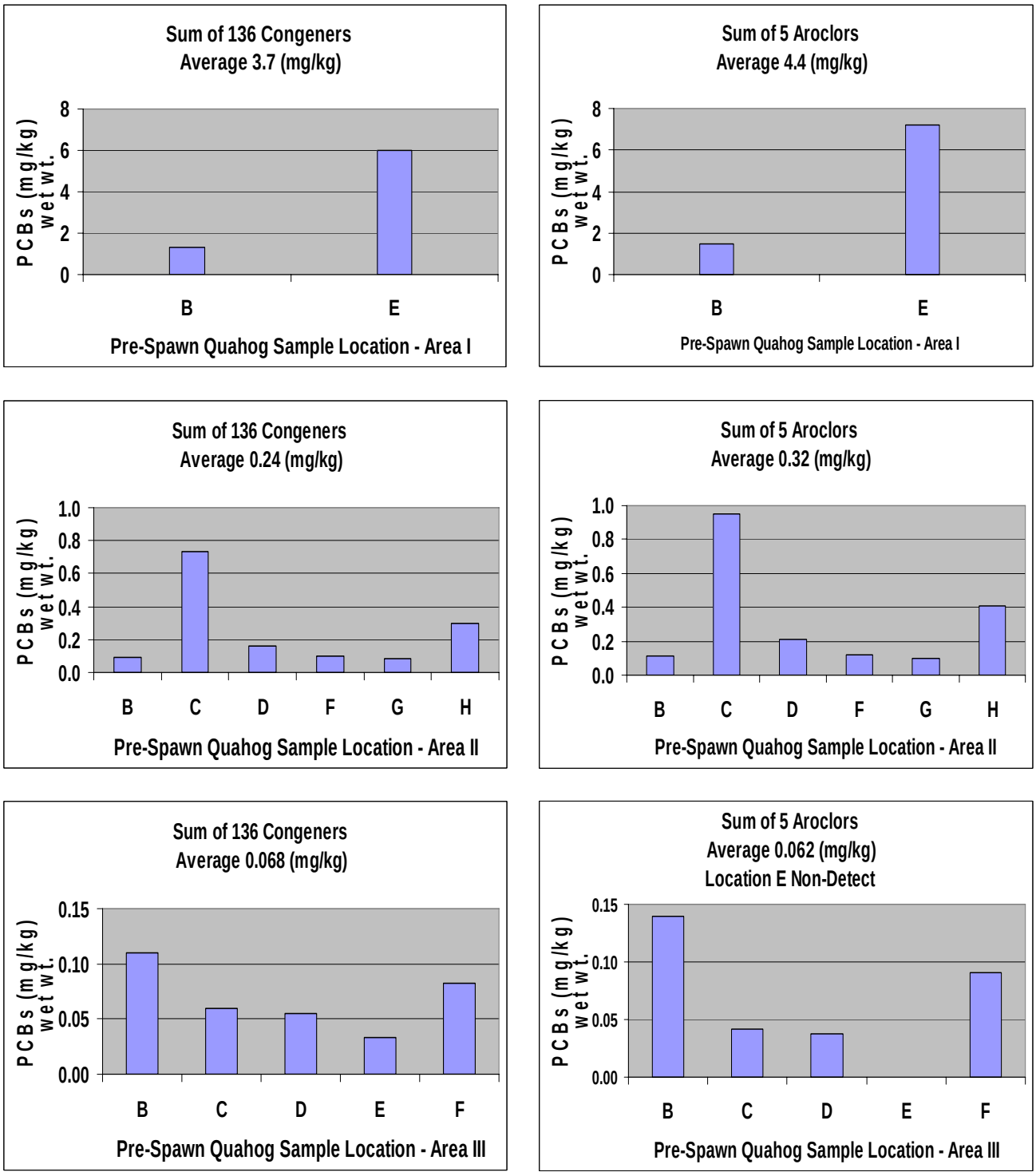


Figure 13 PCBs Concentrations in Pre-Spawn Quahog 2007

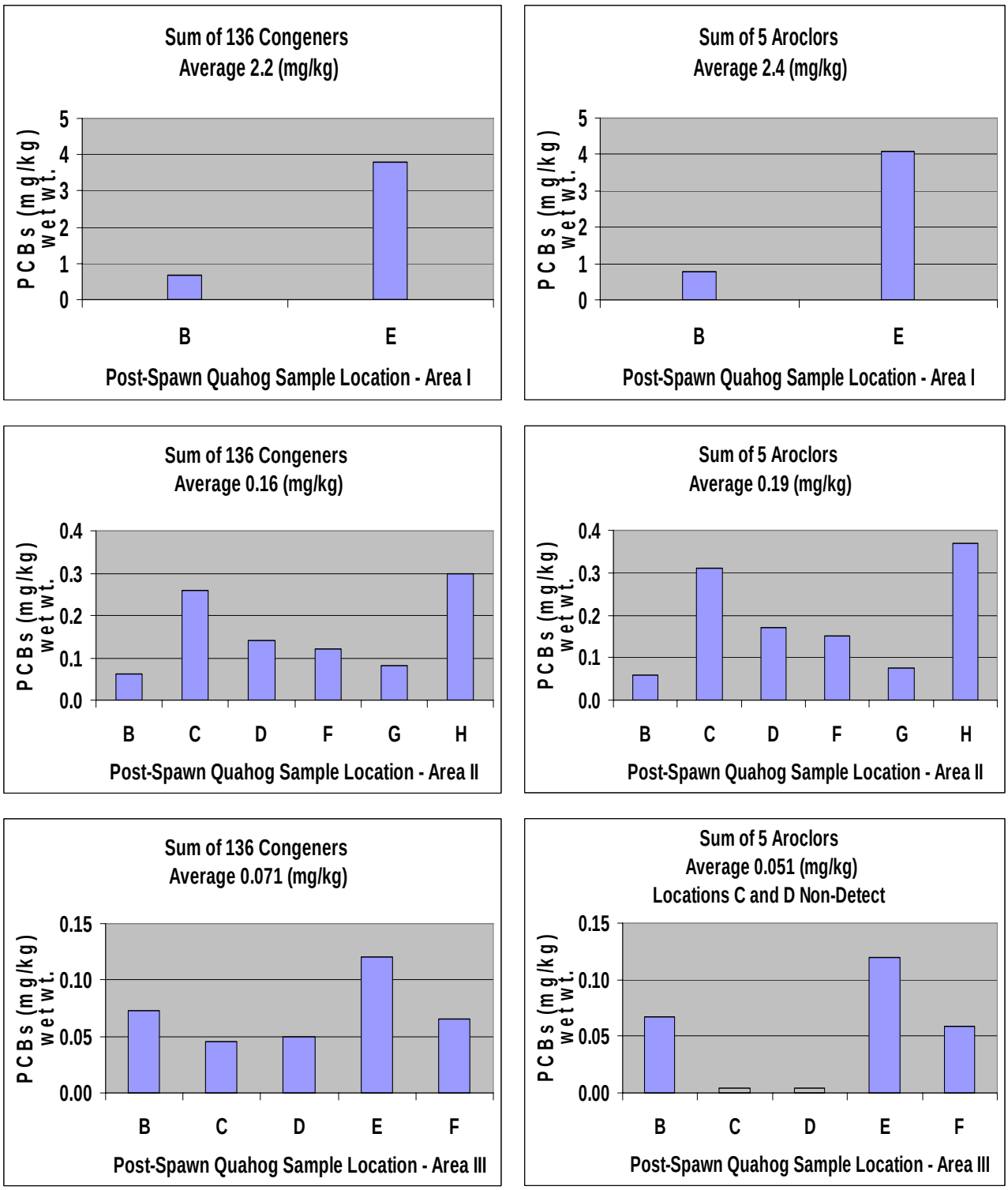


Figure 14 PCBs Concentrations in Post-Spawn Quahog 2007

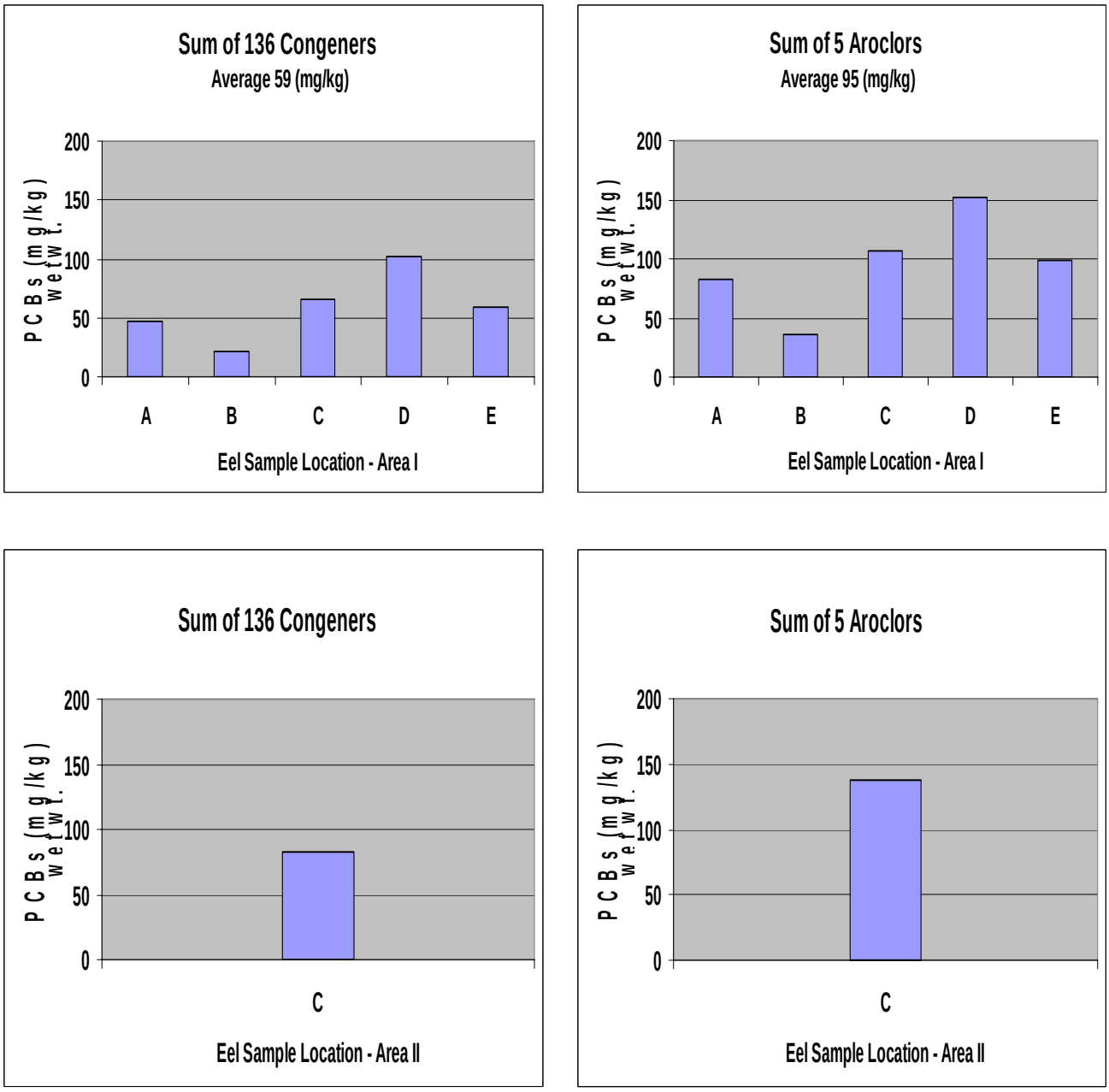
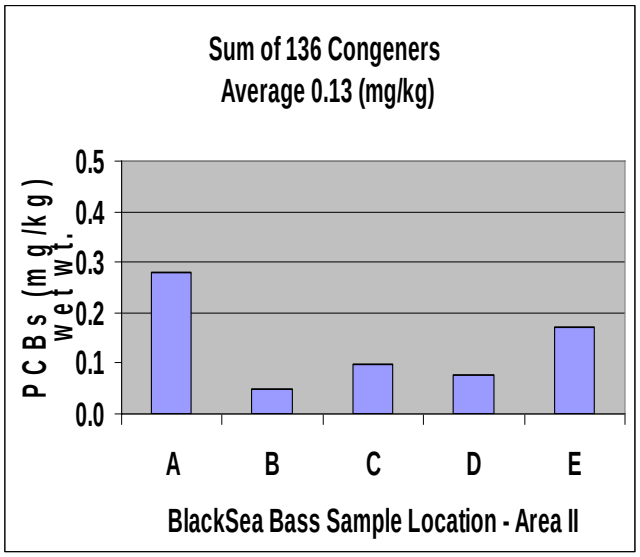
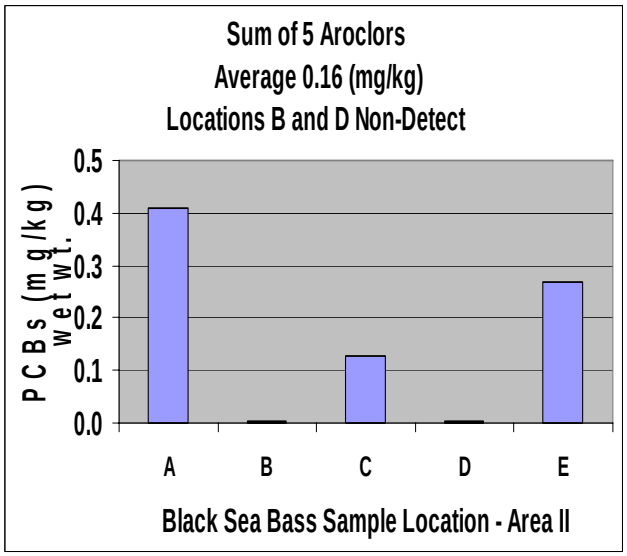
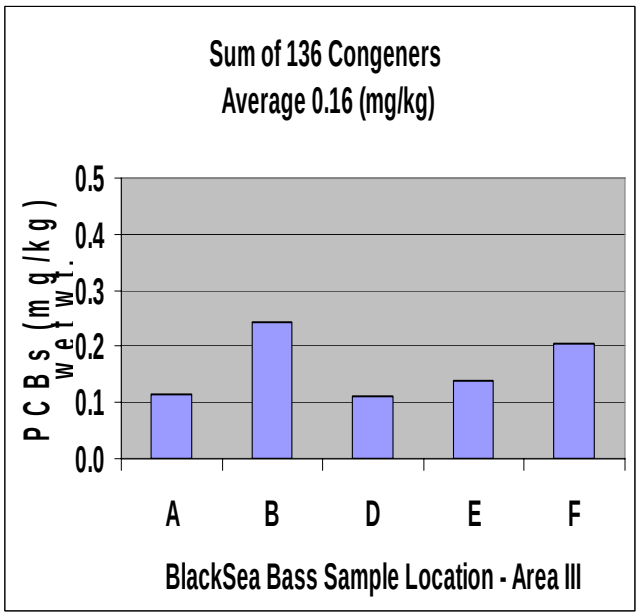


Figure 15 PCBs Concentrations in Eel 2007







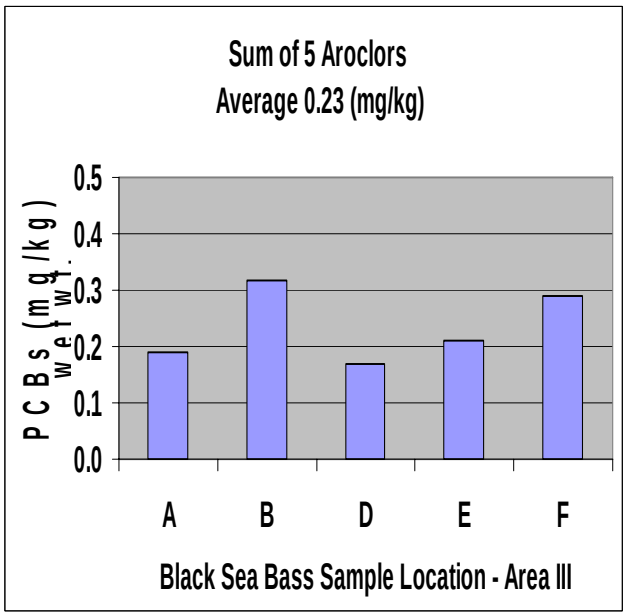


Figure 16 PCBs Concentrations in Black Sea Bass 2007

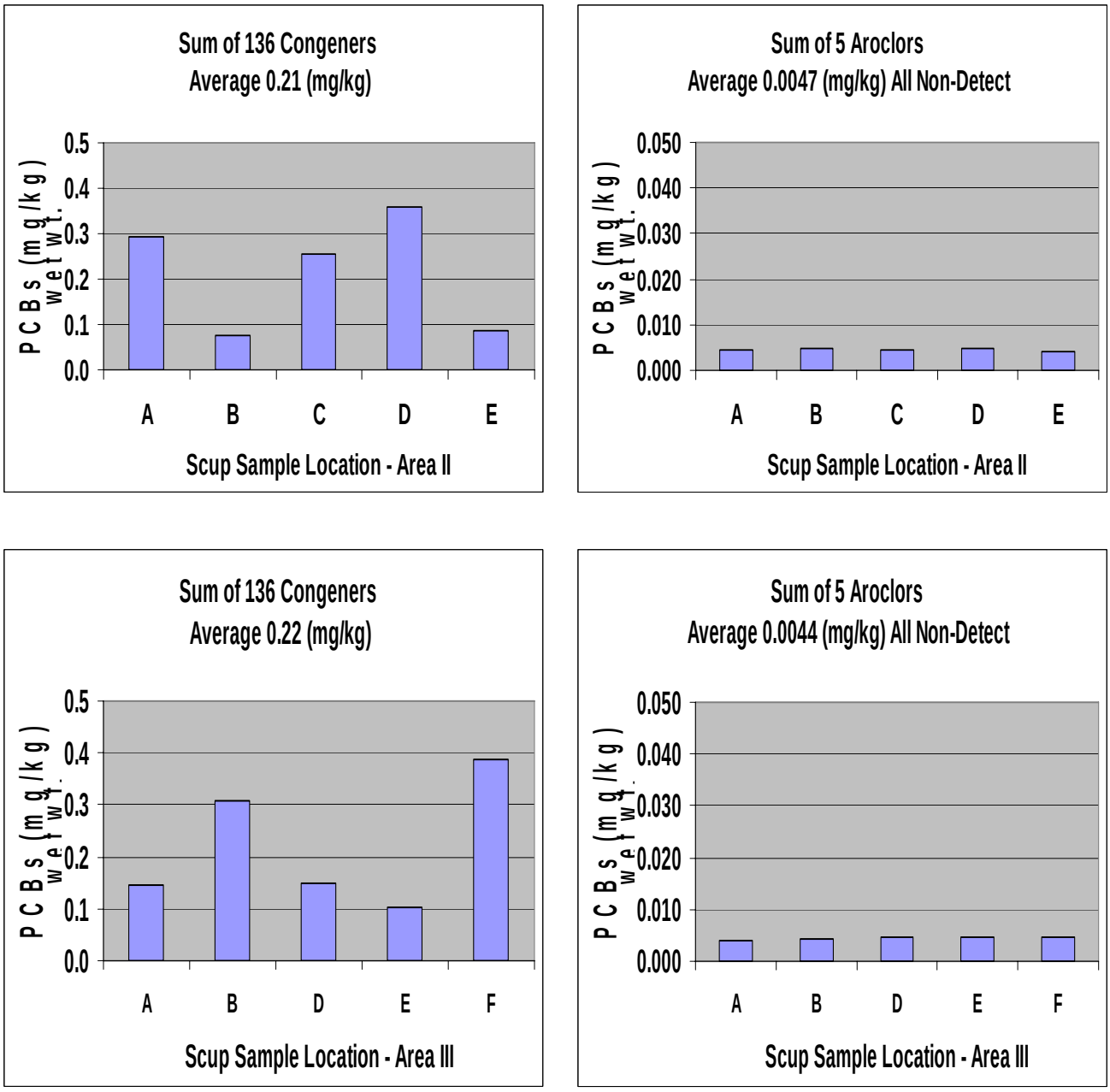


Figure 17 PCBs Concentrations in Scup 2007

TABLES

Notes and Footnotes for Tables:
[1] = summation of 136 PCB congener results (1/2 Sample Quantitation Limit [SQL] used for non-detected results)

[2] = summation of detected 136 PCB congeners

[3] = summation of 18 NOAA PCB congener results (1/2 SQL used for non-detected results)

[4] = summation of 12 WHO PCB congener results (1/2 SQL used for non-detected results)

[5] = summation of 18 NOAA & 12 WHO PCB congener results (1/2 SQL used for non-detected results); duplicative congeners (BZ# 105, #118, #167/128) subtracted from total for one data set

[6] = summation of 5 Aroclor results (1/2 SQL used for non-detected results); if all Aroclor results are not detected, then total value represets SQL for each individual Aroclor

U = not detected; value represents SQL
J1 = concentration of detected congeners contributes < 50% of total congener result
J2 = concentration of detected congeners contributes 50% to 90% of total congener result
J3 = concentration of detected congeners contributes 90% to 99% of total congener result
J4 = concentration of detected congeners contributes > 99% of total congener result

Results reported in milligrams per kilogram (mg/kg) wet weight, unless otherwise noted.
PCB Congeners and Aroclors analyzed by GC/MS-SIM.

Table 1 Summary of Sample Data for Lobster (mg/kg, wet weight) 2007

	Parameter	Lipids		Total PCB Congeners[1]		Total PCB Congeners Hits[2]		Total NOAA Congeners[3]		Total WHO Congeners[4]		Total NOAA and WHO Combined[5]		Total Aroclors[6]	
	Units	PERCENT		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
Area	Station														
Lobster Meat															
I	Station E	0.99		0.18	J3	0.16		0.11	J3	0.052	J3	0.12	J3	0.00023	U
II	Station A	1.7		0.27	J3	0.25		0.17	J4	0.070	J4	0.18	J3	0.00023	U
II	Station B	0.74		0.11	J2	0.094		0.067	J3	0.026	J3	0.070	J3	0.00023	U
II	Station C	0.59		0.14	J2	0.13		0.088	J3	0.035	J3	0.092	J3	0.00023	U
II	Station D	0.59		0.10	J2	0.085		0.060	J3	0.027	J3	0.063	J3	0.00024	U
II	Station E	0.92		0.28	J3	0.27		0.18	J4	0.070	J3	0.18	J4	0.00024	U
	Average			0.18		0.17		0.11		0.046		0.12		0.00023	U
III	Station A	0.81		0.17	J3	0.15		0.11	J3	0.044	J3	0.11	J3	0.00023	U
III	Station B	0.62		0.11	J2	0.089		0.060	J3	0.026	J3	0.063	J3	0.00023	U
III	Station C	0.78		0.10	J2	0.083		0.058	J3	0.024	J3	0.061	J3	0.00023	U
III	Station D	6.0		0.061	J2	0.038		0.030	J3	0.012	J2	0.032	J3	0.00023	U
III	Station E	0.87		0.096	J2	0.076		0.054	J3	0.023	J3	0.058	J3	0.00023	U
	Average			0.11		0.088		0.062	J3	0.026		0.065		0.00023	U
Tomalley															
I	Station E	55		14	J4	14		9.4	J4	3.7	J4	9.8	J4	0.75	J4
II	Station A	60		19	J4	19		13	J4	5.0	J4	14	J4	1.0	J4
II	Station B	59		7.2	J4	7.1		4.9	J4	1.7	J4	5.2	J4	0.41	J4
II	Station C	66		6.0	J4	6.0		4.1	J4	1.5	J4	4.2	J4	0.46	J4
II	Station D	54		10	J4	10		6.9	J4	2.6	J4	7.2	J4	0.66	J4
II	Station E	65		25	J4	25		16	J4	5.7	J4	17	J4	2.9	J4
	Average			14	J4	14		9.1	J4	3.3	J4	10	J4	1.1	J4
III	Station A	49		11	J4	11		7.2	J4	2.7	J4	7.6	J4	0.61	J4
III	Station B	63		13	J4	13		8.5	J4	3.1	J4	8.9	J4	1.4	J4
III	Station C	64		5.1	J4	5.1		3.5	J4	1.2	J4	3.6	J4	0.27	J4
III	Station D	60		4.7	J4	4.7		3.2	J4	1.1	J4	3.4	J4	0.26	J4
III	Station E	63		6.5	J4	6.4		4.3	J4	1.6	J4	4.5	J4	0.39	J4
	Average			8.0	J4	8.0		5.4	J4	1.9	J4	5.6	J4	0.58	J4

Table 2 Calculated PCB Concentration of Combined Lobster Meat and Tomalley 2007

Location	PCB Conc. in meat[1] (mg/kg)	wt meat (kg)	PCBs in meat (mg)	PCB Conc. in tomalley[1] (mg/kg)	wt tomalley (kg)	PCBs in tomalley (mg)	total weight (kg)	sum of PCBs (mg)	total concentration (mg/kg)
Area I - 136 Congeners									
E	0.18	0.50156	0.0902808	14	0.06735	0.9429	0.56891	1.0332	1.82
								avg	**1.82**
Area II - 136 Congeners									
A	0.27	0.44043	0.1189161	19	0.06781	1.28839	0.50824	1.4073	2.77
B	0.11	0.45765	0.0503415	7.2	0.06665	0.47988	0.52430	0.5302	1.01
C	0.14	0.40597	0.0568358	6.0	0.05016	0.30096	0.45613	0.3578	0.78
D	0.10	0.43506	0.043506	10	0.05826	0.5826	0.49332	0.6261	1.27
E	0.28	0.39273	0.1099644	25	0.04244	1.061	0.43517	1.1710	2.69
								avg	**1.70**
Area III - 136 Congeners									
A	0.17	0.43932	0.0746844	11	0.05790	0.6369	0.49722	0.7116	1.431
B	0.11	0.44895	0.0493845	13	0.06980	0.9074	0.51875	0.9568	1.844
C	0.10	0.43026	0.043026	5.1	0.05746	0.293046	0.48772	0.3361	0.689
D	0.061	0.29323	0.01788703	4.7	0.04632	0.217704	0.33955	0.2356	0.694
E	0.096	0.37522	0.03602112	6.5	0.05248	0.34112	0.4277	0.3771	0.882
								avg	**1.11**

Location	PCB Conc. in meat[6] (mg/kg)	wt meat (kg)	PCBs in meat (mg)	PCB Conc. in tomalley[6] (mg/kg)	wt tomalley (kg)	PCBs in tomalley (mg)	total weight(kg)	sum of PCBs (mg)	total concentration (mg/kg)
Area I - 5 Aroclors									
E	0.00023	0.50156	0.00011536	0.75	0.06735	0.0505125	0.56891	0.0506	0.08899
								avg	**0.0890**
Area II - 5 Aroclors									
A	0.00023	0.44043	0.0001013	1.0	0.06781	0.06781	0.50824	0.0679	0.13362
B	0.00023	0.45765	0.00010526	0.41	0.06665	0.0273265	0.52430	0.0274	0.05232
C	0.00023	0.40597	9.3373E-05	0.46	0.05016	0.0230736	0.45613	0.0232	0.05079
D	0.00024	0.43506	0.00010441	0.66	0.05826	0.0384516	0.49332	0.0386	0.07816
E	0.00024	0.39273	9.4255E-05	2.9	0.04244	0.123076	0.43517	0.1232	0.28304
								avg	**0.120**
Area III - 5 Aroclors									
A	0.00023	0.43932	0.00010104	0.61	0.05790	0.035319	0.49722	0.0354	0.07124
B	0.00023	0.44895	0.00010326	1.4	0.06980	0.09772	0.51875	0.0978	0.18857
C	0.00023	0.43026	9.896E-05	0.27	0.05746	0.0155142	0.48772	0.0156	0.03201
D	0.00023	0.29323	6.7443E-05	0.26	0.04632	0.0120432	0.33955	0.0121	0.03567
E	0.00023	0.37522	8.6301E-05	0.39	0.05248	0.0204672	0.4277	0.0206	0.04806
								avg	**0.075**

Table 3 Summary of Sample Data for Blue Crab 2007

	Parameter	Lipids		Total PCB Congeners[1]		Total PCB Congeners Hits[2]		Total NOAA Congeners[3]		Total WHO Congeners[4]		Total NOAA and WHO Combined[5]		Total Aroclors[6]	
	Units	PERCENT		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
Area	Station														
I	Station A	0.93		9.0	J4	9.0		4.8	J4	1.1	J4	4.9	J4	8.9	J4
I	Station B	0.86		3.5	J4	3.5		1.9	J4	0.46	J4	2.0	J4	3.6	J4
I	Station C	3.5		2.7	J4	2.7		1.6	J4	0.46	J4	1.6	J4	2.8	J4
I	Station D	0.71		3.9	J4	3.9		2.1	J4	0.48	J4	2.1	J4	4.1	J4
	Average			4.8	J4	4.8		2.6	J4	0.63	J4	2.7	J4	4.9	J4

Table 4 Summary of Sample Data for Pre-Spawn Quahog 2007

	Parameter	Lipids		Total PCB Congeners[1]		Total PCB Congeners Hits[2]		Total NOAA Congeners[3]		Total WHO Congeners[4]		Total NOAA and WHO Combined[5]		Total Aroclor[6]	
	Units	PERCENT		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
Area	Station														
I	Station B	0.46		1.3	J4	1.2		0.54	J4	0.064	J3	0.55	J4	1.5	J4
I	Station E	0.56		6.0	J4	6.0		2.6	J4	0.25	J4	2.6	J4	7.2	J4
	Average			3.7	J4	3.6		1.6	J4	0.16		1.6	J4	4.4	J4
II	Station B	0.34		0.092	J2	0.075		0.038	J3	0.0094	J2	0.040	J3	0.11	J4
II	Station C	0.57		0.73	J3	0.72		0.32	J4	0.052	J3	0.33	J4	0.95	J4
II	Station D	0.37		0.16	J3	0.15		0.069	J3	0.013	J2	0.072	J3	0.21	J4
II	Station F	0.38		0.099	J2	0.083		0.040	J3	0.0081	J2	0.042	J3	0.12	J4
II	Station G	0.26		0.082	J2	0.064		0.032	J3	0.0077	J2	0.034	J3	0.099	J4
II	Station H	0.46		0.30	J3	0.29		0.13	J4	0.024	J3	0.13	J3	0.41	J4
	Average			0.24		0.23		0.10		0.019		0.11		0.32	J4
III	Station B	0.81		0.11	J2	0.10		0.048	J3	0.012	J2	0.051	J3	0.14	J4
III	Station C	0.42		0.059	J2	0.036		0.020	J2	0.0044	J1	0.022	J2	0.042	J3
III	Station D	0.40		0.055	J2	0.029		0.017	J2	0.0042	J1	0.019	J2	0.037	J3
III	Station E	0.36		0.033	J1	0.00036	U	0.0056	U	0.0031	U	0.0078	U	0.00024	U
III	Station F	0.28		0.082	J2	0.064		0.031	J3	0.0078	J2	0.034	J3	0.091	J4
	Average			0.068		0.046		0.024		0.0063		0.027		0.062	

Table 5 Summary of Sample Data for Post-Spawn Quahog 2007

	Parameter	Lipids		Total PCB Congeners[1]		Total PCB Congeners Hits[2]		Total NOAA Congeners[3]		Total WHO Congeners[4]		Total NOAA and WHO Combined[5]		Total Aroclor[6]	
	Units	PERCENT		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
Area	Station														
I	Station B	0.27		0.66	J3	0.66		0.29	J4	0.040	J3	0.29	J4	0.77	J3
I	Station E	0.23		3.8	J4	3.8		1.6	J4	0.15	J4	1.6	J4	4.1	J4
	Average			2.2		2.2		0.95	J4	0.095		0.95	J4	2.4	
II	Station B	0.16		0.062	J2	0.044		0.023	J3	0.0061	J2	0.025	J2	0.059	J2
II	Station C	0.15		0.26	J3	0.25		0.11	J4	0.018	J3	0.11	J3	0.31	J3
II	Station D	0.20		0.14	J3	0.13		0.057	J3	0.0095	J2	0.059	J3	0.17	J3
II	Station F	0.22		0.12	J2	0.11		0.051	J3	0.010	J2	0.053	J3	0.15	J3
II	Station G	0.14		0.082	J2	0.064		0.031	J3	0.0076	J2	0.033	J3	0.075	J2
II	Station H	0.36		0.30	J3	0.29		0.13	J4	0.023	J3	0.13	J3	0.37	J3
	Average			0.16		0.15		0.067		0.012		0.068		0.19	
III	Station B	0.30		0.073	J2	0.055		0.028	J3	0.0071	J2	0.030	J3	0.067	J2
III	Station C	0.22		0.045	J2	0.023		0.014	J2	0.0043	J1	0.016	J2	0.0043	U
III	Station D	0.36		0.050	J2	0.029		0.017	J3	0.0047	J2	0.019	J2	0.0042	U
III	Station E	0.47		0.12	J2	0.11		0.049	J3	0.011	J2	0.052	J3	0.12	J2
III	Station F	0.18		0.065	J2	0.046		0.024	J3	0.0065	J2	0.026	J2	0.059	J2
	Average			0.071	J2	0.053		0.026		0.0067		0.029		0.051	

Table 6 Comparison of Pre-Spawn and Post Spawn Quahog 2007

		Lipids				Total PCB Congeners[1] (mg/kg)				Total PCB Congeners Hits[2] (mg/kg)			
Area	**Station**	**Post**	**Pre**	**Post/Pre Ratio, as%**		**Post**	**Pre**	**Post/Pre Ratio, as %**		**Post**	**Pre**	**Post/Pre Ratio, as %**	
I	Station B	0.27	0.46	57		0.66	1.3	51		0.66	1.2	55	
I	Station E	0.23	0.56	41		3.8	6.0	63		3.8	6.0	63	
II	Station B	0.16	0.34	47		0.062	0.092	67		0.044	0.075	59	
II	Station C	0.15	0.57	26		0.26	0.73	36		0.25	0.72	35	
II	Station D	0.20	0.37	54		0.14	0.16	88		0.13	0.15	87	
II	Station F	0.22	0.38	58		0.12	0.099	121		0.11	0.083	133	
II	Station G	0.14	0.26	54		0.082	0.082	100		0.064	0.064	100	
II	Station H	0.36	0.46	78		0.30	0.30	100		0.29	0.29	100	
III	Station B	0.30	0.81	37		0.073	0.11	66		0.055	0.10	55	
III	Station C	0.22	0.42	52		0.045	0.059	76		0.023	0.036	64	
III	Station D	0.36	0.40	90		0.050	0.055	91		0.029	0.029	100	
III	Station E	0.47	0.36	131		0.12	0.033			0.11	0.00036		
III	Station F	0.18	0.28	64		0.065	0.082	79		0.046	0.064	72	
Average for 3 Areas		0.25	0.44	61				78				77	

Notes: The post-spawn was divided by the pre-spawn and multiplied by 100 to obtain a percentage of the pre-spawn. Less than 100% means that the pre-spawn was higher than the post-spawn results.
The Post/Pre Average for Area III Station E not calculated because pre-spawn value was non-detect for congeners hits.

Table 7 Summary of Sample Data for Eel 2007

	Parameter	Lipids		Total PCB Congeners[1]		Total PCB Congeners Hits[2]		Total NOAA Congeners[3]		Total WHO Congeners[4]		Total NOAA and WHO Combined[5]		Total Aroclors[6]	
	Units	PERCENT		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
Area	Station														
I	Station A	11		47	J4	47		28	J4	7.5	J4	28	J4	82	J4
I	Station B	3.5		22	J4	22		11	J4	3.0	J4	12	J4	36	J4
I	Station C	7.9		66	J4	66		32	J4	6.6	J4	33	J4	106	J4
I	Station D	13		102	J4	102		49	J4	9.4	J4	50	J4	152	J4
I	Station E	8.8		59	J4	59		30	J4	6.8	J4	31	J4	98	J4
	Average			59	J4	59		30	J4	6.7	J4	31	J4	95	J4
II	Station C	5.8		83	J4	83		37	J4	6.8	J4	37	J4	137	J4

Table 8 Summary of Sample Data for Fish 2007

	Parameter	Lipids		Total PCB Congeners[1]		Total PCB Congeners Hits[2]		Total NOAA Congeners[3]		Total WHO Congeners[4]		Total NOAA and WHO Combined[5]		Total Aroclors[6]	
	Units	PERCENT		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
Area	Station														
Alewife															
I	Station A	2.0		5.0	J4	5.0		2.2	J4	0.15	J4	2.2	J4	5.8	J4
Black Sea Bass															
II	Station A	1.4		0.28	J3	0.27		0.17	J4	0.046	J3	0.17	J4	0.41	J3
II	Station B	0.96		0.048	J1	0.023		0.018	J2	0.0056	J2	0.020	J2	0.0047	U
II	Station C	0.53		0.097	J2	0.079		0.051	J3	0.014	J2	0.053	J3	0.129	J2
II	Station D	0.59		0.078	J2	0.058		0.039	J3	0.011	J2	0.041	J3	0.0046	U
II	Station E	0.56		0.17	J3	0.15		0.10	J3	0.028	J3	0.104	J3	0.27	J3
	Average			0.13		0.12		0.075		0.021		0.078		0.16	
III	Station A	0.89		0.12	J2	0.10		0.066	J3	0.019	J3	0.069	J3	0.19	J2
III	Station B	0.98		0.24	J3	0.23		0.14	J4	0.038	J3	0.14	J3	0.32	J3
III	Station D	0.64		0.11	J2	0.093		0.064	J3	0.018	J3	0.067	J3	0.17	J2
III	Station E	0.97		0.14	J2	0.12		0.078	J3	0.021	J3	0.081	J3	0.21	J3
III	Station F	0.89		0.21	J3	0.19		0.12	J4	0.032	J3	0.12	J3	0.29	J3
	Average			0.16		0.15		0.093		0.026	J3	0.10		0.23	
Scup															
II	Station A	0.92		0.29	J3	0.28		0.17	J4	0.046	J3	0.18	J4	0.0046	U
II	Station B	1.0		0.076	J2	0.053		0.036	J3	0.010	J2	0.039	J3	0.0049	U
II	Station C	0.92		0.25	J3	0.24		0.16	J4	0.042	J3	0.16	J3	0.0046	U
II	Station D	2.0		0.36	J3	0.34		0.21	J4	0.055	J3	0.22	J4	0.0049	U
II	Station E	1.1		0.086	J2	0.067		0.045	J3	0.012	J2	0.048	J3	0.0043	U
	Average			0.21		0.20		0.12		0.033		0.13		0.0047	U
III	Station A	1.1		0.14	J3	0.13		0.083	J4	0.023	J3	0.086	J3	0.0040	U
III	Station B	1.3		0.31	J3	0.30		0.18	J4	0.049	J3	0.19	J4	0.0043	U
III	Station D	0.71		0.15	J2	0.13		0.084	J4	0.023	J3	0.086	J3	0.0046	U
III	Station E	1.0		0.10	J2	0.084		0.057	J3	0.015	J2	0.060	J3	0.0046	U
III	Station F	1.0		0.39	J3	0.38		0.24	J4	0.069	J3	0.25	J4	0.0047	U
	Average					0.20				0.036		0.13		0.0044	U

Appendices

Appendix A	Laboratory Data
Appendix B	Data Validation Summary, MassDEP, NBH Seafood Contaminant Survey Monitoring 2007 Sampling
Appendix C	Seafood Monitoring - Field Sampling Activities for the NBH Superfund Site 2007 Annual Report
Appendix D	Congeners Used to Quantitate Aroclors / Determination of PCBs by GC/MS-SIM for Aroclor

Appendix A Laboratory Data

Notes and Footnotes for Tables:
[1] = summation of 136 PCB congener results (1/2 Sample Quantitation Limit [SQL] used for non-detected results)

[2] = summation of detected 136 PCB congeners

[3] = summation of 18 NOAA PCB congener results (1/2 SQL used for non-detected results)

[4] = summation of 12 WHO PCB congener results (1/2 SQL used for non-detected results)

[5] = summation of 18 NOAA & 12 WHO PCB congener results (1/2 SQL used for non-detected results); duplicative congeners (BZ# 105, #118, #167/128) subtracted from total for one data set

[6] = summation of 5 Aroclor results (1/2 SQL used for non-detected results); if all Aroclor results are not detected, then total value represets SQL for each individual Aroclor

U = not detected; value represents SQL
J = estimated value
UJ = not detect; estimated value
J1 = concentration of detected congeners contributes < 50% of total congener result
J2 = concentration of detected congeners contributes 50% to 90% of total congener result
J3 = concentration of detected congeners contributes 90% to 99% of total congener result
J4 = concentration of detected congeners contributes > 99% of total congener result

Results reported in milligrams per kilogram (mg/kg) wet weight, unless otherwise noted.
PCB Congeners and Aroclors analyzed by GC/MS-SIM.

Table 1A Sample Data for Lobster Meat (mg/kg wet weight) Areas I and II 2007

	Sample#	NBH07-L-E-1		NBH07-L-A-2		NBH07-L-B-2		NBH07-L-C-2		NBH07-L-D-2		NBH07-L-E-2	
	Species	Lobster Meat		Lobster Meat		Lobster Meat		Lobster Meat		Lobster Meat		Lobster Meat	
	Area	I		II		II		II		II		II	
	Station	Station E		Station A		Station B		Station C		Station D		Station E	
	Weight (grams)	5.44		5.53		5.56		5.58		5.29		5.23	
Parameter	Units												
Lipids	PERCENT	0.99	J3	1.7		0.74		0.59		0.59		0.92	
Total PCB Congeners (CALC)	MG/KG	0.18		0.27	J3	0.11	J2	0.14	J2	0.10	J2	0.28	J3
Total PCB Congeners Hits (CALC)	MG/KG	0.16	J3	0.25		0.094		0.13		0.085		0.27	
Total NOAA Congeners (CALC)	MG/KG	0.11	J3	0.17	J4	0.067	J3	0.088	J3	0.060	J3	0.18	J4
Total WHO Congeners (CALC)	MG/KG	0.052	J3	0.070	J4	0.026	J3	0.035	J3	0.027	J3	0.070	J3
Total WHO+NOAA Congeners (CALC)	MG/KG	0.12	U	0.18	J3	0.070	J3	0.092	J3	0.063	J3	0.18	J4
Total Aroclor (CALC)	MG/KG	0.00023	U	0.00023	U	0.00023	U	0.00023	U	0.00024	U	0.00024	U
Cl1-BZ#1	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl1-BZ#3	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl2-BZ#4/#10	MG/KG	0.00092	U	0.0009	U	0.0009	U	0.0009	U	0.00095	U	0.00096	U
Cl2-BZ#5/#8	MG/KG	0.00092	U	0.0009	U	0.0009	U	0.0009	U	0.00095	U	0.0007	J
Cl2-BZ#6	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl2-BZ#7	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl2-BZ#12/#13	MG/KG	0.00092	UJ	0.0009	UJ	0.0009	UJ	0.0009	UJ	0.00095	UJ	0.0006	J
Cl2-BZ#15	MG/KG	0.00028	J	0.00031	J	0.0002	J	0.00037	J	0.0003	J	0.0017	
Cl3-BZ#16/#32	MG/KG	0.00063	J	0.001		0.0009	U	0.00057	J	0.00039	J	0.0025	
Cl3-BZ#17	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00019	J	0.00047	U	0.00056	
Cl3-BZ#18	MG/KG	0.00019	J	0.00045	U	0.00045	U	0.00028	J	0.00047	U	0.00088	
Cl3-BZ#19	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl3-BZ#21/#33	MG/KG	0.00092	U	0.0009	U	0.0009	U	0.0009	U	0.00095	U	0.00058	J
Cl3-BZ#22	MG/KG	0.00023	J	0.00035	J	0.00045	U	0.00045	U	0.00047	U	0.0008	
Cl3-BZ#24/#27	MG/KG	0.00092	U	0.0009	U	0.0009	U	0.0009	U	0.00095	U	0.00096	U
Cl3-BZ#25	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00022	J	0.00047	U	0.00049	
Cl3-BZ#26	MG/KG	0.00039	J	0.00039	J	0.0002	J	0.00044	J	0.00036	J	0.0016	
Cl3-BZ#28/#31	MG/KG	0.0048		0.0094		0.0028		0.0052		0.0045		0.027	
Cl3-BZ#29	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl3-BZ#37	MG/KG	0.00056		0.00063		0.00028	J	0.00043	J	0.00035	J	0.0021	
Cl4-BZ#40	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl4-BZ#41/#71	MG/KG	0.00043	J	0.001		0.0009	U	0.00053	J	0.00095	U	0.0017	
Cl4-BZ#42	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl4-BZ#43/#49	MG/KG	0.00043	J	0.00053	J	0.0009	U	0.00065	J	0.00095	U	0.0013	
Cl4-BZ#44	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00024	J
Cl4-BZ#45	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl4-BZ#46	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl4-BZ#47/#48	MG/KG	0.0031		0.0061		0.0017		0.0028		0.0021		0.0088	
Cl4-BZ#50	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl4-BZ#51	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl4-BZ#52	MG/KG	0.0015		0.0016		0.00059		0.0011		0.00092		0.0029	
Cl4-BZ#53	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl4-BZ#54	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl4-BZ#56/#60	MG/KG	0.00075	J	0.0011		0.0009	U	0.00064	J	0.00045	J	0.0022	
Cl4-BZ#63	MG/KG	0.00033	J	0.00053		0.0002	J	0.0003	J	0.00021	J	0.00087	
Cl4-BZ#64	MG/KG	0.00063		0.0012		0.00039	J	0.00061		0.00043	J	0.0021	
Cl4-BZ#66	MG/KG	0.0056		0.0093		0.0027		0.0046		0.0033		0.011	
Cl4-BZ#70	MG/KG	0.00051		0.00057		0.00029	J	0.00048		0.00036	J	0.001	
Cl4-BZ#74	MG/KG	0.006		0.0061		0.0021		0.0033		0.0038		0.012	
Cl4-BZ#76	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl4-BZ#77	MG/KG	0.00068		0.00093		0.00049		0.00068		0.00038	J	0.0015	
Cl4-BZ#81	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl5-BZ#82	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl5-BZ#83	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl5-BZ#85	MG/KG	0.0018		0.003		0.00089		0.0012		0.00083		0.0017	
Cl5-BZ#87	MG/KG	0.0012		0.0018		0.00076		0.00098		0.00068		0.002	
Cl5-BZ#89	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl5-BZ#91	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00025	J
Cl5-BZ#92	MG/KG	0.00084		0.0016		0.00071		0.00077		0.00054		0.0015	
Cl5-BZ#95	MG/KG	0.00044	J	0.00032	J	0.00034	J	0.00039	J	0.00029	J	0.00043	J
Cl5-BZ#97	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl5-BZ#99	MG/KG	0.01		0.02		0.0071		0.009		0.0059		0.017	
Cl5-BZ#100	MG/KG	0.00046	U	0.00024	J	0.00045	U	0.00045	U	0.00047	U	0.00021	J
Cl5-BZ#101/#84	MG/KG	0.0023		0.0042		0.0015		0.0024		0.0015		0.0047	
Cl5-BZ#104	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl5-BZ#105	MG/KG	0.0047		0.0073		0.0024		0.0038		0.0023		0.0074	
Cl5-BZ#107	MG/KG	0.0015		0.0025		0.00085		0.0014		0.00076		0.0022	
Cl5-BZ#110	MG/KG	0.0016		0.0021		0.00093		0.0014		0.00069		0.0028	
Cl5-BZ#114	MG/KG	0.00025	J	0.00036	J	0.00045	U	0.00021	J	0.00047	U	0.0005	
Cl5-BZ#118	MG/KG	0.037		0.047		0.017		0.023		0.019		0.05	
Cl5-BZ#119	MG/KG	0.00051		0.0012		0.0004	J	0.00057		0.00037	J	0.0011	
Cl5-BZ#123	MG/KG	0.00046		0.00073		0.00028	J	0.00043	J	0.00026	J	0.00088	
Cl5-BZ#124	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl5-BZ#126	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl6-BZ#129	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl6-BZ#130	MG/KG	0.00044	J	0.00086		0.00034	J	0.00045		0.00026	J	0.00073	
Cl6-BZ#131	MG/KG	0.00092	U	0.0009	U	0.0009	U	0.0009	U	0.00095	U	0.00096	U
Cl6-BZ#132/#168	MG/KG	0.00092	U	0.0009	U	0.0009	U	0.0009	U	0.00095	U	0.00096	U
Cl6-BZ#134	MG/KG	0.00056		0.00081		0.0004	J	0.0004	J	0.00026	J	0.00072	
Cl6-BZ#135/#144	MG/KG	0.00092	U	0.00049	J	0.0009	U	0.0009	U	0.00095	U	0.00044	J
Cl6-BZ#136	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl6-BZ#137	MG/KG	0.001		0.0017		0.00058		0.00072		0.00048		0.0012	
Cl6-BZ#138/#163	MG/KG	0.016		0.028		0.011		0.013		0.0076		0.019	
Cl6-BZ#141	MG/KG	0.00046	U	0.0002	J	0.00045	U	0.00045	U	0.00047	U	0.0002	J

Table 1A Sample Data for Lobster Meat (mg/kg wet weight) Areas I and II 2007

	Sample#	NBH07-L-E-1		NBH07-L-A-2		NBH07-L-B-2		NBH07-L-C-2		NBH07-L-D-2		NBH07-L-E-2	
Cl6-BZ#146	MG/KG	0.0043		0.0071		0.0031		0.0038		0.0021		0.0058	
Cl6-BZ#147	MG/KG	0.00083		0.0014		0.00059		0.00058		0.00052		0.0013	
Cl6-BZ#149	MG/KG	0.00088		0.0012		0.00056		0.00089		0.00042	J	0.0012	
Cl6-BZ#151	MG/KG	0.00038	J	0.00046		0.00025	J	0.00034	J	0.00021	J	0.00032	J
Cl6-BZ#153	MG/KG	0.026		0.046		0.019		0.024		0.014		0.039	
Cl6-BZ#154	MG/KG	0.00046	U	0.00023	J	0.00045	U	0.00045	U	0.00047	U	0.00025	J
Cl6-BZ#155	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl6-BZ#156	MG/KG	0.0021		0.0032		0.0013		0.0014		0.0009		0.0026	
Cl6-BZ#157	MG/KG	0.00058		0.0009		0.00038	J	0.00048		0.00029	J	0.00065	
Cl6-BZ#158	MG/KG	0.0012		0.002		0.00083		0.0009		0.0005		0.0016	
Cl6-BZ#167/#128	MG/KG	0.0052		0.0085		0.0032		0.004		0.0024		0.0058	
Cl6-BZ#169	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl7-BZ#170/#190	MG/KG	0.0015		0.0023		0.0012		0.0012		0.00067	J	0.0017	
Cl7-BZ#171	MG/KG	0.00029	J	0.00052		0.00028	J	0.00024	J	0.00047	U	0.00029	J
Cl7-BZ#172	MG/KG	0.00023	J	0.00039	J	0.00024	J	0.00025	J	0.00047	U	0.00031	J
Cl7-BZ#173	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl7-BZ#174	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl7-BZ#175	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl7-BZ#176	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl7-BZ#177	MG/KG	0.00053		0.00083		0.00049		0.00042	J	0.00026	J	0.00052	
Cl7-BZ#178	MG/KG	0.00042	J	0.00067		0.0004	J	0.00047		0.00022	J	0.00062	
Cl7-BZ#180	MG/KG	0.0022		0.0039		0.0018		0.0019		0.00098		0.0027	
Cl7-BZ#182/#187	MG/KG	0.0031		0.004		0.0022		0.0024		0.0013		0.0032	
Cl7-BZ#183	MG/KG	0.00056		0.0009		0.00055		0.00053		0.00026	J	0.00074	
Cl7-BZ#184	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl7-BZ#185	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl7-BZ#188	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl7-BZ#189	MG/KG	0.00046	U	0.0002	J	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl7-BZ#191	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl7-BZ#193	MG/KG	0.00026	J	0.00033	J	0.00045	U	0.00019	J	0.00047	U	0.00031	J
Cl8-BZ#194	MG/KG	0.00029	J	0.00048		0.00025	J	0.00026	J	0.00047	U	0.00033	J
Cl8-BZ#195	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl8-BZ#196/203	MG/KG	0.00092	U	0.0009	U	0.0009	U	0.00032	J	0.00095	U	0.00096	U
Cl8-BZ#197	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl8-BZ#199	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl8-BZ#200	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl8-BZ#201	MG/KG	0.00033	J	0.00049		0.0004	J	0.00035	J	0.00047	U	0.00032	J
Cl8-BZ#202	MG/KG	0.00046	U	0.00021	J	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl8-BZ#205	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl9-BZ#206	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl9-BZ#207	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl9-BZ#208	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Cl10-BZ#209	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Aroclor-1232	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Aroclor-1242	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Aroclor-1248	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Aroclor-1254	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U
Aroclor-1260	MG/KG	0.00046	U	0.00045	U	0.00045	U	0.00045	U	0.00047	U	0.00048	U

Table 1B Sample Data for Lobster Tomalley (mg/kg wet weight) Areas I and II 2007

	Sample#	NBH07-L-E-1		NBH07-L-A-2		NBH07-L-B-2		NBH07-L-C-2		NBH07-L-D-2		NBH07-L-E-2	
	Species	Lobster Tomalley		Lobster Tomalley		Lobster Tomalley		Lobster Tomalley		Lobster Tomalley		Lobster Tomalley	
	Area	I		II		II		II		II		II	
	Station	Station E		Station A		Station B		Station C		Station D		Station E	
	Weight (grams)	5.32		5.29		5.34		5.34		5.31		5.4	
Parameter	Units												
Lipids	PERCENT	55		60		59		66		54		65	
Total PCB Congeners (CALC)	MG/KG	14	J4	19	J4	7.2	J4	6.0	J4	10	J4	25	J4
Total PCB Congeners Hits (CALC)	MG/KG	14		19		7.1		6.0		10		25	
Total NOAA Congeners (CALC)	MG/KG	9.4	J4	13	J4	4.9	J4	4.1	J4	6.9	J4	16	J4
Total WHO Congeners (CALC)	MG/KG	3.7	J4	5.0	J4	1.7	J4	1.5	J4	2.6	J4	5.7	J4
Total WHO+NOAA Congeners (CALC)	MG/KG	9.8	J4	14	J4	5.2	J4	4.2	J4	7.2	J4	17	J4
Total Aroclor (CALC)	MG/KG	0.75	J4	1.0	J4	0.41	J4	0.46	J4	0.66	J4	2.9	J4
Cl1-BZ#1	MG/KG	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00046	U
Cl1-BZ#3	MG/KG	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00038	J
Cl2-BZ#4/#10	MG/KG	0.0015		0.0015		0.00068	J	0.00087	J	0.0015		0.012	
Cl2-BZ#5/#8	MG/KG	0.012	J	0.011	J	0.004	J	0.0053	J	0.012	J	0.05	J
Cl2-BZ#6	MG/KG	0.0041		0.004		0.0015		0.0017		0.0033		0.012	
Cl2-BZ#7	MG/KG	0.00084		0.0008		0.00028	J	0.00036	J	0.00078		0.0038	
Cl2-BZ#12/#13	MG/KG	0.0069		0.0056		0.0029		0.0034		0.0071		0.048	
Cl2-BZ#15	MG/KG	0.016		0.016		0.0078		0.0096		0.024		0.13	
Cl3-BZ#16/#32	MG/KG	0.028		0.049		0.013		0.015		0.03		0.18	
Cl3-BZ#17	MG/KG	0.0047		0.0046		0.0024		0.004		0.0042		0.047	
Cl3-BZ#18	MG/KG	0.01	J	0.0072	J	0.0027	J	0.0035	J	0.0088	J	0.074	J
Cl3-BZ#19	MG/KG	0.00047	U	0.001		0.0023		0.00047	U	0.00047	U	0.0017	
Cl3-BZ#21/#33	MG/KG	0.01		0.012		0.0036		0.004		0.0088		0.038	
Cl3-BZ#22	MG/KG	0.012		0.011		0.0039		0.0043		0.01		0.062	
Cl3-BZ#24/#27	MG/KG	0.00099		0.001		0.00052	J	0.00093	J	0.00095		0.0074	
Cl3-BZ#25	MG/KG	0.0034		0.0036		0.0017		0.0042		0.0033		0.034	
Cl3-BZ#26	MG/KG	0.019		0.018		0.0072		0.013		0.017		0.13	
Cl3-BZ#28/#31	MG/KG	0.35		0.58		0.16		0.19		0.45		2.6	
Cl3-BZ#29	MG/KG	0.00031	J	0.00035	J	0.00047	U	0.00047	U	0.00024	J	0.0011	
Cl3-BZ#37	MG/KG	0.029		0.036		0.012		0.014		0.035		0.17	
Cl4-BZ#40	MG/KG	0.0017		0.0016		0.00098		0.0014		0.0014		0.0077	
Cl4-BZ#41/#71	MG/KG	0.031		0.051		0.016		0.018		0.023		0.15	
Cl4-BZ#42	MG/KG	0.001	U	0.0013	U	0.00081	U	0.0018		0.0014	U	0.0079	
Cl4-BZ#43/#49	MG/KG	0.022		0.032		0.015		0.026		0.024		0.14	
Cl4-BZ#44	MG/KG	0.0022	U	0.0027	U	0.0013	U	0.0038	U	0.0027	U	0.018	
Cl4-BZ#45	MG/KG	0.00039	J	0.00038	J	0.00047	UJ	0.00051	J	0.00046	J	0.0027	J
Cl4-BZ#46	MG/KG	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00046	U
Cl4-BZ#47/#48	MG/KG	0.25	J	0.42	J	0.11	J	0.11	J	0.24	J	0.93	J
Cl4-BZ#50	MG/KG	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00046	U
Cl4-BZ#51	MG/KG	0.0014		0.0016		0.00085		0.0012		0.0011		0.0073	
Cl4-BZ#52	MG/KG	0.076		0.086		0.032		0.04		0.081		0.32	
Cl4-BZ#53	MG/KG	0.00055		0.00054		0.00037	J	0.001		0.00058		0.004	
Cl4-BZ#54	MG/KG	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00046	U
Cl4-BZ#56/#60	MG/KG	0.054		0.072		0.021		0.023		0.047		0.19	
Cl4-BZ#63	MG/KG	0.026		0.036		0.011		0.012		0.022		0.077	
Cl4-BZ#64	MG/KG	0.04		0.07		0.021		0.021		0.043		0.17	
Cl4-BZ#66	MG/KG	0.42		0.64		0.2		0.21		0.34		1	
Cl4-BZ#70	MG/KG	0.033		0.036		0.016		0.016		0.033		0.1	
Cl4-BZ#74	MG/KG	0.29		0.37		0.13		0.12		0.27		0.88	
Cl4-BZ#76	MG/KG	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00046	U
Cl4-BZ#77	MG/KG	0.05		0.065		0.02		0.023		0.045		0.14	
Cl4-BZ#81	MG/KG	0.0024		0.0031		0.00078		0.0008		0.0019		0.0063	
Cl5-BZ#82	MG/KG	0.0016		0.0021		0.0014	U	0.00097	U	0.0013	U	0.0033	
Cl5-BZ#83	MG/KG	0.0032		0.0048		0.0023		0.0019		0.0033		0.0085	
Cl5-BZ#85	MG/KG	0.16		0.22		0.055		0.051		0.1		0.18	
Cl5-BZ#87	MG/KG	0.1		0.14		0.04		0.038		0.073		0.19	
Cl5-BZ#89	MG/KG	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00046	U
Cl5-BZ#91	MG/KG	0.0035		0.0049		0.003		0.0051		0.003		0.023	
Cl5-BZ#92	MG/KG	0.067		0.11		0.041		0.03		0.064		0.16	
Cl5-BZ#95	MG/KG	0.0074	J	0.0096	J	0.0047	UJ	0.0065	J	0.0072	J	0.034	J
Cl5-BZ#97	MG/KG	0.00099	U	0.0017	U	0.0009	U	0.0025	U	0.0014	U	0.011	
Cl5-BZ#99	MG/KG	0.85		1.5		0.49		0.38		0.68		1.8	
Cl5-BZ#100	MG/KG	0.0065		0.013		0.0039		0.0035		0.006		0.02	
Cl5-BZ#101/#84	MG/KG	0.21		0.3		0.11		0.11		0.18		0.51	
Cl5-BZ#104	MG/KG	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00046	U
Cl5-BZ#105	MG/KG	0.36		0.49		0.19		0.19		0.31		0.59	
Cl5-BZ#107	MG/KG	0.15		0.22		0.07		0.074		0.11		0.22	
Cl5-BZ#110	MG/KG	0.12		0.15		0.058		0.055		0.074		0.31	
Cl5-BZ#114	MG/KG	0.021		0.028		0.009		0.0074		0.015		0.044	
Cl5-BZ#118	MG/KG	2.3		3.2		1		0.87		1.6		3.8	
Cl5-BZ#119	MG/KG	0.045		0.09		0.027		0.022		0.043		0.11	
Cl5-BZ#123	MG/KG	0.061		0.1		0.03		0.027		0.048		0.12	
Cl5-BZ#124	MG/KG	0.0048		0.0065		0.0028		0.0024		0.0042		0.012	
Cl5-BZ#126	MG/KG	0.0094		0.011		0.004		0.0039		0.0076		0.016	
Cl6-BZ#129	MG/KG	0.0036		0.0042		0.0021		0.0016		0.0024		0.0045	
Cl6-BZ#130	MG/KG	0.047		0.068		0.023		0.022		0.031		0.066	
Cl6-BZ#131	MG/KG	0.00094	U	0.0089		0.00094	U	0.0024		0.00094	U	0.00093	U

Table 1B Sample Data for Lobster Tomalley (mg/kg wet weight) Areas I and II 2007

	Sample#	NBH07-L-E-1		NBH07-L-A-2		NBH07-L-B-2		NBH07-L-C-2		NBH07-L-D-2		NBH07-L-E-2	
Cl6-BZ#132/#168	MG/KG	0.012		0.017		0.0065		0.0058		0.009		0.025	
Cl6-BZ#134	MG/KG	0.053		0.065		0.027		0.021		0.034		0.068	
Cl6-BZ#135/#144	MG/KG	0.023		0.03		0.013		0.0096		0.016		0.046	
Cl6-BZ#136	MG/KG	0.00047	U	0.00062	U	0.00047	U	0.00072	U	0.00047	U	0.0028	
Cl6-BZ#137	MG/KG	0.1		0.13		0.035		0.033		0.058		0.12	
Cl6-BZ#138/#163	MG/KG	1.4		2.2		0.8		0.6		0.93		1.8	
Cl6-BZ#141	MG/KG	0.0092		0.012		0.0055		0.0036		0.0067		0.017	
Cl6-BZ#146	MG/KG	0.41		0.57		0.28		0.23		0.36		0.54	
Cl6-BZ#147	MG/KG	0.054		0.083		0.022		0.021		0.041		0.11	
Cl6-BZ#149	MG/KG	0.059		0.078		0.035		0.035		0.041		0.14	
Cl6-BZ#151	MG/KG	0.016		0.026		0.014		0.0081		0.017		0.028	
Cl6-BZ#153	MG/KG	2.9		4.1		1.7		1.3		2.1		4.1	
Cl6-BZ#154	MG/KG	0.0091		0.016		0.0087		0.0061		0.0081		0.024	
Cl6-BZ#155	MG/KG	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00027	J
Cl6-BZ#156	MG/KG	0.23		0.29		0.11		0.08		0.14		0.27	
Cl6-BZ#157	MG/KG	0.058		0.072		0.028		0.023		0.036		0.061	
Cl6-BZ#158	MG/KG	0.13		0.18		0.064		0.045		0.077		0.18	
Cl6-BZ#167/#128	MG/KG	0.58		0.75		0.27		0.22		0.37		0.64	
Cl6-BZ#169	MG/KG	0.00052		0.00057		0.00024	J	0.00027	J	0.00038	J	0.0006	
Cl7-BZ#170/#190	MG/KG	0.16		0.21		0.099		0.068		0.099		0.16	
Cl7-BZ#171	MG/KG	0.027		0.037		0.017		0.011		0.019		0.027	
Cl7-BZ#172	MG/KG	0.023		0.031		0.015		0.0096		0.014		0.024	
Cl7-BZ#173	MG/KG	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00046	U
Cl7-BZ#174	MG/KG	0.0061		0.0067		0.0033	U	0.0025	U	0.0037	U	0.0078	
Cl7-BZ#175	MG/KG	0.0072		0.009		0.0037		0.0034		0.0043		0.0086	
Cl7-BZ#176	MG/KG	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00036	J
Cl7-BZ#177	MG/KG	0.046		0.062		0.03		0.019		0.03		0.052	
Cl7-BZ#178	MG/KG	0.043		0.052		0.025		0.019		0.028		0.051	
Cl7-BZ#180	MG/KG	0.29		0.43		0.19		0.13		0.19		0.31	
Cl7-BZ#182/#187	MG/KG	0.29		0.36		0.17		0.13		0.2		0.33	
Cl7-BZ#183	MG/KG	0.057		0.075		0.044		0.029		0.037		0.073	
Cl7-BZ#184	MG/KG	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00046	U
Cl7-BZ#185	MG/KG	0.00033	J	0.00046	J	0.0004	J	0.00047	U	0.00033	J	0.00061	
Cl7-BZ#188	MG/KG	0.0012		0.0016		0.00072		0.00074		0.00099		0.0024	
Cl7-BZ#189	MG/KG	0.012		0.016		0.0067		0.0049		0.0074		0.013	
Cl7-BZ#191	MG/KG	0.0067		0.0087		0.0036		0.0029		0.0041		0.0085	
Cl7-BZ#193	MG/KG	0.024		0.03		0.013		0.0096		0.015		0.026	
Cl8-BZ#194	MG/KG	0.029		0.039		0.024		0.015		0.019		0.029	
Cl8-BZ#195	MG/KG	0.007		0.0089		0.0054		0.0037		0.0044		0.0076	
Cl8-BZ#196/203	MG/KG	0.027		0.036		0.024		0.016		0.019		0.033	
Cl8-BZ#197	MG/KG	0.0012		0.0014		0.0016		0.00067		0.00089		0.0011	
Cl8-BZ#199	MG/KG	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00046	U
Cl8-BZ#200	MG/KG	0.0046		0.0054		0.0045		0.0029		0.0035		0.0053	
Cl8-BZ#201	MG/KG	0.031		0.036		0.027		0.016		0.019		0.026	
Cl8-BZ#202	MG/KG	0.012		0.014		0.0079		0.0071		0.0081		0.013	
Cl8-BZ#205	MG/KG	0.00093		0.0012		0.00092		0.00053		0.00078		0.0011	
Cl9-BZ#206	MG/KG	0.0075		0.0088		0.013		0.0065		0.0056		0.0073	
Cl9-BZ#207	MG/KG	0.0012		0.0013		0.0019		0.00082		0.00086		0.0011	
Cl9-BZ#208	MG/KG	0.0038		0.0045		0.0058		0.0027		0.0027		0.0035	
Cl10-BZ#209	MG/KG	0.002		0.0022		0.0044		0.0022		0.0017		0.0014	
Aroclor-1232	MG/KG	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00046	U
Aroclor-1242	MG/KG	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00046	U
Aroclor-1248	MG/KG	0.57		0.77		0.29		0.38		0.55		2.7	
Aroclor-1254	MG/KG	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00047	U	0.00046	U
Aroclor-1260	MG/KG	0.18		0.23		0.12		0.081		0.11		0.18	

Table 1C Sample Data for Lobster Meat (mg/kg wet weight) Area III 2007

	Sample#	NBH07-L-A-3		NBH07-L-B-3		NBH07-L-C-3		NBH07-L-D-3		NBH07-L-E-3	
	Species	Lobster Meat		Lobster Meat		Lobster Meat		Lobster Meat		Lobster Meat	
	Area	III		III		III		III		III	
	Station	Station A		Station B		Station C		Station D		Station E	
	Weight (grams)	5.42		5.48		5.53		5.57		5.5	
Parameter	Units										
Lipids	PERCENT	0.81		0.62		0.78		6.0		0.87	
Total PCB Congeners (CALC)	MG/KG	0.17	J3	0.11	J2	0.10	J2	0.061	J2	0.096	J2
Total PCB Congeners Hits (CALC)	MG/KG	0.15		0.089		0.083		0.038		0.076	
Total NOAA Congeners (CALC)	MG/KG	0.11	J3	0.060	J3	0.058	J3	0.030	J3	0.054	J3
Total WHO Congeners (CALC)	MG/KG	0.044	J3	0.026	J3	0.024	J3	0.012	J2	0.023	J3
Total WHO+NOAA Congeners (CALC)	MG/KG	0.11	J3	0.063	J3	0.061	J3	0.032	J3	0.058	J3
Total Aroclor (CALC)	MG/KG	0.00023	U	0.00023	U	0.00023	U	0.00023	U	0.00023	U
Cl1-BZ#1	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl1-BZ#3	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl2-BZ#4/#10	MG/KG	0.00092	U	0.00091	U	0.0009	U	0.0009	U	0.00091	U
Cl2-BZ#5/#8	MG/KG	0.00092	U	0.00091	U	0.0009	U	0.0009	U	0.00091	U
Cl2-BZ#6	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl2-BZ#7	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl2-BZ#12/#13	MG/KG	0.00092	UJ	0.00091	UJ	0.0009	UJ	0.0009	UJ	0.00091	UJ
Cl2-BZ#15	MG/KG	0.00041	J	0.00022	J	0.00018	J	0.00045	U	0.00024	J
Cl3-BZ#16/#32	MG/KG	0.00055	J	0.00091	U	0.00037	J	0.0009	U	0.00091	U
Cl3-BZ#17	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl3-BZ#18	MG/KG	0.00022	J	0.00027	J	0.00045	U	0.00045	U	0.00045	U
Cl3-BZ#19	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl3-BZ#21/#33	MG/KG	0.00092	U	0.00091	U	0.0009	U	0.0009	U	0.00091	U
Cl3-BZ#22	MG/KG	0.00021	J	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl3-BZ#24/#27	MG/KG	0.00092	U	0.00091	U	0.0009	U	0.0009	U	0.00091	U
Cl3-BZ#25	MG/KG	0.00046	U	0.00022	J	0.00045	U	0.00045	U	0.00045	U
Cl3-BZ#26	MG/KG	0.00034	J	0.00038	J	0.00023	J	0.00045	U	0.00045	U
Cl3-BZ#28/#31	MG/KG	0.0066		0.0036		0.0034		0.0013		0.003	
Cl3-BZ#29	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl3-BZ#37	MG/KG	0.00053		0.00025	J	0.00042	J	0.00045	U	0.00035	J
Cl4-BZ#40	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl4-BZ#41/#71	MG/KG	0.00049	J	0.00046	J	0.0009	U	0.0009	U	0.00091	U
Cl4-BZ#42	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl4-BZ#43/#49	MG/KG	0.00052	J	0.0007	J	0.0009	U	0.0009	U	0.00091	U
Cl4-BZ#44	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl4-BZ#45	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl4-BZ#46	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl4-BZ#47/#48	MG/KG	0.0035		0.002		0.0023		0.00076	J	0.0019	
Cl4-BZ#50	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl4-BZ#51	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl4-BZ#52	MG/KG	0.0011		0.00092		0.00056		0.00038	J	0.00044	J
Cl4-BZ#53	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl4-BZ#54	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl4-BZ#56/#60	MG/KG	0.00077	J	0.00049	J	0.00042	J	0.0009	U	0.00038	J
Cl4-BZ#63	MG/KG	0.00036	J	0.00024	J	0.00021	J	0.00045	U	0.00045	U
Cl4-BZ#64	MG/KG	0.00061		0.00038	J	0.00053		0.0002	J	0.00036	J
Cl4-BZ#66	MG/KG	0.0052		0.003		0.0033		0.0013		0.0031	
Cl4-BZ#70	MG/KG	0.0004	J	0.00046		0.00025	J	0.00045	U	0.00025	J
Cl4-BZ#74	MG/KG	0.0059		0.003		0.0022		0.00085		0.002	
Cl4-BZ#76	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl4-BZ#77	MG/KG	0.00074		0.00038	J	0.00044	J	0.00045	U	0.00045	
Cl4-BZ#81	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl5-BZ#82	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl5-BZ#83	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl5-BZ#85	MG/KG	0.0013		0.001		0.00097		0.00039	J	0.00098	
Cl5-BZ#87	MG/KG	0.0012		0.00076		0.0007		0.00034	J	0.00062	
Cl5-BZ#89	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl5-BZ#91	MG/KG	0.00046	U	0.00019	J	0.00045	U	0.00045	U	0.00045	U
Cl5-BZ#92	MG/KG	0.001		0.00065		0.00045		0.00028	J	0.00051	
Cl5-BZ#95	MG/KG	0.00039	J	0.0003	J	0.00021	J	0.00022	J	0.00045	UJ
Cl5-BZ#97	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl5-BZ#99	MG/KG	0.012		0.0064		0.0064		0.0024		0.0057	
Cl5-BZ#100	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl5-BZ#101/#84	MG/KG	0.003		0.0021		0.0015		0.00098		0.0012	
Cl5-BZ#104	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl5-BZ#105	MG/KG	0.0042		0.0026		0.0024		0.0012		0.0022	
Cl5-BZ#107	MG/KG	0.0016		0.00094		0.00081		0.00052		0.00071	
Cl5-BZ#110	MG/KG	0.00084		0.0012		0.0009		0.00039	J	0.00077	
Cl5-BZ#114	MG/KG	0.00027	J	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl5-BZ#118	MG/KG	0.031		0.017		0.015		0.007		0.015	
Cl5-BZ#119	MG/KG	0.00065		0.00036	J	0.00038	J	0.00045	U	0.00035	J
Cl5-BZ#123	MG/KG	0.00051		0.00033	J	0.0003	J	0.00045	U	0.0003	J
Cl5-BZ#124	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl5-BZ#126	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl6-BZ#129	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl6-BZ#130	MG/KG	0.00048		0.0003	J	0.00027	J	0.00045	U	0.00026	J

Table 1C Sample Data for Lobster Meat (mg/kg wet weight) Area III 2007

	Sample#	NBH07-L-A-3		NBH07-L-B-3		NBH07-L-C-3		NBH07-L-D-3		NBH07-L-E-3	
Cl6-BZ#131	MG/KG	0.00092	U	0.00091	U	0.0009	U	0.0009	U	0.00091	U
Cl6-BZ#132/#168	MG/KG	0.00092	U	0.00091	U	0.0009	U	0.0009	U	0.00091	U
Cl6-BZ#134	MG/KG	0.00042	J	0.00029	J	0.00025	J	0.00045	U	0.00025	J
Cl6-BZ#135/#144	MG/KG	0.00092	U	0.00091	U	0.0009	U	0.0009	U	0.00091	U
Cl6-BZ#136	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl6-BZ#137	MG/KG	0.0008		0.00058		0.00055		0.00029	J	0.00045	J
Cl6-BZ#138/#163	MG/KG	0.015		0.0087		0.0087		0.0042		0.0082	
Cl6-BZ#141	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl6-BZ#146	MG/KG	0.0042		0.0024		0.0025		0.0014		0.0022	
Cl6-BZ#147	MG/KG	0.00085		0.00057		0.00046		0.00025	J	0.00041	J
Cl6-BZ#149	MG/KG	0.00071		0.00074		0.00051		0.00031	J	0.00038	J
Cl6-BZ#151	MG/KG	0.00052		0.00033	J	0.00045	U	0.00045	U	0.00045	U
Cl6-BZ#153	MG/KG	0.028		0.014		0.015		0.0084		0.014	
Cl6-BZ#154	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl6-BZ#155	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl6-BZ#156	MG/KG	0.0017		0.001		0.0011		0.00057		0.001	
Cl6-BZ#157	MG/KG	0.00051		0.00033	J	0.00033	J	0.00022	J	0.00037	J
Cl6-BZ#158	MG/KG	0.0011		0.00066		0.00071		0.00026	J	0.00065	
Cl6-BZ#167/#128	MG/KG	0.0044		0.0028		0.0028		0.0014		0.0026	
Cl6-BZ#169	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl7-BZ#170/#190	MG/KG	0.0014		0.00089	J	0.00084	J	0.00048	J	0.00077	J
Cl7-BZ#171	MG/KG	0.00029	J	0.00046	U	0.0002	J	0.00045	U	0.00021	J
Cl7-BZ#172	MG/KG	0.00023	J	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl7-BZ#173	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl7-BZ#174	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl7-BZ#175	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl7-BZ#176	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl7-BZ#177	MG/KG	0.00029	J	0.00026	J	0.00026	J	0.00045	U	0.0003	J
Cl7-BZ#178	MG/KG	0.00041	J	0.00028	J	0.00029	J	0.00045	U	0.00025	J
Cl7-BZ#180	MG/KG	0.0022		0.0013		0.0013		0.00075		0.0011	
Cl7-BZ#182/#187	MG/KG	0.0028		0.0016		0.0015		0.0012		0.0014	
Cl7-BZ#183	MG/KG	0.00055		0.00034	J	0.00031	J	0.00021	J	0.0003	J
Cl7-BZ#184	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl7-BZ#185	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl7-BZ#188	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl7-BZ#189	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl7-BZ#191	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl7-BZ#193	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl8-BZ#194	MG/KG	0.00027	J	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl8-BZ#195	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl8-BZ#196/203	MG/KG	0.00027	J	0.0002	J	0.0009	U	0.0009	U	0.00091	U
Cl8-BZ#197	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl8-BZ#199	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl8-BZ#200	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl8-BZ#201	MG/KG	0.0003	J	0.00021	J	0.00023	J	0.00045	U	0.00022	J
Cl8-BZ#202	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl8-BZ#205	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl9-BZ#206	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl9-BZ#207	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl9-BZ#208	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Cl10-BZ#209	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Aroclor-1232	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Aroclor-1242	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Aroclor-1248	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Aroclor-1254	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U
Aroclor-1260	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00045	U	0.00045	U

Table 1D Sample Data for Lobster Tomalley (mg/kg wet weight) Area III 2007

	Sample#	NBH07-L-A-3		NBH07-L-B-3		NBH07-L-C-3		NBH07-L-D-3		NBH07-L-E-3	
	Species	Lobster Tomalley		Lobster Tomalley		Lobster Tomalley		Lobster Tomalley		Lobster Tomalley	
	Area	III		III		III		III		III	
	Station	Station A		Station B		Station C		Station D		Station E	
	Weight (grams)	5.46		5.48		5.43		5.49		5.5	
Parameter	Units										
Lipids	PERCENT	49		63		64		60		63	
Total PCB Congeners (CALC)	MG/KG	11	J4	13	J4	5.1	J4	4.7	J4	6.5	J4
Total PCB Congeners Hits (CALC)	MG/KG	11		13		5.1		4.7		6.4	
Total NOAA Congeners (CALC)	MG/KG	7.2	J4	8.5	J4	3.5	J4	3.2	J4	4.3	J4
Total WHO Congeners (CALC)	MG/KG	2.7	J4	3.1	J4	1.2	J4	1.1	J4	1.6	J4
Total WHO+NOAA Congeners (CALC)	MG/KG	7.6	J4	8.9	J4	3.6	J4	3.4	J4	4.5	J4
Total Aroclor (CALC)	MG/KG	0.61	J4	1.4	J4	0.27	J4	0.26	J4	0.39	J4
Cl1-BZ#1	MG/KG	0.00046	U	0.00046	U	0.00046	U	0.00046	U	0.00045	U
Cl1-BZ#3	MG/KG	0.00046	U	0.00046	U	0.00046	U	0.00046	U	0.00045	U
Cl2-BZ#4/#10	MG/KG	0.00081	J	0.0021		0.00092	U	0.00061	J	0.00068	J
Cl2-BZ#5/#8	MG/KG	0.011	J	0.01	J	0.0036	J	0.0028	J	0.0048	J
Cl2-BZ#6	MG/KG	0.003		0.0056		0.0011		0.00071		0.0014	
Cl2-BZ#7	MG/KG	0.00065		0.00079		0.00027	J	0.00046	U	0.00034	J
Cl2-BZ#12/#13	MG/KG	0.0075		0.0075		0.0037		0.00091	U	0.00091	U
Cl2-BZ#15	MG/KG	0.022		0.02		0.0065		0.0048		0.0093	
Cl3-BZ#16/#32	MG/KG	0.027		0.032		0.012		0.0087		0.014	
Cl3-BZ#17	MG/KG	0.0031		0.0076		0.0019		0.0013		0.0025	
Cl3-BZ#18	MG/KG	0.0082	J	0.03	J	0.0022	J	0.00046	UJ	0.0024	J
Cl3-BZ#19	MG/KG	0.00046	U	0.0015		0.00057		0.00046	U	0.00045	U
Cl3-BZ#21/#33	MG/KG	0.0054		0.0095		0.0036		0.0023		0.0042	
Cl3-BZ#22	MG/KG	0.0094		0.015		0.0036		0.0025		0.0058	
Cl3-BZ#24/#27	MG/KG	0.00081	J	0.0039		0.00092	U	0.00091	U	0.00091	U
Cl3-BZ#25	MG/KG	0.0025		0.017		0.0014		0.0009		0.0016	
Cl3-BZ#26	MG/KG	0.014		0.038		0.0062		0.0047		0.007	
Cl3-BZ#28/#31	MG/KG	0.43	J	0.46		0.17		0.096		0.19	
Cl3-BZ#29	MG/KG	0.00028	J	0.00026	J	0.00046	U	0.00046	U	0.00045	U
Cl3-BZ#37	MG/KG	0.03		0.031		0.012		0.0084		0.016	
Cl4-BZ#40	MG/KG	0.00097		0.0058		0.00072		0.00072		0.00045	U
Cl4-BZ#41/#71	MG/KG	0.028		0.058		0.01		0.0066		0.019	
Cl4-BZ#42	MG/KG	0.00078	U	0.0092		0.00078	U	0.00046	U	0.00045	U
Cl4-BZ#43/#49	MG/KG	0.023		0.093		0.011		0.0082		0.013	
Cl4-BZ#44	MG/KG	0.0015	U	0.0091		0.0015	U	0.00095	U	0.0012	U
Cl4-BZ#45	MG/KG	0.00031	J	0.0016	J	0.00046	UJ	0.00046	UJ	0.00045	UJ
Cl4-BZ#46	MG/KG	0.00046	U	0.00046	U	0.00046	U	0.00046	U	0.00045	U
Cl4-BZ#47/#48	MG/KG	0.22	J	0.27	J	0.12	J	0.066	J	0.13	J
Cl4-BZ#50	MG/KG	0.00046	U	0.00046	U	0.00046	U	0.00046	U	0.00045	U
Cl4-BZ#51	MG/KG	0.00077		0.0022		0.00064		0.00045	J	0.00068	
Cl4-BZ#52	MG/KG	0.065		0.11		0.024		0.023		0.032	
Cl4-BZ#53	MG/KG	0.00055		0.0038		0.00035	J	0.00028	J	0.00027	J
Cl4-BZ#54	MG/KG	0.00046	U	0.00046	U	0.00046	U	0.00046	U	0.00045	U
Cl4-BZ#56/#60	MG/KG	0.047		0.062		0.021		0.015		0.025	
Cl4-BZ#63	MG/KG	0.026		0.029		0.01		0.0083		0.012	
Cl4-BZ#64	MG/KG	0.03		0.049		0.022		0.016		0.021	
Cl4-BZ#66	MG/KG	0.29	J	0.38		0.21		0.14		0.24	
Cl4-BZ#70	MG/KG	0.02		0.055		0.012		0.013		0.02	
Cl4-BZ#74	MG/KG	0.28	J	0.3		0.12		0.076		0.13	
Cl4-BZ#76	MG/KG	0.00046	U	0.00046	U	0.00046	U	0.00046	U	0.00045	U
Cl4-BZ#77	MG/KG	0.046		0.051		0.02		0.017		0.023	
Cl4-BZ#81	MG/KG	0.0019		0.0022		0.00083		0.00066		0.00099	
Cl5-BZ#82	MG/KG	0.0016		0.0045		0.00059	U	0.00075	U	0.001	U
Cl5-BZ#83	MG/KG	0.0018		0.0097		0.0016		0.0014		0.0023	
Cl5-BZ#85	MG/KG	0.086		0.13		0.053		0.04		0.075	
Cl5-BZ#87	MG/KG	0.088		0.1		0.036		0.03		0.044	
Cl5-BZ#89	MG/KG	0.00046	U	0.00046	U	0.00046	U	0.00046	U	0.00045	U
Cl5-BZ#91	MG/KG	0.0027		0.024		0.0026		0.0017		0.0026	
Cl5-BZ#92	MG/KG	0.069		0.092		0.02		0.024		0.042	
Cl5-BZ#95	MG/KG	0.0063	J	0.02	J	0.0042	UJ	0.0027	UJ	0.0039	UJ
Cl5-BZ#97	MG/KG	0.0008	U	0.0086		0.0014	U	0.00049	U	0.00085	U
Cl5-BZ#99	MG/KG	0.73	J	0.93		0.37		0.3		0.5	
Cl5-BZ#100	MG/KG	0.0047		0.0086		0.0033		0.0024		0.0039	
Cl5-BZ#101/#84	MG/KG	0.22	J	0.33		0.086		0.12		0.12	
Cl5-BZ#104	MG/KG	0.00046	U	0.00046	U	0.00046	U	0.00046	U	0.00045	U
Cl5-BZ#105	MG/KG	0.35	J	0.31		0.15		0.13		0.19	
Cl5-BZ#107	MG/KG	0.14		0.16		0.055		0.068		0.071	
Cl5-BZ#110	MG/KG	0.052		0.18		0.046		0.036		0.068	
Cl5-BZ#114	MG/KG	0.017		0.018		0.0071		0.0058		0.0086	
Cl5-BZ#118	MG/KG	1.6	J	2		0.77		0.6		0.96	

Table 1D Sample Data for Lobster Tomalley (mg/kg wet weight) Area III 2007

	Sample#	NBH07-L-A-3		NBH07-L-B-3		NBH07-L-C-3		NBH07-L-D-3		NBH07-L-E-3	
Cl5-BZ#119	MG/KG	0.043		0.062		0.023		0.015		0.029	
Cl5-BZ#123	MG/KG	0.057		0.059		0.023		0.017		0.026	
Cl5-BZ#124	MG/KG	0.0044		0.0091		0.0017		0.0024		0.0031	
Cl5-BZ#126	MG/KG	0.0078		0.0081		0.0033		0.0035		0.0038	
Cl6-BZ#129	MG/KG	0.0026		0.0042		0.0013		0.0013		0.0016	
Cl6-BZ#130	MG/KG	0.04		0.048		0.015		0.02		0.023	
Cl6-BZ#131	MG/KG	0.00092	U	0.006		0.0021		0.0028		0.0029	
Cl6-BZ#132/#168	MG/KG	0.0081		0.02		0.0056		0.0039		0.0072	
Cl6-BZ#134	MG/KG	0.035		0.045		0.017		0.016		0.022	
Cl6-BZ#135/#144	MG/KG	0.01		0.022		0.0083		0.0095		0.011	
Cl6-BZ#136	MG/KG	0.00046	U	0.0021		0.0005	U	0.00046	U	0.00045	U
Cl6-BZ#137	MG/KG	0.063		0.074		0.03		0.025		0.039	
Cl6-BZ#138/#163	MG/KG	1.1	J	1.3		0.65		0.59		0.7	
Cl6-BZ#141	MG/KG	0.0087		0.017		0.003		0.0045		0.0054	
Cl6-BZ#146	MG/KG	0.31	J	0.36		0.18		0.21		0.22	
Cl6-BZ#147	MG/KG	0.046		0.053		0.02		0.018		0.026	
Cl6-BZ#149	MG/KG	0.044		0.11		0.029		0.032		0.037	
Cl6-BZ#151	MG/KG	0.02		0.039		0.0056		0.0087		0.012	
Cl6-BZ#153	MG/KG	2.2	J	2.5		1		1		1.3	
Cl6-BZ#154	MG/KG	0.012		0.021		0.0044		0.0053		0.0063	
Cl6-BZ#155	MG/KG	0.00046	U	0.00026	J	0.00046	U	0.00026	J	0.00045	U
Cl6-BZ#156	MG/KG	0.15		0.18		0.071		0.073		0.092	
Cl6-BZ#157	MG/KG	0.038		0.045		0.018		0.022		0.024	
Cl6-BZ#158	MG/KG	0.096		0.12		0.048		0.03		0.064	
Cl6-BZ#167/#128	MG/KG	0.38	J	0.45		0.18		0.18		0.25	
Cl6-BZ#169	MG/KG	0.00042	J	0.00052		0.00046	U	0.00032	J	0.00024	J
Cl7-BZ#170/#190	MG/KG	0.12		0.13		0.051		0.061		0.069	
Cl7-BZ#171	MG/KG	0.02		0.025		0.0092		0.01		0.013	
Cl7-BZ#172	MG/KG	0.017		0.019		0.0078		0.0083		0.01	
Cl7-BZ#173	MG/KG	0.00046	U	0.00032	J	0.00046	U	0.00046	U	0.00045	U
Cl7-BZ#174	MG/KG	0.0026	U	0.0061		0.0025	U	0.0033	U	0.0032	U
Cl7-BZ#175	MG/KG	0.0058		0.0064		0.0026		0.0035		0.0031	
Cl7-BZ#176	MG/KG	0.00046	U	0.00058		0.00046	U	0.00046	U	0.00045	U
Cl7-BZ#177	MG/KG	0.021		0.038		0.015		0.018		0.024	
Cl7-BZ#178	MG/KG	0.028		0.035		0.015		0.018		0.02	
Cl7-BZ#180	MG/KG	0.22		0.24		0.099		0.12		0.13	
Cl7-BZ#182/#187	MG/KG	0.22	J	0.24		0.099		0.14		0.14	
Cl7-BZ#183	MG/KG	0.05		0.057		0.022		0.025		0.032	
Cl7-BZ#184	MG/KG	0.00046	U	0.00046	U	0.00046	U	0.00046	U	0.00045	U
Cl7-BZ#185	MG/KG	0.00036	J	0.00059		0.00046	U	0.00034	J	0.00029	J
Cl7-BZ#188	MG/KG	0.0012		0.0013		0.00062		0.00072		0.00074	
Cl7-BZ#189	MG/KG	0.0083		0.0093		0.0041		0.005		0.0053	
Cl7-BZ#191	MG/KG	0.005		0.0058		0.0025		0.0023		0.0033	
Cl7-BZ#193	MG/KG	0.016		0.018		0.0076		0.0092		0.0096	
Cl8-BZ#194	MG/KG	0.024		0.025		0.011		0.017		0.014	
Cl8-BZ#195	MG/KG	0.0053		0.0058		0.0024		0.0036		0.0028	
Cl8-BZ#196/203	MG/KG	0.024		0.027		0.011		0.017		0.015	
Cl8-BZ#197	MG/KG	0.00098		0.0014		0.0006		0.00087		0.00073	
Cl8-BZ#199	MG/KG	0.00046	U	0.00046	U	0.00046	U	0.00046	U	0.00045	U
Cl8-BZ#200	MG/KG	0.004		0.0048		0.0022		0.0038		0.0028	
Cl8-BZ#201	MG/KG	0.023		0.027		0.011		0.018		0.016	
Cl8-BZ#202	MG/KG	0.0079		0.011		0.0053		0.0084		0.0064	
Cl8-BZ#205	MG/KG	0.0009		0.00088		0.00043	J	0.00061		0.0005	
Cl9-BZ#206	MG/KG	0.0072		0.0086		0.0037		0.0075		0.0046	
Cl9-BZ#207	MG/KG	0.0011		0.0013		0.00067		0.00093		0.0007	
Cl9-BZ#208	MG/KG	0.003		0.0042		0.0022		0.0031		0.0023	
Cl10-BZ#209	MG/KG	0.0017		0.0026		0.0012	U	0.0023		0.0014	
Aroclor-1232	MG/KG	0.00046	U	0.00046	U	0.00046	U	0.00046	U	0.00045	U
Aroclor-1242	MG/KG	0.00046	U	0.00046	U	0.00046	U	0.00046	U	0.00045	U
Aroclor-1248	MG/KG	0.47		1.2		0.21		0.18		0.31	
Aroclor-1254	MG/KG	0.00046	U	0.00046	U	0.00046	U	0.00046	U	0.00045	U
Aroclor-1260	MG/KG	0.14		0.15		0.06		0.079		0.082	

Table 2 Sample Data for Blue Crab (mg/kg wet weight) Area I 2007

Parameter	Sample# / Species / Area / Station / Units	NBH07-L-A-1 Blue Crabs I Station A		NBH07-L-B-1 Blue Crabs I Station B		NBH07-L-C-1 Blue Crabs I Station C		NBH07-L-D-1 Blue Crabs I Station D	
Lipids	PERCENT	0.93		0.86		3.5		0.71	
Total PCB Congeners (CALC)	MG/KG	9.0	J4	3.5	J4	2.7	J4	3.9	J4
Total PCB Congeners Hits (CALC)	MG/KG	9.0		3.5		2.7		3.9	
Total NOAA Congeners (CALC)	MG/KG	4.8	J4	1.9	J4	1.6	J4	2.1	J4
Total WHO Congeners (CALC)	MG/KG	1.1	J4	0.46	J4	0.46	J4	0.48	J4
Total WHO+NOAA Congeners (CALC)	MG/KG	4.9	J4	2.0	J4	1.6	J4	2.1	J4
Total Aroclor (CALC)	MG/KG	8.9	J4	3.6	J4	2.8	J4	4.1	J4
Cl1-BZ#1	MG/KG	0.00045	U	0.00047	U	0.00047	U	0.00045	U
Cl1-BZ#3	MG/KG	0.00045	U	0.00047	U	0.00047	U	0.00045	U
Cl2-BZ#4/#10	MG/KG	0.0079		0.0036		0.0015		0.0044	
Cl2-BZ#5/#8	MG/KG	0.03	J	0.015		0.0052		0.02	
Cl2-BZ#6	MG/KG	0.03		0.013		0.0036		0.009	
Cl2-BZ#7	MG/KG	0.0018		0.00081		0.00033	J	0.00065	
Cl2-BZ#12/#13	MG/KG	0.039	J	0.018	J	0.011	J	0.013	J
Cl2-BZ#15	MG/KG	0.064		0.042		0.041		0.037	
Cl3-BZ#16/#32	MG/KG	0.044		0.02		0.006		0.03	
Cl3-BZ#17	MG/KG	0.03		0.014		0.0036		0.018	
Cl3-BZ#18	MG/KG	0.088	J	0.032	J	0.0065	J	0.032	J
Cl3-BZ#19	MG/KG	0.0034		0.0015		0.00055		0.0012	
Cl3-BZ#21/#33	MG/KG	0.017		0.007		0.0015		0.0062	
Cl3-BZ#22	MG/KG	0.036		0.017		0.005		0.019	
Cl3-BZ#24/#27	MG/KG	0.012		0.0051		0.0014		0.0057	
Cl3-BZ#25	MG/KG	0.14		0.054		0.019		0.052	
Cl3-BZ#26	MG/KG	0.25		0.096		0.022		0.08	
Cl3-BZ#28/#31	MG/KG	1.8	J	0.7		0.52		0.71	
Cl3-BZ#29	MG/KG	0.00045	U	0.00047	U	0.00047	U	0.00045	U
Cl3-BZ#37	MG/KG	0.06		0.028		0.029		0.026	
Cl4-BZ#40	MG/KG	0.015		0.0061		0.0023		0.0047	
Cl4-BZ#41/#71	MG/KG	0.099		0.035		0.0074		0.035	
Cl4-BZ#42	MG/KG	0.031		0.011		0.0029		0.013	
Cl4-BZ#43/#49	MG/KG	0.2	J	0.07		0.013		0.083	
Cl4-BZ#44	MG/KG	0.048	J	0.014		0.0018		0.012	
Cl4-BZ#45	MG/KG	0.0029		0.0012		0.00047	U	0.00097	
Cl4-BZ#46	MG/KG	0.00045	U	0.00047	U	0.00047	U	0.00045	U
Cl4-BZ#47/#48	MG/KG	0.59	J	0.2		0.16		0.24	
Cl4-BZ#50	MG/KG	0.00064		0.00023	J	0.00047	U	0.00045	U
Cl4-BZ#51	MG/KG	0.008		0.0032		0.00091		0.0038	
Cl4-BZ#52	MG/KG	0.25	J	0.082		0.014		0.08	
Cl4-BZ#53	MG/KG	0.012		0.0047		0.00095		0.0048	
Cl4-BZ#54	MG/KG	0.00045	U	0.00047	U	0.00047	U	0.00045	U
Cl4-BZ#56/#60	MG/KG	0.097	J	0.048		0.038		0.047	
Cl4-BZ#63	MG/KG	0.022		0.009		0.005		0.0075	
Cl4-BZ#64	MG/KG	0.05		0.022		0.016		0.038	
Cl4-BZ#66	MG/KG	0.42	J	0.16		0.16		0.19	
Cl4-BZ#70	MG/KG	0.049		0.015		0.0038		0.028	
Cl4-BZ#74	MG/KG	0.33	J	0.14		0.12		0.15	
Cl4-BZ#76	MG/KG	0.00045	U	0.00047	U	0.00047	U	0.00045	U
Cl4-BZ#77	MG/KG	0.031	J	0.014		0.013		0.015	
Cl4-BZ#81	MG/KG	0.0016		0.00073		0.00075		0.00076	
Cl5-BZ#82	MG/KG	0.0019		0.00066		0.00047	U	0.00096	
Cl5-BZ#83	MG/KG	0.0057		0.0025		0.0011		0.0036	
Cl5-BZ#85	MG/KG	0.045		0.018		0.021		0.024	
Cl5-BZ#87	MG/KG	0.044		0.017		0.0088		0.017	
Cl5-BZ#89	MG/KG	0.00045	U	0.00047	U	0.00047	U	0.00045	U
Cl5-BZ#91	MG/KG	0.054		0.021		0.0085		0.022	
Cl5-BZ#92	MG/KG	0.035		0.014		0.0051		0.014	
Cl5-BZ#95	MG/KG	0.055	J	0.02	J	0.0085	J	0.021	J
Cl5-BZ#97	MG/KG	0.032		0.013		0.0062		0.018	
Cl5-BZ#99	MG/KG	0.82	J	0.29		0.26		0.36	
Cl5-BZ#100	MG/KG	0.026		0.0084		0.0073		0.011	
Cl5-BZ#101/#84	MG/KG	0.19	J	0.069		0.028		0.083	
Cl5-BZ#104	MG/KG	0.00045	U	0.00047	U	0.00047	U	0.00045	U
Cl5-BZ#105	MG/KG	0.089	J	0.047		0.056		0.056	
Cl5-BZ#107	MG/KG	0.047		0.02		0.017		0.021	

Table 2 Sample Data for Blue Crab (mg/kg wet weight) Area I 2007

	Sample#	NBH07-L-A-1		NBH07-L-B-1		NBH07-L-C-1		NBH07-L-D-1	
Cl5-BZ#110	MG/KG	0.12	J	0.044		0.013		0.063	
Cl5-BZ#114	MG/KG	0.012		0.0052		0.0047		0.0056	
Cl5-BZ#118	MG/KG	0.79	J	0.33		0.32		0.33	
Cl5-BZ#119	MG/KG	0.093		0.032		0.028		0.037	
Cl5-BZ#123	MG/KG	0.021		0.0093		0.0086		0.011	
Cl5-BZ#124	MG/KG	0.0038		0.0018		0.00094		0.0026	
Cl5-BZ#126	MG/KG	0.002	J	0.001		0.00095		0.00093	
Cl6-BZ#129	MG/KG	0.0015		0.00075		0.00063		0.0011	
Cl6-BZ#130	MG/KG	0.0073		0.0036		0.0029		0.0035	
Cl6-BZ#131	MG/KG	0.0013		0.00094	U	0.00048	J	0.00091	U
Cl6-BZ#132/#168	MG/KG	0.0056		0.002		0.0012		0.0026	
Cl6-BZ#134	MG/KG	0.014		0.0062		0.0044		0.0061	
Cl6-BZ#135/#144	MG/KG	0.012		0.0052		0.0029		0.0066	
Cl6-BZ#136	MG/KG	0.0041		0.0018		0.00086		0.0016	
Cl6-BZ#137	MG/KG	0.022		0.01		0.011		0.013	
Cl6-BZ#138/#163	MG/KG	0.31	J	0.13		0.13		0.16	
Cl6-BZ#141	MG/KG	0.0039		0.0018		0.00081		0.0026	
Cl6-BZ#146	MG/KG	0.091	J	0.039		0.035		0.044	
Cl6-BZ#147	MG/KG	0.021		0.0091		0.0051		0.0083	
Cl6-BZ#149	MG/KG	0.12	J	0.043		0.024		0.048	
Cl6-BZ#151	MG/KG	0.0091	J	0.0035		0.00077		0.0038	
Cl6-BZ#153	MG/KG	0.58	J	0.25		0.26		0.29	
Cl6-BZ#154	MG/KG	0.029		0.01		0.009		0.014	
Cl6-BZ#155	MG/KG	0.00036	J	0.00047	U	0.00047	U	0.00045	U
Cl6-BZ#156	MG/KG	0.035	J	0.017		0.018		0.02	
Cl6-BZ#157	MG/KG	0.0053	J	0.0032		0.0034		0.0031	
Cl6-BZ#158	MG/KG	0.05	J	0.019		0.019		0.024	
Cl6-BZ#167/#128	MG/KG	0.075	J	0.036		0.038		0.039	
Cl6-BZ#169	MG/KG	0.00045	U	0.00047	U	0.00047	U	0.00045	U
Cl7-BZ#170/#190	MG/KG	0.018	J	0.0082		0.01		0.0082	
Cl7-BZ#171	MG/KG	0.0065		0.0027		0.0032		0.0034	
Cl7-BZ#172	MG/KG	0.0037		0.0021		0.0018		0.0019	
Cl7-BZ#173	MG/KG	0.00045	U	0.00047	U	0.00047	U	0.00045	U
Cl7-BZ#174	MG/KG	0.0017		0.00083		0.0005		0.0012	
Cl7-BZ#175	MG/KG	0.0014		0.00059		0.00055		0.00054	
Cl7-BZ#176	MG/KG	0.00047		0.00047	U	0.00047	U	0.00045	U
Cl7-BZ#177	MG/KG	0.0044		0.0026		0.0023		0.0023	
Cl7-BZ#178	MG/KG	0.01		0.0045		0.0035		0.0046	
Cl7-BZ#180	MG/KG	0.037	J	0.017		0.02		0.02	
Cl7-BZ#182/#187	MG/KG	0.052	J	0.022		0.02		0.025	
Cl7-BZ#183	MG/KG	0.016	J	0.0065		0.0073		0.0081	
Cl7-BZ#184	MG/KG	0.00045	U	0.00047	U	0.00047	U	0.00045	U
Cl7-BZ#185	MG/KG	0.00037	J	0.00047	U	0.00047	U	0.00045	U
Cl7-BZ#188	MG/KG	0.00095		0.00038	J	0.00034	J	0.00039	J
Cl7-BZ#189	MG/KG	0.0014		0.00072		0.00074		0.00068	
Cl7-BZ#191	MG/KG	0.0012		0.00054		0.0006		0.00064	
Cl7-BZ#193	MG/KG	0.0032		0.0014		0.0014		0.0014	
Cl8-BZ#194	MG/KG	0.0033	J	0.0014		0.0017		0.0017	
Cl8-BZ#195	MG/KG	0.0011		0.00051		0.00072		0.00055	
Cl8-BZ#196/203	MG/KG	0.0049		0.0021		0.0027		0.0022	
Cl8-BZ#197	MG/KG	0.00026	J	0.00047	U	0.00047	U	0.00045	U
Cl8-BZ#199	MG/KG	0.00045	U	0.00047	U	0.00047	U	0.00045	U
Cl8-BZ#200	MG/KG	0.0011		0.00047	U	0.00045	J	0.00057	
Cl8-BZ#201	MG/KG	0.0056		0.0024		0.0025		0.0036	
Cl8-BZ#202	MG/KG	0.0027		0.0012		0.001		0.0013	
Cl8-BZ#205	MG/KG	0.00045	U	0.00047	U	0.00047	U	0.00045	U
Cl9-BZ#206	MG/KG	0.0012		0.00047	U	0.00047	U	0.00053	
Cl9-BZ#207	MG/KG	0.0003	J	0.00047	U	0.00047	U	0.00045	U
Cl9-BZ#208	MG/KG	0.00093		0.00051		0.00043	J	0.0006	
Cl10-BZ#209	MG/KG	0.0004	J	0.00047	U	0.0003	J	0.00023	J
Aroclor-1232	MG/KG	0.00045	U	0.00047	U	0.00047	U	0.00045	U
Aroclor-1242	MG/KG	0.00045	U	0.00047	U	0.00047	U	0.00045	U
Aroclor-1248	MG/KG	2.3		0.79		0.15		0.86	
Aroclor-1254	MG/KG	6.6		2.8		2.6		3.2	
Aroclor-1260	MG/KG	0.00045	U	0.00047	U	0.00047	U	0.00045	U

Table 3A Sample Data for Quahogs, Pre-Spawning (mg/kg wet weight) Area I 2007

	Sample#	NBH07-SF-B-1		NBH07-SF-E-1	
	Species	Quahogs		Quahogs	
	Area	I		I	
	Station	Station B		Station E	
Parameter	**Units**				
Lipids	PERCENT	0.46		0.56	
Total PCB Congeners[1]	MG/KG	1.3	J4	6.0	J4
Total PCB Congeners Hits[2]	MG/KG	1.2		6.0	
Total NOAA Congeners[3]	MG/KG	0.54	J4	2.6	J4
Total WHO Congeners[4]	MG/KG	0.064	J3	0.25	J4
Total NOAA / WHO Combined[5]	MG/KG	0.55	J4	2.6	J4
Total Aroclors[6]	MG/KG	1.5	J4	7.2	J4
Cl1-BZ#1	MG/KG	0.00046	U	0.00032	J
Cl1-BZ#3	MG/KG	0.00046	U	0.00026	J
Cl2-BZ#4/#10	MG/KG	0.0039		0.019	
Cl2-BZ#5/#8	MG/KG	0.0042		0.046	
Cl2-BZ#6	MG/KG	0.0025		0.035	
Cl2-BZ#7	MG/KG	0.0005		0.0038	
Cl2-BZ#12/#13	MG/KG	0.0065	J	0.036	J
Cl2-BZ#15	MG/KG	0.0072		0.034	
Cl3-BZ#16/#32	MG/KG	0.018		0.099	
Cl3-BZ#17	MG/KG	0.014		0.078	
Cl3-BZ#18	MG/KG	0.037		0.19	
Cl3-BZ#19	MG/KG	0.0023		0.012	
Cl3-BZ#21/#33	MG/KG	0.0068		0.039	
Cl3-BZ#22	MG/KG	0.011		0.052	
Cl3-BZ#24/#27	MG/KG	0.0056		0.028	
Cl3-BZ#25	MG/KG	0.032		0.18	
Cl3-BZ#26	MG/KG	0.054		0.3	
Cl3-BZ#28/#31	MG/KG	0.16		0.86	
Cl3-BZ#29	MG/KG	0.00046	U	0.00046	U
Cl3-BZ#37	MG/KG	0.0066		0.027	
Cl4-BZ#40	MG/KG	0.005		0.024	
Cl4-BZ#41/#71	MG/KG	0.027		0.13	
Cl4-BZ#42	MG/KG	0.011		0.052	
Cl4-BZ#43/#49	MG/KG	0.092		0.47	
Cl4-BZ#44	MG/KG	0.03		0.14	
Cl4-BZ#45	MG/KG	0.0028		0.014	
Cl4-BZ#46	MG/KG	0.0034		0.016	
Cl4-BZ#47/#48	MG/KG	0.04		0.19	
Cl4-BZ#50	MG/KG	0.00024	J	0.00097	
Cl4-BZ#51	MG/KG	0.0033		0.018	
Cl4-BZ#52	MG/KG	0.1		0.51	
Cl4-BZ#53	MG/KG	0.0073		0.039	
Cl4-BZ#54	MG/KG	0.00046	U	0.00071	
Cl4-BZ#56/#60	MG/KG	0.013		0.052	
Cl4-BZ#63	MG/KG	0.0027		0.01	
Cl4-BZ#64	MG/KG	0.017		0.085	
Cl4-BZ#66	MG/KG	0.031		0.12	
Cl4-BZ#70	MG/KG	0.026		0.11	
Cl4-BZ#74	MG/KG	0.021		0.092	
Cl4-BZ#76	MG/KG	0.00046	U	0.00046	U
Cl4-BZ#77	MG/KG	0.0037		0.014	
Cl4-BZ#81	MG/KG	0.00062		0.0015	
Cl5-BZ#82	MG/KG	0.0016		0.0061	
Cl5-BZ#83	MG/KG	0.0027		0.011	
Cl5-BZ#85	MG/KG	0.0036		0.012	
Cl5-BZ#87	MG/KG	0.0094		0.035	
Cl5-BZ#89	MG/KG	0.00046	U	0.00046	U
Cl5-BZ#91	MG/KG	0.014		0.074	
Cl5-BZ#92	MG/KG	0.012		0.049	
Cl5-BZ#95	MG/KG	0.025		0.12	
Cl5-BZ#97	MG/KG	0.012		0.056	
Cl5-BZ#99	MG/KG	0.043		0.19	
Cl5-BZ#100	MG/KG	0.0016		0.0084	
Cl5-BZ#101/#84	MG/KG	0.054		0.24	
Cl5-BZ#104	MG/KG	0.00046	U	0.00046	U
Cl5-BZ#105	MG/KG	0.0074		0.025	
Cl5-BZ#107	MG/KG	0.0043		0.016	

Table 3A Sample Data for Quahogs, Pre-Spawning (mg/kg wet weight) Area I 2007

	Sample#	NBH07-SF-B-1		NBH07-SF-E-1	
Cl5-BZ#110	MG/KG	0.051		0.23	
Cl5-BZ#114	MG/KG	0.00069		0.0029	
Cl5-BZ#118	MG/KG	0.041	J	0.17	
Cl5-BZ#119	MG/KG	0.0055		0.028	
Cl5-BZ#123	MG/KG	0.0024		0.0094	
Cl5-BZ#124	MG/KG	0.0014		0.0054	
Cl5-BZ#126	MG/KG	0.00046	U	0.00066	
Cl6-BZ#129	MG/KG	0.00071		0.0027	
Cl6-BZ#130	MG/KG	0.0016		0.0052	
Cl6-BZ#131	MG/KG	0.00093	U	0.001	
Cl6-BZ#132/#168	MG/KG	0.0042		0.014	
Cl6-BZ#134	MG/KG	0.0023		0.011	
Cl6-BZ#135/#144	MG/KG	0.0049		0.021	
Cl6-BZ#136	MG/KG	0.0031		0.015	
Cl6-BZ#137	MG/KG	0.0017		0.0068	
Cl6-BZ#138/#163	MG/KG	0.025		0.1	
Cl6-BZ#141	MG/KG	0.0017		0.0072	
Cl6-BZ#146	MG/KG	0.0068		0.028	
Cl6-BZ#147	MG/KG	0.0027		0.012	
Cl6-BZ#149	MG/KG	0.025		0.12	
Cl6-BZ#151	MG/KG	0.0029		0.015	
Cl6-BZ#153	MG/KG	0.033		0.14	
Cl6-BZ#154	MG/KG	0.0016		0.0081	
Cl6-BZ#155	MG/KG	0.00046	U	0.00046	U
Cl6-BZ#156	MG/KG	0.0022		0.0099	
Cl6-BZ#157	MG/KG	0.00049		0.0017	
Cl6-BZ#158	MG/KG	0.0015		0.008	
Cl6-BZ#167/#128	MG/KG	0.0046		0.019	
Cl6-BZ#169	MG/KG	0.00046	U	0.00046	U
Cl7-BZ#170/#190	MG/KG	0.0015		0.0066	
Cl7-BZ#171	MG/KG	0.00029	J	0.0011	
Cl7-BZ#172	MG/KG	0.00043	J	0.0016	
Cl7-BZ#173	MG/KG	0.00046	U	0.00046	U
Cl7-BZ#174	MG/KG	0.0011		0.0043	
Cl7-BZ#175	MG/KG	0.00046	U	0.00031	J
Cl7-BZ#176	MG/KG	0.00046	U	0.00054	
Cl7-BZ#177	MG/KG	0.0012		0.0039	
Cl7-BZ#178	MG/KG	0.00064		0.0026	
Cl7-BZ#180	MG/KG	0.0035		0.014	
Cl7-BZ#182/#187	MG/KG	0.0045		0.018	
Cl7-BZ#183	MG/KG	0.00076		0.0031	
Cl7-BZ#184	MG/KG	0.00046	U	0.00046	U
Cl7-BZ#185	MG/KG	0.00046	U	0.00031	J
Cl7-BZ#188	MG/KG	0.00046	U	0.00029	J
Cl7-BZ#189	MG/KG	0.00046	U	0.00058	
Cl7-BZ#191	MG/KG	0.00046	U	0.00041	J
Cl7-BZ#193	MG/KG	0.00039	J	0.0014	
Cl8-BZ#194	MG/KG	0.00056		0.0022	
Cl8-BZ#195	MG/KG	0.00046	U	0.00064	
Cl8-BZ#196/203	MG/KG	0.00047	J	0.0021	
Cl8-BZ#197	MG/KG	0.00046	U	0.00046	U
Cl8-BZ#199	MG/KG	0.00046	U	0.00046	U
Cl8-BZ#200	MG/KG	0.00046	U	0.00029	J
Cl8-BZ#201	MG/KG	0.00058		0.0021	
Cl8-BZ#202	MG/KG	0.00046	U	0.00087	
Cl8-BZ#205	MG/KG	0.00046	U	0.00046	U
Cl9-BZ#206	MG/KG	0.00034	J	0.0012	J
Cl9-BZ#207	MG/KG	0.00046	U	0.00046	U
Cl9-BZ#208	MG/KG	0.00046	UJ	0.00067	J
Cl10-BZ#209	MG/KG	0.00046	UJ	0.00039	J
Aroclor-1232	MG/KG	0.00046	U	0.00046	U
Aroclor-1242	MG/KG	0.00046	U	0.00046	U
Aroclor-1248	MG/KG	0.98		4.8	
Aroclor-1254	MG/KG	0.53		2.4	
Aroclor-1260	MG/KG	0.00046	U	0.00046	U

Table 3B Sample Data for Quahogs, Pre-Spawning (mg/kg wet weight) Area II 2007

	Sample#	NBH07-SF-B-2		NBH07-SF-C-2		NBH07-SF-D-2		NBH07-SF-F-2		NBH07-SF-G-2		NBH07-SF-H-2	
	Species	Quahogs		Quahogs		Quahogs		Quahogs		Quahogs		Quahogs	
	Area	II		II		II		II		II		II	
	Station	Station B		Station C		Station D		Station F		Station G		Station H	
Parameter	**Units**												
Lipids	PERCENT	0.34		0.57		0.37		0.38		0.26		0.46	
Total PCB Congeners[1]	MG/KG	0.092	J2	0.73	J3	0.16	J3	0.099	J2	0.082	J2	0.30	J3
Total PCB Congeners Hits[2]	MG/KG	0.075		0.72		0.15		0.083		0.064		0.29	
Total NOAA Congeners[3]	MG/KG	0.038	J3	0.32	J4	0.069	J3	0.040	J3	0.032	J3	0.13	J4
Total WHO Congeners[4]	MG/KG	0.0094	J2	0.052	J3	0.013	J2	0.0081	J2	0.0077	J2	0.024	J3
Total NOAA / WHO Combined[5]	MG/KG	0.040	J3	0.33	J4	0.072	J3	0.042	J3	0.034	J3	0.13	J3
Total Aroclors[6]	MG/KG	0.11	J4	0.95	J4	0.21	J4	0.12	J4	0.10	J4	0.41	J4
Cl1-BZ#1	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl1-BZ#3	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl2-BZ#4/#10	MG/KG	0.00093	U	0.0013		0.00091	U	0.0009	U	0.00094	U	0.00089	U
Cl2-BZ#5/#8	MG/KG	0.00093	U	0.0022		0.00091	U	0.0009	U	0.00094	U	0.00089	U
Cl2-BZ#6	MG/KG	0.00047	U	0.0012		0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl2-BZ#7	MG/KG	0.00047	U	0.00032	J	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl2-BZ#12/#13	MG/KG	0.00093	UJ	0.0020	J	0.00091	UJ	0.0009	UJ	0.00094	UJ	0.00089	UJ
Cl2-BZ#15	MG/KG	0.00047	U	0.0028		0.00056		0.00033	J	0.00047	U	0.00079	
Cl3-BZ#16/#32	MG/KG	0.00093	U	0.0077		0.0011		0.00058	J	0.00094	U	0.002	
Cl3-BZ#17	MG/KG	0.00023	J	0.0058		0.00071		0.00038	J	0.00047	U	0.0017	
Cl3-BZ#18	MG/KG	0.00079		0.015		0.0019		0.0012		0.00055		0.0046	
Cl3-BZ#19	MG/KG	0.00047	U	0.00087		0.00046	U	0.00045	U	0.00047	U	0.00023	J
Cl3-BZ#21/#33	MG/KG	0.00093	U	0.0043		0.00074	J	0.0009	U	0.00094	U	0.0012	
Cl3-BZ#22	MG/KG	0.00029	J	0.0047		0.00084		0.0005		0.00032	J	0.0015	
Cl3-BZ#24/#27	MG/KG	0.00093	U	0.0021		0.00091	U	0.0009	U	0.00094	U	0.00064	J
Cl3-BZ#25	MG/KG	0.0006		0.011		0.0022		0.0011		0.00065		0.004	
Cl3-BZ#26	MG/KG	0.0011		0.021		0.0042		0.0022		0.001		0.0076	
Cl3-BZ#28/#31	MG/KG	0.0033		0.066		0.013		0.0072		0.003		0.021	
Cl3-BZ#29	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl3-BZ#37	MG/KG	0.00028	J	0.0034		0.00073		0.00042	J	0.00047	U	0.001	
Cl4-BZ#40	MG/KG	0.00047	U	0.0032		0.00066		0.00042	J	0.00047	U	0.0012	
Cl4-BZ#41/#71	MG/KG	0.00073	J	0.014		0.0025		0.0013		0.00081	J	0.0047	
Cl4-BZ#42	MG/KG	0.00047		0.005		0.001		0.00057		0.00041	J	0.0021	
Cl4-BZ#43/#49	MG/KG	0.0031		0.045		0.0086		0.0047		0.003		0.017	
Cl4-BZ#44	MG/KG	0.0013		0.015		0.0029		0.0016		0.0012		0.0061	
Cl4-BZ#45	MG/KG	0.00047	U	0.0015		0.00046	U	0.00045	U	0.00047	U	0.00048	
Cl4-BZ#46	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl4-BZ#47/#48	MG/KG	0.0017		0.021		0.0047		0.0026		0.0016		0.0077	
Cl4-BZ#50	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl4-BZ#51	MG/KG	0.00047	U	0.0016		0.00046	U	0.00045	U	0.00047	U	0.00038	J
Cl4-BZ#52	MG/KG	0.0038		0.054		0.011		0.0061		0.0037		0.02	
Cl4-BZ#53	MG/KG	0.00047	U	0.0036		0.00049		0.00028	J	0.00047	U	0.0012	
Cl4-BZ#54	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl4-BZ#56/#60	MG/KG	0.00074	J	0.0086		0.0017		0.00096		0.00072	J	0.0028	
Cl4-BZ#63	MG/KG	0.00046	J	0.0017		0.00061		0.00081		0.00027	J	0.00067	
Cl4-BZ#64	MG/KG	0.00058		0.0082		0.0016		0.00087		0.0006		0.003	
Cl4-BZ#66	MG/KG	0.0024		0.02		0.0043		0.0025		0.0019		0.0069	
Cl4-BZ#70	MG/KG	0.002		0.018		0.0035		0.0022		0.0016		0.0063	
Cl4-BZ#74	MG/KG	0.0011		0.013		0.0029		0.0015		0.00088		0.0043	
Cl4-BZ#76	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl4-BZ#77	MG/KG	0.00038	J	0.0022		0.00067		0.0004	J	0.00034	J	0.001	
Cl4-BZ#81	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl5-BZ#82	MG/KG	0.00047	U	0.0015		0.00027	J	0.00045	U	0.00047	U	0.00061	
Cl5-BZ#83	MG/KG	0.00035	J	0.0018		0.00049		0.00029	J	0.00024	J	0.00094	
Cl5-BZ#85	MG/KG	0.00061		0.0034		0.00071		0.00048		0.00044	J	0.0014	
Cl5-BZ#87	MG/KG	0.00097		0.008		0.0015		0.00091		0.00082		0.0035	
Cl5-BZ#89	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl5-BZ#91	MG/KG	0.00066		0.0076		0.0015		0.00078		0.00067		0.0031	
Cl5-BZ#92	MG/KG	0.0013		0.0082		0.0021		0.0012		0.0011		0.004	
Cl5-BZ#95	MG/KG	0.0017		0.016		0.0032		0.0018		0.0016		0.007	
Cl5-BZ#97	MG/KG	0.0011		0.0086		0.0017		0.0011		0.001		0.0039	
Cl5-BZ#99	MG/KG	0.0045		0.029		0.0074		0.0041		0.0037		0.013	
Cl5-BZ#100	MG/KG	0.00047	U	0.00097		0.00027	J	0.00045	U	0.00047	U	0.00039	J
Cl5-BZ#101/#84	MG/KG	0.0056		0.038		0.0085		0.0049		0.0046		0.017	
Cl5-BZ#104	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl5-BZ#105	MG/KG	0.00098		0.0069		0.0014		0.00083		0.00073		0.0028	
Cl5-BZ#107	MG/KG	0.00079		0.0035		0.0011		0.00065		0.00068		0.0019	
Cl5-BZ#110	MG/KG	0.0039		0.033		0.0068		0.0036		0.0037		0.015	
Cl5-BZ#114	MG/KG	0.00047	U	0.00056		0.00046	U	0.00045	U	0.00047	U	0.00045	U

Table 3B Sample Data for Quahogs, Pre-Spawning (mg/kg wet weight) Area II 2007

	Sample#	NBH07-SF-B-2		NBH07-SF-C-2		NBH07-SF-D-2		NBH07-SF-F-2		NBH07-SF-G-2		NBH07-SF-H-2	
Cl5-BZ#118	MG/KG	0.005		0.032		0.0073		0.0042		0.0039		0.014	
Cl5-BZ#119	MG/KG	0.00041	J	0.0035		0.00082		0.00047		0.0004	J	0.0014	
Cl5-BZ#123	MG/KG	0.00047	U	0.0016		0.00037	J	0.00023	J	0.00023	J	0.00074	
Cl5-BZ#124	MG/KG	0.00047	U	0.0011		0.00027	J	0.00045	U	0.00047	U	0.00049	
Cl5-BZ#126	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl6-BZ#129	MG/KG	0.00047	U	0.0006		0.00046	U	0.00045	U	0.00047	U	0.00031	J
Cl6-BZ#130	MG/KG	0.00038	J	0.0018		0.00042	J	0.00031	J	0.00029	J	0.001	
Cl6-BZ#131	MG/KG	0.00093	U	0.00092	U	0.00091	U	0.0009	U	0.00094	U	0.00089	U
Cl6-BZ#132/#168	MG/KG	0.00082	J	0.0043		0.00088	J	0.00052	J	0.0007	J	0.0026	
Cl6-BZ#134	MG/KG	0.00036	J	0.002		0.00052		0.00025	J	0.00029	J	0.0011	
Cl6-BZ#135/#144	MG/KG	0.00075	J	0.0039		0.0011		0.00065	J	0.0006	J	0.0022	
Cl6-BZ#136	MG/KG	0.00027	J	0.0024		0.00044	J	0.00024	J	0.00028	J	0.0011	
Cl6-BZ#137	MG/KG	0.00023	J	0.0016		0.00048		0.00045	U	0.00024	J	0.00073	
Cl6-BZ#138/#163	MG/KG	0.0046		0.024		0.006		0.0036		0.0041		0.013	
Cl6-BZ#141	MG/KG	0.00023	J	0.0017		0.00036	J	0.00045	U	0.00047	U	0.00081	
Cl6-BZ#146	MG/KG	0.0013		0.0063		0.0018		0.0011		0.0011		0.0034	
Cl6-BZ#147	MG/KG	0.00028	J	0.0019		0.00054		0.00024	J	0.00023	J	0.00086	
Cl6-BZ#149	MG/KG	0.0025		0.018		0.0041		0.0022		0.0023		0.0089	
Cl6-BZ#151	MG/KG	0.00038	J	0.0025		0.00061		0.00032	J	0.00028	J	0.0012	
Cl6-BZ#153	MG/KG	0.0058		0.029		0.0079		0.0045		0.0046		0.015	
Cl6-BZ#154	MG/KG	0.00047	U	0.0012		0.0003	J	0.00045	U	0.00047	U	0.00043	J
Cl6-BZ#155	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl6-BZ#156	MG/KG	0.00036	J	0.0024		0.00057		0.00031	J	0.00032	J	0.0012	
Cl6-BZ#157	MG/KG	0.00047	U	0.00057		0.00046	U	0.00045	U	0.00047	U	0.00033	J
Cl6-BZ#158	MG/KG	0.00023	J	0.0016		0.00033	J	0.00045	U	0.00047	U	0.0007	
Cl6-BZ#167/#128	MG/KG	0.001		0.0051		0.0011		0.00079	J	0.0008	J	0.0025	
Cl6-BZ#169	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl7-BZ#170/#190	MG/KG	0.00093	U	0.0019		0.00091	U	0.0009	U	0.00094	U	0.00091	
Cl7-BZ#171	MG/KG	0.00047	U	0.00035	J	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl7-BZ#172	MG/KG	0.00047	U	0.00048		0.00046	U	0.00045	U	0.00047	U	0.00028	J
Cl7-BZ#173	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl7-BZ#174	MG/KG	0.00028	J	0.0011		0.00027	J	0.00022	J	0.00028	J	0.00066	
Cl7-BZ#175	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl7-BZ#176	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl7-BZ#177	MG/KG	0.00034	J	0.0014		0.00044	J	0.00027	J	0.00034	J	0.00084	
Cl7-BZ#178	MG/KG	0.00047	U	0.00063		0.00046	U	0.00045	U	0.00047	U	0.00037	J
Cl7-BZ#180	MG/KG	0.00077		0.0038		0.0009		0.00051		0.00059		0.002	
Cl7-BZ#182/#187	MG/KG	0.00081	J	0.004		0.0011		0.00069	J	0.0007	J	0.0022	
Cl7-BZ#183	MG/KG	0.00047	U	0.00076		0.00023	J	0.00045	U	0.00047	U	0.00047	
Cl7-BZ#184	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl7-BZ#185	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl7-BZ#188	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl7-BZ#189	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl7-BZ#191	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl7-BZ#193	MG/KG	0.00047	U	0.00034	J	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl8-BZ#194	MG/KG	0.00047	U	0.0007		0.00046	U	0.00045	U	0.00047	U	0.00041	J
Cl8-BZ#195	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl8-BZ#196/203	MG/KG	0.00093	U	0.00052	J	0.00091	U	0.0009	U	0.00094	U	0.00089	U
Cl8-BZ#197	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl8-BZ#199	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl8-BZ#200	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl8-BZ#201	MG/KG	0.00047	U	0.00061		0.00046	U	0.00045	U	0.00047	U	0.00036	J
Cl8-BZ#202	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl8-BZ#205	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl9-BZ#206	MG/KG	0.00047	UJ	0.00044	J	0.00046	UJ	0.00045	UJ	0.00047	UJ	0.00045	UJ
Cl9-BZ#207	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Cl9-BZ#208	MG/KG	0.00047	UJ	0.00046	UJ	0.00046	UJ	0.00045	UJ	0.00047	UJ	0.00045	UJ
Cl10-BZ#209	MG/KG	0.00047	UJ	0.00046	UJ	0.00046	UJ	0.00045	UJ	0.00047	UJ	0.00045	UJ
Aroclor-1232	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Aroclor-1242	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U
Aroclor-1248	MG/KG	0.038		0.51		0.099		0.055		0.036		0.19	
Aroclor-1254	MG/KG	0.074		0.44		0.11		0.061		0.062		0.22	
Aroclor-1260	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00045	U

Table 3C Sample Data for Quahogs, Pre-Spawning (mg/kg wet weight) Area III 2007

	Sample#	NBH07-SF-B-3		NBH07-SF-C-3		NBH07-SF-D-3		NBH07-SF-E-3		NBH07-SF-F-3	
	Species	Quahogs		Quahogs		Quahogs		Quahogs		Quahogs	
	Area	III		III		III		III		III	
	Station	Station B		Station C		Station D		Station E		Station F	
Parameter	**Units**										
Lipids	PERCENT	0.81		0.42		0.40		0.36		0.28	
Total PCB Congeners[1]	MG/KG	0.11	J2	0.059	J2	0.055	J2	0.033	J1	0.082	J2
Total PCB Congeners Hits[2]	MG/KG	0.10		0.036		0.029		0.00036		0.0638	
Total NOAA Congeners[3]	MG/KG	0.048	J3	0.020	J2	0.017	J2	0.0056	U	0.0314	J3
Total WHO Congeners[4]	MG/KG	0.012	J2	0.0044	J1	0.0042	J1	0.0031	U	0.0078	J2
Total NOAA / WHO Combined[5]	MG/KG	0.051	J3	0.022	J2	0.019	J2	0.0078	U	0.0337	J3
Total Aroclors[6]	MG/KG	0.14	J4	0.042	J3	0.037	J3	0.00024	U	0.09072	J4
Cl1-BZ#1	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl1-BZ#3	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl2-BZ#4/#10	MG/KG	0.00086	U	0.00092	U	0.00095	U	0.00094	U	0.00095	U
Cl2-BZ#5/#8	MG/KG	0.00086	U	0.00092	U	0.00095	U	0.00094	U	0.00095	U
Cl2-BZ#6	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl2-BZ#7	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl2-BZ#12/#13	MG/KG	0.00086	UJ	0.00092	UJ	0.00095	UJ	0.00094	UJ	0.00095	UJ
Cl2-BZ#15	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl3-BZ#16/#32	MG/KG	0.00045	J	0.00092	U	0.00095	U	0.00094	U	0.00095	U
Cl3-BZ#17	MG/KG	0.00033	J	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl3-BZ#18	MG/KG	0.00074		0.00052		0.00053		0.00047	U	0.00054	
Cl3-BZ#19	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl3-BZ#21/#33	MG/KG	0.00046	J	0.00092	U	0.00095	U	0.00094	U	0.00095	U
Cl3-BZ#22	MG/KG	0.00039	J	0.00024	J	0.00047	U	0.00047	U	0.00025	J
Cl3-BZ#24/#27	MG/KG	0.00086	U	0.00092	U	0.00095	U	0.00094	U	0.00095	U
Cl3-BZ#25	MG/KG	0.00052		0.00054		0.00042	J	0.00047	U	0.00049	
Cl3-BZ#26	MG/KG	0.0010		0.00073		0.00073		0.00047	U	0.00084	
Cl3-BZ#28/#31	MG/KG	0.0041		0.0022		0.0022		0.00094	U	0.0026	
Cl3-BZ#29	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl3-BZ#37	MG/KG	0.00039	J	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl4-BZ#40	MG/KG	0.00043		0.00046	U	0.00047	U	0.00047	U	0.0004	J
Cl4-BZ#41/#71	MG/KG	0.0012		0.00058	J	0.00095	U	0.00094	U	0.00078	J
Cl4-BZ#42	MG/KG	0.00052		0.00028	J	0.00026	J	0.00047	U	0.00043	J
Cl4-BZ#43/#49	MG/KG	0.0034		0.0019		0.0019		0.00094	U	0.0024	
Cl4-BZ#44	MG/KG	0.0016		0.00066		0.00066		0.00047	U	0.0011	
Cl4-BZ#45	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl4-BZ#46	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl4-BZ#47/#48	MG/KG	0.0022		0.0010		0.0010		0.00094	U	0.0014	
Cl4-BZ#50	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl4-BZ#51	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl4-BZ#52	MG/KG	0.0044		0.0022		0.0021		0.00047	U	0.0031	
Cl4-BZ#53	MG/KG	0.00021	J	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl4-BZ#54	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl4-BZ#56/#60	MG/KG	0.0011		0.00047	J	0.00095	U	0.00094	U	0.00062	J
Cl4-BZ#63	MG/KG	0.00032	J	0.00023	J	0.00024	J	0.00036	J	0.00032	J
Cl4-BZ#64	MG/KG	0.00066		0.00035	J	0.0004	J	0.00047	U	0.0005	
Cl4-BZ#66	MG/KG	0.0032		0.0012		0.0011		0.00047	U	0.002	
Cl4-BZ#70	MG/KG	0.0024		0.0011		0.00089		0.00047	U	0.0015	
Cl4-BZ#74	MG/KG	0.0015		0.00065		0.00058		0.00047	U	0.00089	
Cl4-BZ#76	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl4-BZ#77	MG/KG	0.00041	J	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl4-BZ#81	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl5-BZ#82	MG/KG	0.00032	J	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl5-BZ#83	MG/KG	0.00043		0.00024	J	0.00047	U	0.00047	U	0.0003	J
Cl5-BZ#85	MG/KG	0.001		0.00032	J	0.00032	J	0.00047	U	0.00057	
Cl5-BZ#87	MG/KG	0.0014		0.00052		0.00042	J	0.00047	U	0.00092	
Cl5-BZ#89	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl5-BZ#91	MG/KG	0.00075		0.0004	J	0.00039	J	0.00047	U	0.00061	
Cl5-BZ#92	MG/KG	0.0016		0.00071		0.00068		0.00047	U	0.0011	
Cl5-BZ#95	MG/KG	0.0024		0.00094		0.00088		0.00047	U	0.0035	
Cl5-BZ#97	MG/KG	0.0017		0.00063		0.00057		0.00047	U	0.00098	
Cl5-BZ#99	MG/KG	0.0058		0.0024		0.0023		0.00047	U	0.0034	
Cl5-BZ#100	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl5-BZ#101/#84	MG/KG	0.007		0.0028		0.0025		0.00094	U	0.0045	
Cl5-BZ#104	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl5-BZ#105	MG/KG	0.0017		0.00048		0.00047		0.00047	U	0.00095	
Cl5-BZ#107	MG/KG	0.0011		0.00048		0.00038	J	0.00047	U	0.00061	
Cl5-BZ#110	MG/KG	0.0053		0.002		0.0018		0.00047	U	0.0034	
Cl5-BZ#114	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U

Table 3C Sample Data for Quahogs, Pre-Spawning (mg/kg wet weight) Area III 2007

	Sample#	NBH07-SF-B-3		NBH07-SF-C-3		NBH07-SF-D-3		NBH07-SF-E-3		NBH07-SF-F-3	
Cl5-BZ#118	MG/KG	0.0067		0.0025	U	0.0023	U	0.00047	U	0.0037	
Cl5-BZ#119	MG/KG	0.00044		0.00027	J	0.00024	J	0.00047	U	0.00031	J
Cl5-BZ#123	MG/KG	0.00026	J	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl5-BZ#124	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl5-BZ#126	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl6-BZ#129	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl6-BZ#130	MG/KG	0.00053		0.00046	U	0.00047	U	0.00047	U	0.00039	J
Cl6-BZ#131	MG/KG	0.00086	U	0.00092	U	0.00095	U	0.00094	U	0.00095	U
Cl6-BZ#132/#168	MG/KG	0.0013		0.00092	U	0.00095	U	0.00094	U	0.00079	J
Cl6-BZ#134	MG/KG	0.00047		0.00046	U	0.00047	U	0.00047	U	0.00033	J
Cl6-BZ#135/#144	MG/KG	0.00094		0.00092	U	0.00095	U	0.00094	U	0.00068	J
Cl6-BZ#136	MG/KG	0.00039	J	0.00046	U	0.00047	U	0.00047	U	0.00026	J
Cl6-BZ#137	MG/KG	0.00032	J	0.00046	U	0.00047	U	0.00047	U	0.00026	J
Cl6-BZ#138/#163	MG/KG	0.0069		0.0027		0.0023		0.00094	U	0.0051	
Cl6-BZ#141	MG/KG	0.00028	J	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl6-BZ#146	MG/KG	0.0018		0.00081	J	0.00068	J	0.00094	U	0.0011	
Cl6-BZ#147	MG/KG	0.00031	J	0.00046	U	0.00047	U	0.00047	U	0.00026	J
Cl6-BZ#149	MG/KG	0.0034		0.0014		0.0012		0.00047	U	0.0022	
Cl6-BZ#151	MG/KG	0.00063		0.00026	J	0.00047	U	0.00047	U	0.00033	J
Cl6-BZ#153	MG/KG	0.0072		0.0033		0.0029	U	0.00047	U	0.0041	
Cl6-BZ#154	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl6-BZ#155	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl6-BZ#156	MG/KG	0.00041	J	0.00046	U	0.00047	U	0.00047	U	0.00029	J
Cl6-BZ#157	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl6-BZ#158	MG/KG	0.0003	J	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl6-BZ#167/#128	MG/KG	0.0014		0.00059	J	0.00049	J	0.00094	U	0.00091	J
Cl6-BZ#169	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl7-BZ#170/#190	MG/KG	0.0005	J	0.00092	U	0.00095	U	0.00094	U	0.00095	U
Cl7-BZ#171	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl7-BZ#172	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl7-BZ#173	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl7-BZ#174	MG/KG	0.00034	J	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl7-BZ#175	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl7-BZ#176	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl7-BZ#177	MG/KG	0.00056		0.00046	U	0.00047	U	0.00047	U	0.00038	J
Cl7-BZ#178	MG/KG	0.00021	J	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl7-BZ#180	MG/KG	0.00087		0.00035	J	0.00032	J	0.00047	U	0.00067	
Cl7-BZ#182/#187	MG/KG	0.001		0.00092	U	0.00095	U	0.00094	U	0.00074	J
Cl7-BZ#183	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl7-BZ#184	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl7-BZ#185	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl7-BZ#188	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl7-BZ#189	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl7-BZ#191	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl7-BZ#193	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl8-BZ#194	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl8-BZ#195	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl8-BZ#196/203	MG/KG	0.00086	U	0.00092	U	0.00095	U	0.00094	U	0.00095	U
Cl8-BZ#197	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl8-BZ#199	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl8-BZ#200	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl8-BZ#201	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl8-BZ#202	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl8-BZ#205	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl9-BZ#206	MG/KG	0.00043	UJ	0.00046	UJ	0.00047	UJ	0.00047	UJ	0.00048	UJ
Cl9-BZ#207	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Cl9-BZ#208	MG/KG	0.00043	UJ	0.00046	UJ	0.00047	UJ	0.00047	UJ	0.00048	UJ
Cl10-BZ#209	MG/KG	0.00043	UJ	0.00046	UJ	0.00047	UJ	0.00047	UJ	0.00048	UJ
Aroclor-1232	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Aroclor-1242	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U
Aroclor-1248	MG/KG	0.045		0.00046	U	0.00047	U	0.00047	U	0.03	
Aroclor-1254	MG/KG	0.098		0.041		0.036		0.00047	U	0.06	
Aroclor-1260	MG/KG	0.00043	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U

Table 4A Sample Data for Quahog, Post-Spawning (mg/kg wet weight) Area I 2007

	Sample#	NBH07-SF-B-1		NBH07-SF-E-1	
	Species	Quahogs		Quahogs	
	Area	I		I	
	Station	Station B		Station E	
Parameter	**Units**				
Lipids	PERCENT	0.27		0.23	
Total PCB Congeners[1]	MG/KG	0.66	J3	3.8	J4
Total PCB Congeners Hits[2]	MG/KG	0.66		3.8	
Total NOAA Congeners[3]	MG/KG	0.29	J4	1.6	J4
Total WHO Congeners[4]	MG/KG	0.040	J3	0.15	J4
Total NOAA / WHO Combined[5]	MG/KG	0.29	J4	1.6	J4
Total Aroclors[6]	MG/KG	0.77	J3	4.1	J4
Cl1-BZ#1	MG/KG	0.00045	U	0.00024	J
Cl1-BZ#3	MG/KG	0.00045	U	0.0003	J
Cl2-BZ#4/#10	MG/KG	0.0014		0.013	
Cl2-BZ#5/#8	MG/KG	0.0026		0.041	
Cl2-BZ#6	MG/KG	0.0015		0.043	
Cl2-BZ#7	MG/KG	0.00036	J	0.0035	
Cl2-BZ#12/#13	MG/KG	0.002		0.022	
Cl2-BZ#15	MG/KG	0.0024		0.018	
Cl3-BZ#16/#32	MG/KG	0.0062		0.056	
Cl3-BZ#17	MG/KG	0.0057		0.053	
Cl3-BZ#18	MG/KG	0.014		0.12	
Cl3-BZ#19	MG/KG	0.00088		0.0082	
Cl3-BZ#21/#33	MG/KG	0.0038		0.025	
Cl3-BZ#22	MG/KG	0.0048		0.032	
Cl3-BZ#24/#27	MG/KG	0.0021		0.018	
Cl3-BZ#25	MG/KG	0.013		0.12	
Cl3-BZ#26	MG/KG	0.023		0.2	
Cl3-BZ#28/#31	MG/KG	0.068		0.47	
Cl3-BZ#29	MG/KG	0.00045	U	0.00045	U
Cl3-BZ#37	MG/KG	0.0027		0.012	
Cl4-BZ#40	MG/KG	0.0025		0.016	
Cl4-BZ#41/#71	MG/KG	0.014		0.087	
Cl4-BZ#42	MG/KG	0.005		0.034	
Cl4-BZ#43/#49	MG/KG	0.044		0.31	
Cl4-BZ#44	MG/KG	0.014		0.094	
Cl4-BZ#45	MG/KG	0.0015		0.011	
Cl4-BZ#46	MG/KG	0.0009		0.01	
Cl4-BZ#47/#48	MG/KG	0.021		0.12	
Cl4-BZ#50	MG/KG	0.00045	U	0.00071	
Cl4-BZ#51	MG/KG	0.001		0.01	
Cl4-BZ#52	MG/KG	0.051		0.32	
Cl4-BZ#53	MG/KG	0.0033		0.028	
Cl4-BZ#54	MG/KG	0.00045	U	0.00046	
Cl4-BZ#56/#60	MG/KG	0.0076		0.03	
Cl4-BZ#63	MG/KG	0.0016		0.0066	
Cl4-BZ#64	MG/KG	0.0065		0.046	
Cl4-BZ#66	MG/KG	0.018		0.068	
Cl4-BZ#70	MG/KG	0.014		0.057	
Cl4-BZ#74	MG/KG	0.014		0.059	
Cl4-BZ#76	MG/KG	0.00045	U	0.00045	U
Cl4-BZ#77	MG/KG	0.0017		0.0067	
Cl4-BZ#81	MG/KG	0.00027	J	0.0009	
Cl5-BZ#82	MG/KG	0.0014		0.0038	
Cl5-BZ#83	MG/KG	0.0018		0.0081	
Cl5-BZ#85	MG/KG	0.0027		0.0073	
Cl5-BZ#87	MG/KG	0.0067		0.023	
Cl5-BZ#89	MG/KG	0.00045	U	0.00045	U
Cl5-BZ#91	MG/KG	0.0065		0.048	
Cl5-BZ#92	MG/KG	0.008		0.035	
Cl5-BZ#95	MG/KG	0.015		0.088	
Cl5-BZ#97	MG/KG	0.0069		0.035	
Cl5-BZ#99	MG/KG	0.028		0.12	
Cl5-BZ#100	MG/KG	0.00089		0.0048	
Cl5-BZ#101/#84	MG/KG	0.035	J	0.16	J
Cl5-BZ#104	MG/KG	0.00045	U	0.00045	U
Cl5-BZ#105	MG/KG	0.0052		0.014	
Cl5-BZ#107	MG/KG	0.003		0.0089	
Cl5-BZ#110	MG/KG	0.024		0.13	
Cl5-BZ#114	MG/KG	0.00042	J	0.0017	

Prepared by: BJS
Checked by: JPC
Revised 9/14/09 JPC

Table 4A Sample Data for Quahog, Post-Spawning (mg/kg wet weight) Area I 2007

	Sample#	NBH07-SF-B-1		NBH07-SF-E-1	
Cl5-BZ#118	MG/KG	0.025		0.098	
Cl5-BZ#119	MG/KG	0.003		0.015	
Cl5-BZ#123	MG/KG	0.0012		0.0047	
Cl5-BZ#124	MG/KG	0.00092		0.0034	
Cl5-BZ#126	MG/KG	0.00045	U	0.00045	U
Cl6-BZ#129	MG/KG	0.00048		0.0016	
Cl6-BZ#130	MG/KG	0.0014		0.0035	
Cl6-BZ#131	MG/KG	0.00089	U	0.00074	J
Cl6-BZ#132/#168	MG/KG	0.0032		0.0084	
Cl6-BZ#134	MG/KG	0.0016		0.0075	
Cl6-BZ#135/#144	MG/KG	0.003		0.013	
Cl6-BZ#136	MG/KG	0.0017		0.01	
Cl6-BZ#137	MG/KG	0.0013		0.0038	
Cl6-BZ#138/#163	MG/KG	0.018		0.062	
Cl6-BZ#141	MG/KG	0.0013		0.0047	
Cl6-BZ#146	MG/KG	0.0054		0.017	
Cl6-BZ#147	MG/KG	0.0016		0.0076	
Cl6-BZ#149	MG/KG	0.016		0.079	
Cl6-BZ#151	MG/KG	0.0019		0.0099	
Cl6-BZ#153	MG/KG	0.024		0.082	
Cl6-BZ#154	MG/KG	0.00097		0.0049	
Cl6-BZ#155	MG/KG	0.00045	U	0.00045	U
Cl6-BZ#156	MG/KG	0.0016		0.0058	
Cl6-BZ#157	MG/KG	0.0004	J	0.00096	
Cl6-BZ#158	MG/KG	0.0013		0.0052	
Cl6-BZ#167/#128	MG/KG	0.0039		0.012	
Cl6-BZ#169	MG/KG	0.00045	U	0.00045	U
Cl7-BZ#170/#190	MG/KG	0.0014		0.0046	
Cl7-BZ#171	MG/KG	0.00035	J	0.001	
Cl7-BZ#172	MG/KG	0.00047		0.0011	
Cl7-BZ#173	MG/KG	0.00045	U	0.00024	J
Cl7-BZ#174	MG/KG	0.001		0.0035	
Cl7-BZ#175	MG/KG	0.00045	U	0.00026	J
Cl7-BZ#176	MG/KG	0.00045	U	0.00045	
Cl7-BZ#177	MG/KG	0.0011		0.003	
Cl7-BZ#178	MG/KG	0.00057		0.0019	
Cl7-BZ#180	MG/KG	0.0033		0.0096	
Cl7-BZ#182/#187	MG/KG	0.0035		0.012	
Cl7-BZ#183	MG/KG	0.00079		0.0023	
Cl7-BZ#184	MG/KG	0.00045	U	0.00045	U
Cl7-BZ#185	MG/KG	0.00045	U	0.00024	J
Cl7-BZ#188	MG/KG	0.00045	U	0.00045	U
Cl7-BZ#189	MG/KG	0.00045	U	0.00046	
Cl7-BZ#191	MG/KG	0.00045	U	0.00035	J
Cl7-BZ#193	MG/KG	0.00034	J	0.00079	
Cl8-BZ#194	MG/KG	0.00062		0.0018	
Cl8-BZ#195	MG/KG	0.00045	U	0.00054	
Cl8-BZ#196/203	MG/KG	0.00047	J	0.0016	
Cl8-BZ#197	MG/KG	0.00045	U	0.00045	U
Cl8-BZ#199	MG/KG	0.00045	U	0.00045	U
Cl8-BZ#200	MG/KG	0.00045	U	0.00023	J
Cl8-BZ#201	MG/KG	0.00051		0.0016	
Cl8-BZ#202	MG/KG	0.00023	J	0.00074	
Cl8-BZ#205	MG/KG	0.00045	U	0.00045	U
Cl9-BZ#206	MG/KG	0.00045	U	0.0012	
Cl9-BZ#207	MG/KG	0.00045	U	0.00045	U
Cl9-BZ#208	MG/KG	0.00045	U	0.00066	
Cl10-BZ#209	MG/KG	0.00045	U	0.00044	J
Aroclor-1232	MG/KG	0.0089	U	0.0089	U
Aroclor-1242	MG/KG	0.0089	U	0.0089	U
Aroclor-1248	MG/KG	0.44		2.8	
Aroclor-1254	MG/KG	0.32		1.3	
Aroclor-1260	MG/KG	0.0089	U	0.0089	U

Table 4B Sample Data for Quahogs, Post-Spawning (mg/kg weight wet) Area II 2007

	Sample#	NBH07-SF-B-2		NBH07-SF-C-2		NBH07-SF-D-2		NBH07-SF-F-2		NBH07-SF-G-2		NBH07-SF-H-2	
	Species	Quahogs		Quahogs		Quahogs		Quahogs		Quahogs		Quahogs	
	Area	II		II		II		II		II		II	
	Station	Station B		Station C		Station D		Station F		Station G		Station H	
Parameter	**Units**												
Lipids	PERCENT	0.16		0.15		0.20		0.22		0.14		0.36	
Total PCB Congeners[1]	MG/KG	0.062	J2	0.26	J3	0.14	J3	0.12	J2	0.082	J2	0.30	J3
Total PCB Congeners Hits[2]	MG/KG	0.044		0.25		0.13		0.11		0.064		0.29	
Total NOAA Congeners[3]	MG/KG	0.023	J3	0.11	J4	0.057	J3	0.051	J3	0.031	J3	0.13	J4
Total WHO Congeners[4]	MG/KG	0.0061	J2	0.018	J3	0.0095	J2	0.01	J2	0.0076	J2	0.023	J3
Total NOAA / WHO Combined[5]	MG/KG	0.025	J2	0.11	J3	0.059	J3	0.053	J3	0.033	J3	0.13	J3
Total Aroclors[6]	MG/KG	0.059	J2	0.31	J3	0.17	J3	0.15	J3	0.075	J2	0.37	J3
Cl1-BZ#1	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl1-BZ#3	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl2-BZ#4/#10	MG/KG	0.0009	U	0.00062	J	0.00085	U	0.00099	U	0.00097	U	0.00093	U
Cl2-BZ#5/#8	MG/KG	0.0009	U	0.0012		0.00085	U	0.00099	U	0.00097	U	0.00069	J
Cl2-BZ#6	MG/KG	0.00045	U	0.0007		0.00025	J	0.00049	U	0.00048	U	0.00042	J
Cl2-BZ#7	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl2-BZ#12/#13	MG/KG	0.0009	U	0.00055	J	0.00085	U	0.00099	U	0.00097	U	0.00052	J
Cl2-BZ#15	MG/KG	0.00045	U	0.00098		0.00036	J	0.00027	J	0.00048	U	0.00083	
Cl3-BZ#16/#32	MG/KG	0.0009	U	0.0025		0.0008	J	0.00052	J	0.00097	U	0.0019	
Cl3-BZ#17	MG/KG	0.00045	U	0.0021		0.00075		0.0004	J	0.00048	U	0.0016	
Cl3-BZ#18	MG/KG	0.0003	J	0.0055		0.0018		0.0013		0.00044	J	0.0041	
Cl3-BZ#19	MG/KG	0.00045	U	0.00048		0.00042	U	0.00049	U	0.00048	U	0.00029	J
Cl3-BZ#21/#33	MG/KG	0.0009	U	0.0016		0.00075	J	0.00054	J	0.00097	U	0.0015	
Cl3-BZ#22	MG/KG	0.00045	U	0.0016		0.00069		0.00051		0.00048	U	0.0015	
Cl3-BZ#24/#27	MG/KG	0.0009	U	0.00077	J	0.00085	U	0.00099	U	0.00097	U	0.00067	J
Cl3-BZ#25	MG/KG	0.00032	J	0.0036		0.0018		0.0012		0.0004	J	0.0036	
Cl3-BZ#26	MG/KG	0.00045		0.0072		0.0035		0.0024		0.00078		0.0073	
Cl3-BZ#28/#31	MG/KG	0.0016		0.021		0.0098		0.0071		0.0024		0.02	
Cl3-BZ#29	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl3-BZ#37	MG/KG	0.00045	U	0.00097		0.00042	J	0.00033	J	0.00048	U	0.00097	
Cl4-BZ#40	MG/KG	0.00045	U	0.00093		0.00065		0.00037	J	0.00024	J	0.0013	
Cl4-BZ#41/#71	MG/KG	0.0005	J	0.0049		0.0022		0.0014		0.00091	J	0.0052	
Cl4-BZ#42	MG/KG	0.00027	J	0.0018		0.0012		0.0006		0.00059		0.0021	
Cl4-BZ#43/#49	MG/KG	0.0019		0.016		0.0077		0.0059		0.0031		0.016	
Cl4-BZ#44	MG/KG	0.00073		0.0052		0.0026		0.0018		0.0011		0.0062	
Cl4-BZ#45	MG/KG	0.00045	U	0.00071		0.00025	J	0.00049	U	0.00048	U	0.00056	
Cl4-BZ#46	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl4-BZ#47/#48	MG/KG	0.00099		0.0068		0.0037		0.0032		0.0016		0.0076	
Cl4-BZ#50	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl4-BZ#51	MG/KG	0.00045	U	0.00044	J	0.00042	U	0.00049	U	0.00048	U	0.00033	J
Cl4-BZ#52	MG/KG	0.0023		0.02		0.01		0.0071		0.0033		0.02	
Cl4-BZ#53	MG/KG	0.00045	U	0.0014		0.00052		0.0004	J	0.00048	U	0.0012	
Cl4-BZ#54	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl4-BZ#56/#60	MG/KG	0.00047	J	0.0028		0.0014		0.0011		0.00057	J	0.0028	
Cl4-BZ#63	MG/KG	0.00039	J	0.00064		0.00051		0.00042	J	0.0003	J	0.00079	
Cl4-BZ#64	MG/KG	0.00028	J	0.0024		0.0012		0.00099		0.00051		0.0026	
Cl4-BZ#66	MG/KG	0.0014		0.0062		0.0034		0.0029		0.002		0.0075	
Cl4-BZ#70	MG/KG	0.001		0.0053		0.0027		0.0024		0.0014		0.0059	
Cl4-BZ#74	MG/KG	0.00063		0.0044		0.0022		0.002		0.00094		0.0048	
Cl4-BZ#76	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl4-BZ#77	MG/KG	0.00045	U	0.00069		0.0004	J	0.00041	J	0.00025	J	0.00082	
Cl4-BZ#81	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl5-BZ#82	MG/KG	0.00045	U	0.0008		0.00039	J	0.00032	J	0.00048	U	0.00071	
Cl5-BZ#83	MG/KG	0.00023	J	0.00086		0.00052		0.00048	J	0.00041	J	0.001	
Cl5-BZ#85	MG/KG	0.00038	J	0.0011		0.00073		0.00048	J	0.00048		0.0018	
Cl5-BZ#87	MG/KG	0.00065		0.0028		0.0017		0.0013		0.00091		0.0041	
Cl5-BZ#89	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl5-BZ#91	MG/KG	0.00042	J	0.0027		0.0013		0.001		0.00078		0.0029	
Cl5-BZ#92	MG/KG	0.00094		0.0032		0.0021		0.0018		0.0013		0.0048	
Cl5-BZ#95	MG/KG	0.0012		0.0067		0.0035		0.0028		0.0019		0.0081	
Cl5-BZ#97	MG/KG	0.00072		0.003		0.0016		0.0014		0.00099		0.0038	
Cl5-BZ#99	MG/KG	0.0027		0.01		0.006		0.0064		0.0041		0.014	
Cl5-BZ#100	MG/KG	0.00045	U	0.00036	J	0.00025	J	0.00049	U	0.00048	U	0.00043	J
Cl5-BZ#101/#84	MG/KG	0.0036	J	0.014	J	0.008	J	0.0071	J	0.005	J	0.019	J
Cl5-BZ#104	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl5-BZ#105	MG/KG	0.00066		0.0023		0.0011		0.00092		0.00074		0.003	
Cl5-BZ#107	MG/KG	0.0005		0.0013		0.00087		0.00091		0.00071		0.0019	

Prepared by: BJS
Checked by: JPC
Revised 9/14/09 JPC

Table 4B Sample Data for Quahogs, Post-Spawning (mg/kg weight wet) Area II 2007

	Sample#	NBH07-SF-B-2		NBH07-SF-C-2		NBH07-SF-D-2		NBH07-SF-F-2		NBH07-SF-G-2		NBH07-SF-H-2	
Cl5-BZ#110	MG/KG	0.002		0.01		0.0051		0.0043		0.0032		0.013	
Cl5-BZ#114	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl5-BZ#118	MG/KG	0.0027		0.01		0.0051		0.0056		0.0038		0.013	
Cl5-BZ#119	MG/KG	0.00025	J	0.0012		0.00068		0.00071		0.00039	J	0.0015	
Cl5-BZ#123	MG/KG	0.00045	U	0.00051		0.00035	J	0.00049	U	0.00048	U	0.00067	
Cl5-BZ#124	MG/KG	0.00045	U	0.00045	J	0.00042	U	0.00049	U	0.00048	U	0.00047	
Cl5-BZ#126	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl6-BZ#129	MG/KG	0.00045	U	0.00027	J	0.00042	U	0.00049	U	0.00048	U	0.00031	J
Cl6-BZ#130	MG/KG	0.00027	J	0.00066		0.00045		0.00042	J	0.00038	J	0.001	
Cl6-BZ#131	MG/KG	0.0009	U	0.00093	U	0.00085	U	0.00099	U	0.00097	U	0.00093	U
Cl6-BZ#132/#168	MG/KG	0.00058	J	0.0017		0.00091		0.0007	J	0.00074	J	0.0023	
Cl6-BZ#134	MG/KG	0.00028	J	0.00079		0.00047		0.00046	J	0.00033	J	0.0011	
Cl6-BZ#135/#144	MG/KG	0.00045	J	0.0015		0.00083	J	0.00077	J	0.00061	J	0.002	
Cl6-BZ#136	MG/KG	0.00045	U	0.0009		0.00042		0.00037	J	0.0003	J	0.0011	
Cl6-BZ#137	MG/KG	0.00045	U	0.00057		0.00031	J	0.00032	J	0.00048	U	0.00067	
Cl6-BZ#138/#163	MG/KG	0.0029		0.0088		0.005		0.0047		0.0038		0.012	
Cl6-BZ#141	MG/KG	0.00045	U	0.0006		0.00036	J	0.00026	J	0.00048	U	0.00089	
Cl6-BZ#146	MG/KG	0.00091		0.0024		0.0015		0.0018		0.0012		0.0035	
Cl6-BZ#147	MG/KG	0.00045	U	0.00071		0.0004	J	0.00041	J	0.00025	J	0.00093	
Cl6-BZ#149	MG/KG	0.0017		0.0069		0.0036		0.0035		0.0024		0.0093	
Cl6-BZ#151	MG/KG	0.00032	J	0.00096		0.00057		0.00046	J	0.00035	J	0.0012	
Cl6-BZ#153	MG/KG	0.0034		0.01		0.0059		0.0075		0.0046		0.015	
Cl6-BZ#154	MG/KG	0.00045	U	0.00038	J	0.00042	U	0.00027	J	0.00048	U	0.0005	
Cl6-BZ#155	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl6-BZ#156	MG/KG	0.00023	J	0.0009		0.00037	J	0.00035	J	0.00032	J	0.0011	
Cl6-BZ#157	MG/KG	0.00045	U	0.00023	J	0.00042	U	0.00049	U	0.00048	U	0.0003	J
Cl6-BZ#158	MG/KG	0.00045	U	0.00053		0.00024	J	0.00049	U	0.00048	U	0.0008	
Cl6-BZ#167/#128	MG/KG	0.00067	J	0.0018		0.00096		0.001		0.00077	J	0.0026	
Cl6-BZ#169	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl7-BZ#170/#190	MG/KG	0.0009	U	0.00067	J	0.00085	U	0.00099	U	0.00097	U	0.00098	
Cl7-BZ#171	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00026	J
Cl7-BZ#172	MG/KG	0.00045	U	0.00024	J	0.00042	U	0.00049	U	0.00048	U	0.00033	J
Cl7-BZ#173	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl7-BZ#174	MG/KG	0.00022	J	0.00056		0.00034	J	0.00044	J	0.00025	J	0.00074	
Cl7-BZ#175	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl7-BZ#176	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl7-BZ#177	MG/KG	0.00034	J	0.00073		0.00037	J	0.00042	J	0.00033	J	0.00085	
Cl7-BZ#178	MG/KG	0.00045	U	0.00035	J	0.00026	J	0.00028	J	0.00048	U	0.00044	J
Cl7-BZ#180	MG/KG	0.00054		0.0016		0.00081		0.00082		0.00067		0.0021	
Cl7-BZ#182/#187	MG/KG	0.00054	J	0.0016		0.00097		0.0012		0.00072	J	0.0022	
Cl7-BZ#183	MG/KG	0.00045	U	0.00037	J	0.00023	J	0.00029	J	0.00048	U	0.00041	J
Cl7-BZ#184	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl7-BZ#185	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl7-BZ#188	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl7-BZ#189	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl7-BZ#191	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl7-BZ#193	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl8-BZ#194	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl8-BZ#195	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl8-BZ#196/203	MG/KG	0.0009	U	0.00093	U	0.00085	U	0.00099	U	0.00097	U	0.00093	U
Cl8-BZ#197	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl8-BZ#199	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl8-BZ#200	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl8-BZ#201	MG/KG	0.00045	U	0.0003	J	0.00042	U	0.00049	U	0.00048	U	0.00041	J
Cl8-BZ#202	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl8-BZ#205	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl9-BZ#206	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl9-BZ#207	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl9-BZ#208	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Cl10-BZ#209	MG/KG	0.00045	U	0.00047	U	0.00042	U	0.00049	U	0.00048	U	0.00047	U
Aroclor-1232	MG/KG	0.009	U	0.0094	U	0.0085	U	0.0099	U	0.0097	U	0.0094	U
Aroclor-1242	MG/KG	0.009	U	0.0094	U	0.0085	U	0.0099	U	0.0097	U	0.0094	U
Aroclor-1248	MG/KG	0.009	U	0.16		0.078		0.058		0.0097	U	0.17	
Aroclor-1254	MG/KG	0.041		0.14		0.076		0.08		0.056		0.19	
Aroclor-1260	MG/KG	0.009	U	0.0094	U	0.0085	U	0.0099	U	0.0097	U	0.0094	U

Prepared by: BJS
Checked by: JPC
Revised 9/14/09 JPC

Table 4C Sample Data for Quahogs, Post-Spawning (mg/kg wet weight) Area III 2007

	Sample#	NBH07-SF-B-3		NBH07-SF-C-3		NBH07-SF-D-3		NBH07-SF-E-3		NBH07-SF-F-3	
	Species	Quahogs		Quahogs		Quahogs		Quahogs		Quahogs	
	Area	III		III		III		III		III	
	Station	Station B		Station C		Station D		Station E		Station F	
Parameter	**Units**										
Lipids	PERCENT	0.30		0.22		0.36		0.47		0.18	
Total PCB Congeners[1]	MG/KG	0.073	J2	0.045	J2	0.050	J2	0.12	J2	0.065	J2
Total PCB Congeners Hits[2]	MG/KG	0.055		0.023		0.029		0.11		0.046	
Total NOAA Congeners[3]	MG/KG	0.028	J3	0.014	J2	0.017	J3	0.049	J3	0.024	J3
Total WHO Congeners[4]	MG/KG	0.0071	J2	0.0043	J1	0.0047	J2	0.011	J2	0.0065	J2
Total NOAA / WHO Combined[5]	MG/KG	0.030	J3	0.016	J2	0.019	J2	0.052	J3	0.026	J2
Total Aroclors[6]	MG/KG	0.067	J2	0.0043	U	0.0042	U	0.12	J2	0.059	J2
Cl1-BZ#1	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl1-BZ#3	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl2-BZ#4/#10	MG/KG	0.00088	U	0.00086	U	0.00084	U	0.00091	U	0.0009	U
Cl2-BZ#5/#8	MG/KG	0.00088	U	0.00086	U	0.00084	U	0.00091	U	0.0009	U
Cl2-BZ#6	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl2-BZ#7	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl2-BZ#12/#13	MG/KG	0.00088	U	0.00086	U	0.00084	U	0.00091	U	0.0009	U
Cl2-BZ#15	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl3-BZ#16/#32	MG/KG	0.00088	U	0.00086	U	0.00084	U	0.00091	U	0.0009	U
Cl3-BZ#17	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00026	J	0.00045	U
Cl3-BZ#18	MG/KG	0.00034	J	0.00043	U	0.00026	J	0.00057		0.00032	J
Cl3-BZ#19	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl3-BZ#21/#33	MG/KG	0.00088	U	0.00086	U	0.00084	U	0.00046	J	0.0009	U
Cl3-BZ#22	MG/KG	0.00022	J	0.00043	U	0.00042	U	0.00026	J	0.00045	U
Cl3-BZ#24/#27	MG/KG	0.00088	U	0.00086	U	0.00084	U	0.00091	U	0.0009	U
Cl3-BZ#25	MG/KG	0.00027	J	0.00022	J	0.00021	J	0.00046		0.00025	J
Cl3-BZ#26	MG/KG	0.00049		0.00031	J	0.00041	J	0.00092		0.00047	
Cl3-BZ#28/#31	MG/KG	0.0022		0.001		0.0014		0.0024		0.0016	
Cl3-BZ#29	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl3-BZ#37	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl4-BZ#40	MG/KG	0.00024	J	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl4-BZ#41/#71	MG/KG	0.00079	J	0.00086	U	0.00084	U	0.0011		0.00059	J
Cl4-BZ#42	MG/KG	0.00036	J	0.00025	J	0.00023	J	0.00065		0.00036	J
Cl4-BZ#43/#49	MG/KG	0.0021		0.0013		0.0015		0.0039		0.0018	
Cl4-BZ#44	MG/KG	0.00089		0.00046		0.00046		0.0013		0.00086	
Cl4-BZ#45	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl4-BZ#46	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl4-BZ#47/#48	MG/KG	0.0013		0.0007	J	0.00089		0.0019		0.001	
Cl4-BZ#50	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl4-BZ#51	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl4-BZ#52	MG/KG	0.0028		0.0014		0.0018		0.0045		0.0021	
Cl4-BZ#53	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00031	J	0.00045	U
Cl4-BZ#54	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl4-BZ#56/#60	MG/KG	0.00066	J	0.00086	U	0.00084	U	0.00076	J	0.0005	J
Cl4-BZ#63	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00028	J	0.00024	J
Cl4-BZ#64	MG/KG	0.00042	J	0.00043	U	0.00042	U	0.0007		0.00033	J
Cl4-BZ#66	MG/KG	0.0019		0.00077		0.00098		0.0025		0.0015	
Cl4-BZ#70	MG/KG	0.0013		0.00053		0.00069		0.0017		0.0012	
Cl4-BZ#74	MG/KG	0.00092		0.00046		0.00053		0.0011		0.00071	
Cl4-BZ#76	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl4-BZ#77	MG/KG	0.00024	J	0.00043	U	0.00042	U	0.00031	J	0.00045	U
Cl4-BZ#81	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl5-BZ#82	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00036	J	0.00045	U
Cl5-BZ#83	MG/KG	0.00026	J	0.00043	U	0.00042	U	0.00056		0.0003	J
Cl5-BZ#85	MG/KG	0.00057		0.00029	J	0.00029	J	0.00094		0.00051	
Cl5-BZ#87	MG/KG	0.00083		0.00043	U	0.00041	J	0.0016		0.00086	
Cl5-BZ#89	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl5-BZ#91	MG/KG	0.00043	J	0.00027	J	0.0003	J	0.001		0.00047	
Cl5-BZ#92	MG/KG	0.0012		0.00049		0.00063		0.0024		0.00095	
Cl5-BZ#95	MG/KG	0.0017		0.00066		0.00083		0.003		0.0013	
Cl5-BZ#97	MG/KG	0.00087		0.00041	J	0.00049		0.0016		0.00091	
Cl5-BZ#99	MG/KG	0.0036		0.0016		0.0022		0.0066		0.0028	
Cl5-BZ#100	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl5-BZ#101/#84	MG/KG	0.0044	J	0.0021	J	0.0024	J	0.0087	J	0.0038	J
Cl5-BZ#104	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl5-BZ#105	MG/KG	0.00091		0.00033	J	0.00038	J	0.0012		0.00072	
Cl5-BZ#107	MG/KG	0.00065		0.00033	J	0.00043		0.0012		0.00054	

Prepared by: BJS
Checked by: JPC
Revised 9/14/09 JPC

Table 4C Sample Data for Quahogs, Post-Spawning (mg/kg wet weight) Area III 2007

	Sample#	NBH07-SF-B-3		NBH07-SF-C-3		NBH07-SF-D-3		NBH07-SF-E-3		NBH07-SF-F-3	
Cl5-BZ#110	MG/KG	0.0027		0.0011		0.0013		0.0052		0.0024	
Cl5-BZ#114	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl5-BZ#118	MG/KG	0.0033		0.0016		0.002		0.0058		0.003	
Cl5-BZ#119	MG/KG	0.0003	J	0.00043	U	0.00023	J	0.00061		0.00026	J
Cl5-BZ#123	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl5-BZ#124	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl5-BZ#126	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl6-BZ#129	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl6-BZ#130	MG/KG	0.00037	J	0.00043	U	0.00042	U	0.00071		0.00032	J
Cl6-BZ#131	MG/KG	0.00088	U	0.00086	U	0.00084	U	0.00091	U	0.0009	U
Cl6-BZ#132/#168	MG/KG	0.00075	J	0.00086	U	0.00084	U	0.0015		0.00061	J
Cl6-BZ#134	MG/KG	0.00025	J	0.00043	U	0.00042	U	0.00066		0.00027	J
Cl6-BZ#135/#144	MG/KG	0.00054	J	0.00086	U	0.00084	U	0.0011		0.0005	J
Cl6-BZ#136	MG/KG	0.00026	J	0.00043	U	0.00042	U	0.0005		0.00045	U
Cl6-BZ#137	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00041	J	0.00045	U
Cl6-BZ#138/#163	MG/KG	0.0035		0.0018		0.0021		0.0075		0.0031	
Cl6-BZ#141	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046		0.00045	U
Cl6-BZ#146	MG/KG	0.001		0.00052	J	0.00069	J	0.0025		0.0009	
Cl6-BZ#147	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00044	J	0.00045	U
Cl6-BZ#149	MG/KG	0.0021		0.00094		0.0011		0.0047		0.0017	
Cl6-BZ#151	MG/KG	0.0004	J	0.00043	U	0.00024	J	0.00085		0.00027	J
Cl6-BZ#153	MG/KG	0.004		0.0023		0.0028		0.0088		0.0034	
Cl6-BZ#154	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00027	J	0.00045	U
Cl6-BZ#155	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl6-BZ#156	MG/KG	0.00028	J	0.00043	U	0.00042	U	0.00057		0.00026	J
Cl6-BZ#157	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl6-BZ#158	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00034	J	0.00045	U
Cl6-BZ#167/#128	MG/KG	0.00083	J	0.00086	U	0.00044	J	0.0015		0.00071	J
Cl6-BZ#169	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl7-BZ#170/#190	MG/KG	0.00088	U	0.00086	U	0.00084	U	0.00062	J	0.0009	U
Cl7-BZ#171	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl7-BZ#172	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00029	J	0.00045	U
Cl7-BZ#173	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl7-BZ#174	MG/KG	0.00032	J	0.00043	U	0.00042	U	0.00061		0.00029	J
Cl7-BZ#175	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl7-BZ#176	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl7-BZ#177	MG/KG	0.00035	J	0.00023	J	0.00042	U	0.0008		0.00033	J
Cl7-BZ#178	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00036	J	0.00045	U
Cl7-BZ#180	MG/KG	0.00063		0.00031	J	0.00031	J	0.0014		0.00055	
Cl7-BZ#182/#187	MG/KG	0.00065	J	0.00086	U	0.00044	J	0.0015		0.00063	J
Cl7-BZ#183	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00039	J	0.00045	U
Cl7-BZ#184	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl7-BZ#185	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl7-BZ#188	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl7-BZ#189	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl7-BZ#191	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl7-BZ#193	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl8-BZ#194	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl8-BZ#195	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl8-BZ#196/203	MG/KG	0.00088	U	0.00086	U	0.00084	U	0.00091	U	0.0009	U
Cl8-BZ#197	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl8-BZ#199	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl8-BZ#200	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl8-BZ#201	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl8-BZ#202	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl8-BZ#205	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl9-BZ#206	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl9-BZ#207	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl9-BZ#208	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Cl10-BZ#209	MG/KG	0.00044	U	0.00043	U	0.00042	U	0.00046	U	0.00045	U
Aroclor-1232	MG/KG	0.0088	U	0.0086	U	0.0084	U	0.0091	U	0.009	U
Aroclor-1242	MG/KG	0.0088	U	0.0086	U	0.0084	U	0.0091	U	0.009	U
Aroclor-1248	MG/KG	0.0088	U	0.0086	U	0.0084	U	0.0091	U	0.009	U
Aroclor-1254	MG/KG	0.049		0.0086	U	0.0084	U	0.10		0.041	
Aroclor-1260	MG/KG	0.0088	U	0.0086	U	0.0084	U	0.0091	U	0.009	U

Prepared by: BJS
Checked by: JPC
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Table 5 Sample Data for Eel (mg/kg wet weight) 2007

	Sample#	NBH07-FF-A-1		NBH07-FF-B-1		NBH07-FF-C-1		NBH07-FF-D-1		NBH07-FF-E-1		NBH07-FF-C-2	
	Species	American Eel		American Eel		American Eel		American Eel		American Eel		American Eel	
	Area	I		I		I		I		I		II	
	Station	Station A		Station B		Station C		Station D		Station E		Station C	
Parameter	**Units**												
Lipids	PERCENT	11		3.5		7.9		13		8.8		5.8	
Total PCB Congeners (CALC)	MG/KG	47	J4	22	J4	66	J4	102	J4	59	J4	83	J4
Total PCB Congeners Hits (CALC)	MG/KG	47		22		66		102		59		83	
Total NOAA Congeners (CALC)	MG/KG	28	J4	11	J4	32	J4	49	J4	30	J4	37	J4
Total WHO Congeners (CALC)	MG/KG	7.5	J4	3.0	J4	6.6	J4	9.4	J4	6.8	J4	6.8	J4
Total WHO+NOAA Congeners (CALC)	MG/KG	28	J4	12	J4	33	J4	50	J4	31	J4	37	J4
Total Aroclor (CALC)	MG/KG	82	J4	36	J4	106	J4	152	J4	98	J4	137	J4
Cl1-BZ#1	MG/KG	0.00047	U	0.00048	U	0.00034	J	0.00063		0.00047	U	0.00036	J
Cl1-BZ#3	MG/KG	0.00047	U	0.00048	U	0.00048	U	0.00031	J	0.00047	U	0.00049	U
Cl2-BZ#4/#10	MG/KG	0.0035		0.0069		0.028		0.037		0.02		0.031	
Cl2-BZ#5/#8	MG/KG	0.00096		0.0031		0.018		0.03		0.01		0.038	
Cl2-BZ#6	MG/KG	0.00072		0.0019		0.013		0.021		0.007		0.033	
Cl2-BZ#7	MG/KG	0.00047	U	0.00048	U	0.00098		0.0016		0.0006		0.0013	
Cl2-BZ#12/#13	MG/KG	0.0029		0.0027		0.0055		0.013		0.0045		0.0072	
Cl2-BZ#15	MG/KG	0.0014		0.0022		0.006		0.013		0.0046		0.0067	
Cl3-BZ#16/#32	MG/KG	0.02		0.034		0.22		0.19		0.14		0.35	
Cl3-BZ#17	MG/KG	0.0037		0.0082		0.046		0.045		0.023		0.066	
Cl3-BZ#18	MG/KG	0.015		0.028		0.16		0.14		0.087		0.17	
Cl3-BZ#19	MG/KG	0.0048		0.0071		0.038		0.034		0.024		0.043	
Cl3-BZ#21/#33	MG/KG	0.0038		0.0079		0.034		0.045		0.02		0.058	
Cl3-BZ#22	MG/KG	0.015		0.03		0.12		0.17		0.067		0.18	
Cl3-BZ#24/#27	MG/KG	0.0025		0.0046		0.025		0.021		0.014		0.029	
Cl3-BZ#25	MG/KG	0.018		0.044		0.14		0.2		0.08		0.17	
Cl3-BZ#26	MG/KG	0.16		0.18		0.52		0.71		0.29		0.52	
Cl3-BZ#28/#31	MG/KG	0.37		0.63		1.2		1.9		0.8		1.4	
Cl3-BZ#29	MG/KG	0.00047	U	0.00048	U	0.00048	U	0.00042	U	0.00047	U	0.00049	U
Cl3-BZ#37	MG/KG	0.0047		0.0056		0.022		0.043		0.016		0.039	
Cl4-BZ#40	MG/KG	0.016		0.022		0.095		0.15		0.063		0.14	
Cl4-BZ#41/#71	MG/KG	0.55		0.41		1.7		3		1.2		2.6	
Cl4-BZ#42	MG/KG	0.1		0.11		0.54		0.98		0.34		0.92	
Cl4-BZ#43/#49	MG/KG	2.3	J	1.3	J	6.6	J	8.2	J	4.8	J	9.8	J
Cl4-BZ#44	MG/KG	0.54		0.29		1.5		2.2		1.3		1.9	
Cl4-BZ#45	MG/KG	0.0037		0.0053		0.035		0.034		0.02		0.04	
Cl4-BZ#46	MG/KG	0.00047	U	0.00048	U	0.00048	U	0.00042	U	0.00047	U	0.00049	U
Cl4-BZ#47/#48	MG/KG	0.88		0.91	J	2.8		5.1		2.1		4.6	
Cl4-BZ#50	MG/KG	0.00047	U	0.00048	U	0.00078		0.0005		0.00041	J	0.0013	
Cl4-BZ#51	MG/KG	0.0029		0.006		0.042		0.03		0.023		0.053	
Cl4-BZ#52	MG/KG	4.4	J	1.6	J	8	J	15	J	7.8	J	10	J
Cl4-BZ#53	MG/KG	0.014		0.018		0.12		0.1		0.074		0.16	
Cl4-BZ#54	MG/KG	0.00028	J	0.00034	J	0.0016		0.0012		0.0012		0.0015	
Cl4-BZ#56/#60	MG/KG	0.15		0.088		0.22		0.34		0.19		0.27	
Cl4-BZ#63	MG/KG	0.062		0.025		0.071		0.1		0.052		0.079	
Cl4-BZ#64	MG/KG	0.00047	U	0.00048	U	0.00048	U	0.00042	U	0.00047	U	0.00049	U
Cl4-BZ#66	MG/KG	0.73		0.53	J	1.2		1.9		1		1.2	
Cl4-BZ#70	MG/KG	0.018		0.02		0.041		0.075		0.029		0.038	
Cl4-BZ#74	MG/KG	0.79		0.42	J	0.84		1.2		0.74		0.81	
Cl4-BZ#76	MG/KG	0.00047	U	0.00048	U	0.00048	U	0.00042	U	0.00047	U	0.00049	U
Cl4-BZ#77	MG/KG	0.04		0.026		0.061		0.096		0.053		0.091	
Cl4-BZ#81	MG/KG	0.018		0.00048	U	0.017		0.023		0.017		0.02	
Cl5-BZ#82	MG/KG	0.015		0.014		0.053		0.099		0.04		0.074	
Cl5-BZ#83	MG/KG	0.029		0.029		0.12		0.28		0.1		0.18	
Cl5-BZ#85	MG/KG	0.095		0.1		0.23		0.4		0.2		0.38	
Cl5-BZ#87	MG/KG	0.66	J	0.26	J	0.69	J	0.99	J	0.65	J	0.78	J
Cl5-BZ#89	MG/KG	0.00047	U	0.00048	U	0.00048	U	0.00042	U	0.00047	U	0.00049	U
Cl5-BZ#91	MG/KG	0.37		0.22		0.95		1.7		0.75		1.5	
Cl5-BZ#92	MG/KG	0.68		0.21		0.8		1.5		0.89		0.97	
Cl5-BZ#95	MG/KG	0.69		0.28		1.3		2.6		1.2		1.7	
Cl5-BZ#97	MG/KG	0.23		0.23		0.75		1		0.58		1	
Cl5-BZ#99	MG/KG	4.8	J	2.2	J	5.6	J	7.6	J	5.1	J	6.2	J
Cl5-BZ#100	MG/KG	0.032		0.043		0.11		0.19		0.081		0.19	
Cl5-BZ#101/#84	MG/KG	4.2	J	1.6	J	5.4	J	7.2	J	4.6	J	6.3	J
Cl5-BZ#104	MG/KG	0.00047	U	0.00048	U	0.00048	U	0.00042	U	0.00047	U	0.00025	J
Cl5-BZ#105	MG/KG	0.8		0.31	J	0.62		0.92		0.65		0.58	
Cl5-BZ#107	MG/KG	0.077		0.031		0.061		0.089		0.052		0.068	
Cl5-BZ#110	MG/KG	0.85		0.67	J	2.4		4.9		1.9		4.3	
Cl5-BZ#114	MG/KG	0.061		0.023		0.065		0.089		0.055		0.061	
Cl5-BZ#118	MG/KG	5.3		2.1	J	4.7		6.8		4.9		4.8	
Cl5-BZ#119	MG/KG	0.11		0.16		0.37		0.63		0.28		0.6	
Cl5-BZ#123	MG/KG	0.16		0.073		0.17		0.25		0.16		0.21	
Cl5-BZ#124	MG/KG	0.0096		0.0059		0.013		0.024		0.013		0.014	
Cl5-BZ#126	MG/KG	0.017		0.0096	J	0.018		0.026		0.017		0.022	
Cl6-BZ#129	MG/KG	0.011		0.01		0.028		0.06		0.021		0.043	
Cl6-BZ#130	MG/KG	0.19		0.062		0.15		0.2		0.15		0.17	
Cl6-BZ#131	MG/KG	0.00095	U	0.00095	U	0.02		0.026		0.016		0.019	

Table 5 Sample Data for Eel (mg/kg wet weight) 2007

	Sample#	NBH07-FF-A-1		NBH07-FF-B-1		NBH07-FF-C-1		NBH07-FF-D-1		NBH07-FF-E-1		NBH07-FF-C-2	
Cl6-BZ#132/#168	MG/KG	0.12		0.044		0.16		0.33		0.18		0.2	
Cl6-BZ#134	MG/KG	0.15		0.086		0.23		0.33		0.19		0.27	
Cl6-BZ#135/#144	MG/KG	0.11		0.054		0.19		0.33		0.18		0.2	
Cl6-BZ#136	MG/KG	0.081		0.034		0.15		0.23		0.14		0.16	
Cl6-BZ#137	MG/KG	0.19		0.072		0.17		0.23		0.16		0.17	
Cl6-BZ#138/#163	MG/KG	3.4	J	1.2	J	2.7	J	3.9	J	2.7	J	3	J
Cl6-BZ#141	MG/KG	0.23		0.066		0.19		0.29		0.18		0.19	
Cl6-BZ#146	MG/KG	0.83		0.38	J	0.69		0.96		0.67		0.76	
Cl6-BZ#147	MG/KG	0.26		0.12		0.27		0.37		0.24		0.34	
Cl6-BZ#149	MG/KG	1.8		0.71	J	2.2		3.6		2		2.8	
Cl6-BZ#151	MG/KG	0.12		0.053		0.22		0.3		0.21		0.33	
Cl6-BZ#153	MG/KG	5.8		2.2	J	4.8		6.9		4.8		5.2	
Cl6-BZ#154	MG/KG	0.16		0.092		0.19		0.27		0.18		0.26	
Cl6-BZ#155	MG/KG	0.0018		0.001		0.0021		0.0027		0.0019		0.0024	
Cl6-BZ#156	MG/KG	0.32		0.12		0.27		0.32		0.26		0.26	
Cl6-BZ#157	MG/KG	0.056		0.021		0.045		0.065		0.045		0.045	
Cl6-BZ#158	MG/KG	0.38		0.15	J	0.35		0.46		0.33		0.38	
Cl6-BZ#167/#128	MG/KG	0.69	J	0.32	J	0.66	J	0.81	J	0.66	J	0.72	J
Cl6-BZ#169	MG/KG	0.00047	U	0.00048	U	0.00043	J	0.0005		0.00047	U	0.00049	U
Cl7-BZ#170/#190	MG/KG	0.26		0.097		0.21		0.3		0.19		0.23	
Cl7-BZ#171	MG/KG	0.07		0.026		0.056		0.081		0.054		0.063	
Cl7-BZ#172	MG/KG	0.044		0.016		0.035		0.052		0.034		0.039	
Cl7-BZ#173	MG/KG	0.00078		0.00062		0.0017		0.0028		0.0011		0.0014	
Cl7-BZ#174	MG/KG	0.042		0.014		0.048		0.099		0.052		0.052	
Cl7-BZ#175	MG/KG	0.012		0.0047		0.01		0.015		0.01		0.011	
Cl7-BZ#176	MG/KG	0.0052		0.0021		0.0076		0.011		0.007		0.0093	
Cl7-BZ#177	MG/KG	0.099		0.038		0.088		0.13		0.084		0.11	
Cl7-BZ#178	MG/KG	0.072		0.037		0.074		0.11		0.069		0.093	
Cl7-BZ#180	MG/KG	0.57		0.18	J	0.36		0.59		0.36		0.42	
Cl7-BZ#182/#187	MG/KG	0.49		0.22	J	0.41		0.6		0.4		0.52	
Cl7-BZ#183	MG/KG	0.18		0.073		0.14		0.21		0.14		0.16	
Cl7-BZ#184	MG/KG	0.00058		0.00025	J	0.00049		0.00068		0.00049		0.00054	
Cl7-BZ#185	MG/KG	0.0075		0.0027		0.0074		0.011		0.0065		0.0083	
Cl7-BZ#188	MG/KG	0.0047		0.0021		0.0048		0.0063		0.0044		0.0052	
Cl7-BZ#189	MG/KG	0.013		0.0055		0.012		0.017		0.01		0.012	
Cl7-BZ#191	MG/KG	0.014		0.0056		0.011		0.016		0.01		0.012	
Cl7-BZ#193	MG/KG	0.032		0.013		0.026		0.038		0.024		0.032	
Cl8-BZ#194	MG/KG	0.048		0.019		0.036		0.058		0.034		0.044	
Cl8-BZ#195	MG/KG	0.016		0.006		0.012		0.019		0.011		0.015	
Cl8-BZ#196/203	MG/KG	0.064		0.026		0.049		0.078		0.047		0.058	
Cl8-BZ#197	MG/KG	0.0028		0.0011		0.002		0.0031		0.002		0.0022	
Cl8-BZ#199	MG/KG	0.0011		0.00046	J	0.0015		0.0024		0.0014		0.0017	
Cl8-BZ#200	MG/KG	0.0079		0.003		0.0063		0.01		0.0062		0.0074	
Cl8-BZ#201	MG/KG	0.045		0.018		0.036		0.055		0.034		0.042	
Cl8-BZ#202	MG/KG	0.017		0.0079		0.015		0.024		0.015		0.02	
Cl8-BZ#205	MG/KG	0.0026		0.0011		0.0019		0.003		0.0019		0.0019	
Cl9-BZ#206	MG/KG	0.018		0.0086		0.015		0.026		0.014		0.016	
Cl9-BZ#207	MG/KG	0.0022		0.001		0.0018		0.003		0.0017		0.0022	
Cl9-BZ#208	MG/KG	0.0059		0.0029		0.0056		0.0095		0.0055		0.0063	
Cl10-BZ#209	MG/KG	0.0026		0.0013		0.0023		0.0045		0.0023		0.0024	
Aroclor-1232	MG/KG	0.0094	U	0.0095	U	0.0097	U	0.0084	U	0.0095	U	0.0098	U
Aroclor-1242	MG/KG	0.0094	U	0.0095	U	0.0097	U	0.0084	U	0.0095	U	0.0098	U
Aroclor-1248	MG/KG	21		11		50		76		43		74	
Aroclor-1254	MG/KG	61		25		56		76		55		63	
Aroclor-1260	MG/KG	0.29		0.11		0.23		0.34		0.22		0.26	

Table 6 Sample Data for Alewife (mg/kg wet weight) 2007

	Sample#	NBH07-FF-C-1	
	Species	Alewife	
	Area	I	
	Station	Station A	
Parameter	**Units**		
Lipids	PERCENT	2.0	
Total PCB Congeners (CALC)	MG/KG	5.0	J4
Total PCB Congeners Hits (CALC)	MG/KG	5.0	
Total NOAA Congeners (CALC)	MG/KG	2.2	J4
Total WHO Congeners (CALC)	MG/KG	0.15	J4
Total WHO+NOAA Congeners (CALC)	MG/KG	2.2	J4
Total Aroclor (CALC)	MG/KG	5.8	J4
Cl1-BZ#1	MG/KG	0.00079	
Cl1-BZ#3	MG/KG	0.00047	U
Cl2-BZ#4/#10	MG/KG	0.023	
Cl2-BZ#5/#8	MG/KG	0.043	
Cl2-BZ#6	MG/KG	0.048	
Cl2-BZ#7	MG/KG	0.006	
Cl2-BZ#12/#13	MG/KG	0.0094	J
Cl2-BZ#15	MG/KG	0.016	
Cl3-BZ#16/#32	MG/KG	0.085	
Cl3-BZ#17	MG/KG	0.058	
Cl3-BZ#18	MG/KG	0.16	
Cl3-BZ#19	MG/KG	0.014	
Cl3-BZ#21/#33	MG/KG	0.031	
Cl3-BZ#22	MG/KG	0.032	
Cl3-BZ#24/#27	MG/KG	0.026	
Cl3-BZ#25	MG/KG	0.16	
Cl3-BZ#26	MG/KG	0.27	
Cl3-BZ#28/#31	MG/KG	0.6	
Cl3-BZ#29	MG/KG	0.00068	
Cl3-BZ#37	MG/KG	0.01	
Cl4-BZ#40	MG/KG	0.018	
Cl4-BZ#41/#71	MG/KG	0.1	
Cl4-BZ#42	MG/KG	0.046	
Cl4-BZ#43/#49	MG/KG	0.5	
Cl4-BZ#44	MG/KG	0.13	
Cl4-BZ#45	MG/KG	0.013	
Cl4-BZ#46	MG/KG	0.00047	U
Cl4-BZ#47/#48	MG/KG	0.16	
Cl4-BZ#50	MG/KG	0.00093	
Cl4-BZ#51	MG/KG	0.019	
Cl4-BZ#52	MG/KG	0.6	
Cl4-BZ#53	MG/KG	0.055	
Cl4-BZ#54	MG/KG	0.00068	
Cl4-BZ#56/#60	MG/KG	0.025	
Cl4-BZ#63	MG/KG	0.0053	
Cl4-BZ#64	MG/KG	0.072	
Cl4-BZ#66	MG/KG	0.073	
Cl4-BZ#70	MG/KG	0.056	
Cl4-BZ#74	MG/KG	0.051	J
Cl4-BZ#76	MG/KG	0.00047	U
Cl4-BZ#77	MG/KG	0.0067	
Cl4-BZ#81	MG/KG	0.00087	
Cl5-BZ#82	MG/KG	0.0041	
Cl5-BZ#83	MG/KG	0.0094	
Cl5-BZ#85	MG/KG	0.0068	
Cl5-BZ#87	MG/KG	0.023	
Cl5-BZ#89	MG/KG	0.00047	U
Cl5-BZ#91	MG/KG	0.071	

Table 6 Sample Data for Alewife (mg/kg wet weight) 2007

	Sample#	NBH07-FF-C-1	
Cl5-BZ#92	MG/KG	0.041	
Cl5-BZ#95	MG/KG	0.13	
Cl5-BZ#97	MG/KG	0.044	
Cl5-BZ#99	MG/KG	0.14	
Cl5-BZ#100	MG/KG	0.0079	
Cl5-BZ#101/#84	MG/KG	0.21	J
Cl5-BZ#104	MG/KG	0.00047	U
Cl5-BZ#105	MG/KG	0.011	
Cl5-BZ#107	MG/KG	0.0078	
Cl5-BZ#110	MG/KG	0.15	
Cl5-BZ#114	MG/KG	0.0012	
Cl5-BZ#118	MG/KG	0.099	
Cl5-BZ#119	MG/KG	0.023	
Cl5-BZ#123	MG/KG	0.0058	
Cl5-BZ#124	MG/KG	0.0033	
Cl5-BZ#126	MG/KG	0.00047	U
Cl6-BZ#129	MG/KG	0.0017	
Cl6-BZ#130	MG/KG	0.0033	
Cl6-BZ#131	MG/KG	0.0012	
Cl6-BZ#132/#168	MG/KG	0.0081	
Cl6-BZ#134	MG/KG	0.0092	
Cl6-BZ#135/#144	MG/KG	0.014	
Cl6-BZ#136	MG/KG	0.012	
Cl6-BZ#137	MG/KG	0.0029	
Cl6-BZ#138/#163	MG/KG	0.074	J
Cl6-BZ#141	MG/KG	0.0053	
Cl6-BZ#146	MG/KG	0.02	
Cl6-BZ#147	MG/KG	0.0083	
Cl6-BZ#149	MG/KG	0.11	
Cl6-BZ#151	MG/KG	0.018	
Cl6-BZ#153	MG/KG	0.12	
Cl6-BZ#154	MG/KG	0.008	
Cl6-BZ#155	MG/KG	0.00047	U
Cl6-BZ#156	MG/KG	0.0052	
Cl6-BZ#157	MG/KG	0.00093	
Cl6-BZ#158	MG/KG	0.0086	J
Cl6-BZ#167/#128	MG/KG	0.014	J
Cl6-BZ#169	MG/KG	0.00047	U
Cl7-BZ#170/#190	MG/KG	0.0064	
Cl7-BZ#171	MG/KG	0.0017	
Cl7-BZ#172	MG/KG	0.0012	
Cl7-BZ#173	MG/KG	0.00047	U
Cl7-BZ#174	MG/KG	0.0033	
Cl7-BZ#175	MG/KG	0.00037	J
Cl7-BZ#176	MG/KG	0.00053	
Cl7-BZ#177	MG/KG	0.0029	
Cl7-BZ#178	MG/KG	0.0025	
Cl7-BZ#180	MG/KG	0.011	
Cl7-BZ#182/#187	MG/KG	0.014	
Cl7-BZ#183	MG/KG	0.0048	
Cl7-BZ#184	MG/KG	0.00047	U
Cl7-BZ#185	MG/KG	0.00049	
Cl7-BZ#188	MG/KG	0.00047	U
Cl7-BZ#189	MG/KG	0.00051	
Cl7-BZ#191	MG/KG	0.00044	J
Cl7-BZ#193	MG/KG	0.0009	
Cl8-BZ#194	MG/KG	0.0016	
Cl8-BZ#195	MG/KG	0.00051	
Cl8-BZ#196/203	MG/KG	0.0022	

Table 6 Sample Data for Alewife (mg/kg wet weight) 2007

	Sample#	NBH07-FF-C-1	
Cl8-BZ#197	MG/KG	0.00047	U
Cl8-BZ#199	MG/KG	0.00047	U
Cl8-BZ#200	MG/KG	0.00037	J
Cl8-BZ#201	MG/KG	0.0018	
Cl8-BZ#202	MG/KG	0.0008	
Cl8-BZ#205	MG/KG	0.00047	U
Cl9-BZ#206	MG/KG	0.00093	
Cl9-BZ#207	MG/KG	0.00047	U
Cl9-BZ#208	MG/KG	0.00043	J
Cl10-BZ#209	MG/KG	0.00037	J
Aroclor-1232	MG/KG	0.0095	U
Aroclor-1242	MG/KG	0.0095	U
Aroclor-1248	MG/KG	4.2	
Aroclor-1254	MG/KG	1.6	
Aroclor-1260	MG/KG	0.0095	U

Table 7A Sample Data for Black Sea Bass (mg/kg wet weight) Area II 2007

	Sample#	NBH07-FF-A-2		NBH07-FF-B-2		NBH07-FF-C-2		NBH07-FF-D-2		NBH07-FF-E-2	
	Species	Black Sea Bass		Black Sea Bass		Black Sea Bass		Black Sea Bass		Black Sea Bass	
	Area	II		II		II		II		II	
	Station	Station A		Station B		Station C		Station D		Station E	
Parameter	Units										
Lipids	PERCENT	1.4		0.96		0.53		0.59		0.56	
Total PCB Congeners (CALC)	MG/KG	0.28	J3	0.048	J1	0.097	J2	0.078	J2	0.17	J3
Total PCB Congeners Hits (CALC)	MG/KG	0.27		0.023		0.079		0.058		0.15	
Total NOAA Congeners (CALC)	MG/KG	0.17	J4	0.018	J2	0.051	J3	0.039	J3	0.10	J3
Total WHO Congeners (CALC)	MG/KG	0.046	J3	0.0056	J2	0.014	J2	0.011	J2	0.028	J3
Total WHO+NOAA Congeners (CALC)	MG/KG	0.17	J4	0.020	J2	0.053	J3	0.041	J3	0.10	J3
Total Aroclor (CALC)	MG/KG	0.41	J3	0.0047	U	0.13	J2	0.0046	U	0.27	J3
Cl1-BZ#1	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl1-BZ#3	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl2-BZ#4/#10	MG/KG	0.00094	U	0.00093	U	0.00095	U	0.00092	U	0.00097	U
Cl2-BZ#5/#8	MG/KG	0.00094	U	0.00093	U	0.00095	U	0.00092	U	0.00097	U
Cl2-BZ#6	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl2-BZ#7	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl2-BZ#12/#13	MG/KG	0.00094	U	0.00093	U	0.00095	U	0.00092	U	0.00097	U
Cl2-BZ#15	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl3-BZ#16/#32	MG/KG	0.00094	U	0.00093	U	0.00095	U	0.00092	U	0.00097	U
Cl3-BZ#17	MG/KG	0.00028	J	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl3-BZ#18	MG/KG	0.00028	J	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl3-BZ#19	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl3-BZ#21/#33	MG/KG	0.00094	U	0.00093	U	0.00095	U	0.00092	U	0.00097	U
Cl3-BZ#22	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl3-BZ#24/#27	MG/KG	0.00094	U	0.00093	U	0.00095	U	0.00092	U	0.00097	U
Cl3-BZ#25	MG/KG	0.00035	J	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl3-BZ#26	MG/KG	0.0011		0.00046	U	0.00025	J	0.00041	J	0.00041	J
Cl3-BZ#28/#31	MG/KG	0.0033		0.00093	U	0.00084	J	0.001		0.0012	
Cl3-BZ#29	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl3-BZ#37	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl4-BZ#40	MG/KG	0.00029	J	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl4-BZ#41/#71	MG/KG	0.0019		0.00093	U	0.00055	J	0.00092	U	0.00066	J
Cl4-BZ#42	MG/KG	0.00075		0.00046	U	0.00026	J	0.00046	U	0.00027	J
Cl4-BZ#43/#49	MG/KG	0.0067		0.00055	J	0.0017		0.0017		0.0026	
Cl4-BZ#44	MG/KG	0.0024		0.00027	J	0.00071		0.0007		0.00086	
Cl4-BZ#45	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl4-BZ#46	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl4-BZ#47/#48	MG/KG	0.0036		0.00093	U	0.0011		0.00094		0.0014	
Cl4-BZ#50	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl4-BZ#51	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl4-BZ#52	MG/KG	0.011		0.00084		0.0026		0.0026		0.0052	
Cl4-BZ#53	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl4-BZ#54	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl4-BZ#56/#60	MG/KG	0.00096		0.00093	U	0.00095	U	0.00092	U	0.00048	J
Cl4-BZ#63	MG/KG	0.00055		0.00046	U	0.00047	U	0.00046	U	0.00032	J
Cl4-BZ#64	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl4-BZ#66	MG/KG	0.0056		0.00046		0.0019		0.0013		0.0024	
Cl4-BZ#70	MG/KG	0.0005		0.00046	U	0.00024	J	0.00046	U	0.00029	J
Cl4-BZ#74	MG/KG	0.0038		0.00032	J	0.0011		0.00086		0.0019	
Cl4-BZ#76	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl4-BZ#77	MG/KG	0.00034	J	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl4-BZ#81	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl5-BZ#82	MG/KG	0.00054		0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl5-BZ#83	MG/KG	0.00068		0.00046	U	0.00025	J	0.00046	U	0.00031	J
Cl5-BZ#85	MG/KG	0.0017		0.00046	U	0.00069		0.00045	J	0.0008	
Cl5-BZ#87	MG/KG	0.0032		0.00027	J	0.00096		0.00065		0.0019	
Cl5-BZ#89	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl5-BZ#91	MG/KG	0.0016		0.00046	U	0.0005		0.00042	J	0.00071	
Cl5-BZ#92	MG/KG	0.0039		0.00041	J	0.0012		0.00085		0.0026	
Cl5-BZ#95	MG/KG	0.0049		0.00045	J	0.0013		0.001		0.0025	
Cl5-BZ#97	MG/KG	0.0026		0.0003	J	0.00095		0.00066		0.001	
Cl5-BZ#99	MG/KG	0.013		0.00096		0.0029		0.0018		0.0058	
Cl5-BZ#100	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl5-BZ#101/#84	MG/KG	0.02		0.0016		0.0062		0.0042		0.012	
Cl5-BZ#104	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl5-BZ#105	MG/KG	0.0047		0.00049		0.0015		0.001		0.0026	
Cl5-BZ#107	MG/KG	0.003		0.00032	J	0.00097		0.00075		0.0022	
Cl5-BZ#110	MG/KG	0.0053		0.00057		0.002		0.0014		0.0018	

Table 7A Sample Data for Black Sea Bass (mg/kg wet weight) Area II 2007

	Sample#	NBH07-FF-A-2		NBH07-FF-B-2		NBH07-FF-C-2		NBH07-FF-D-2		NBH07-FF-E-2	
Cl5-BZ#114	MG/KG	0.00027	J	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl5-BZ#118	MG/KG	0.03		0.0024		0.0084		0.0061		0.018	
Cl5-BZ#119	MG/KG	0.001		0.00046	U	0.0004	J	0.0003	J	0.00045	J
Cl5-BZ#123	MG/KG	0.00061		0.00046	U	0.00047	U	0.00046	U	0.00041	J
Cl5-BZ#124	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl5-BZ#126	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl6-BZ#129	MG/KG	0.00024	J	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl6-BZ#130	MG/KG	0.0012		0.00046	U	0.00048		0.00034	J	0.001	
Cl6-BZ#131	MG/KG	0.00094	U	0.00093	U	0.00095	U	0.00092	U	0.00097	U
Cl6-BZ#132/#168	MG/KG	0.0014		0.00093	U	0.00052	J	0.00092	U	0.00079	J
Cl6-BZ#134	MG/KG	0.0012		0.00046	U	0.00043	J	0.00038	J	0.00083	
Cl6-BZ#135/#144	MG/KG	0.0016		0.00093	U	0.00054	J	0.00092	U	0.001	
Cl6-BZ#136	MG/KG	0.0006		0.00046	U	0.00047	U	0.00046	U	0.00037	J
Cl6-BZ#137	MG/KG	0.00098		0.00046	U	0.0003	J	0.00046	U	0.00053	
Cl6-BZ#138/#163	MG/KG	0.026		0.0028		0.008		0.006		0.018	
Cl6-BZ#141	MG/KG	0.00093		0.00046	U	0.00037	J	0.00027	J	0.00061	
Cl6-BZ#146	MG/KG	0.0071		0.00093		0.0023		0.0018		0.0052	
Cl6-BZ#147	MG/KG	0.00092		0.00046	U	0.00032	J	0.00023	J	0.0006	
Cl6-BZ#149	MG/KG	0.009		0.00088		0.0028		0.0021		0.0056	
Cl6-BZ#151	MG/KG	0.0022		0.00032	J	0.00071		0.00052		0.0016	
Cl6-BZ#153	MG/KG	0.044		0.0044		0.013		0.01		0.028	
Cl6-BZ#154	MG/KG	0.00034	J	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl6-BZ#155	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl6-BZ#156	MG/KG	0.0023		0.00046	U	0.00068		0.00054		0.0014	
Cl6-BZ#157	MG/KG	0.00064		0.00046	U	0.00047	U	0.00046	U	0.00041	J
Cl6-BZ#158	MG/KG	0.0019		0.00046	U	0.00059		0.00038	J	0.001	
Cl6-BZ#167/#128	MG/KG	0.0062		0.00067	J	0.002		0.0015		0.0038	
Cl6-BZ#169	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl7-BZ#170/#190	MG/KG	0.0023		0.00093	U	0.00087	J	0.00063	J	0.0015	
Cl7-BZ#171	MG/KG	0.00046	J	0.00046	U	0.00047	U	0.00046	U	0.0003	J
Cl7-BZ#172	MG/KG	0.00041	J	0.00046	U	0.00047	U	0.00046	U	0.00034	J
Cl7-BZ#173	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl7-BZ#174	MG/KG	0.00073		0.00046	U	0.00025	J	0.00046	U	0.0004	J
Cl7-BZ#175	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl7-BZ#176	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl7-BZ#177	MG/KG	0.0011		0.00029	J	0.00046	J	0.00042	J	0.00092	
Cl7-BZ#178	MG/KG	0.0008		0.00029	J	0.0004	J	0.00039	J	0.00061	
Cl7-BZ#180	MG/KG	0.0041		0.00083		0.0015		0.0011		0.0025	
Cl7-BZ#182/#187	MG/KG	0.0043		0.0012		0.0018		0.0015		0.003	
Cl7-BZ#183	MG/KG	0.0015		0.00036	J	0.00061		0.00048		0.001	
Cl7-BZ#184	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl7-BZ#185	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl7-BZ#188	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl7-BZ#189	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl7-BZ#191	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl7-BZ#193	MG/KG	0.00027	J	0.00046	U	0.00047	U	0.00046	U	0.00027	J
Cl8-BZ#194	MG/KG	0.00061		0.00046	U	0.00047	U	0.00046	U	0.00047	J
Cl8-BZ#195	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl8-BZ#196/203	MG/KG	0.00069	J	0.00093	U	0.00095	U	0.00092	U	0.00097	U
Cl8-BZ#197	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl8-BZ#199	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl8-BZ#200	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl8-BZ#201	MG/KG	0.00063		0.00028	J	0.00035	J	0.00046	U	0.00048	
Cl8-BZ#202	MG/KG	0.00028	J	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl8-BZ#205	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl9-BZ#206	MG/KG	0.00046	J	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl9-BZ#207	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl9-BZ#208	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Cl10-BZ#209	MG/KG	0.00047	U	0.00046	U	0.00047	U	0.00046	U	0.00048	U
Aroclor-1232	MG/KG	0.0094	U	0.0093	U	0.0094	U	0.0092	U	0.0097	U
Aroclor-1242	MG/KG	0.0094	U	0.0093	U	0.0094	U	0.0092	U	0.0097	U
Aroclor-1248	MG/KG	0.0094	U	0.0093	U	0.0094	U	0.0092	U	0.0097	U
Aroclor-1254	MG/KG	0.39		0.0093	U	0.11		0.0092	U	0.25	
Aroclor-1260	MG/KG	0.0094	U	0.0093	U	0.0094	U	0.0092	U	0.0097	U

Table 7B Sample Data for Black Sea Bass (mg/kg wet weight) Area III 2007

	Sample#	NBH07-FF-A-3		NBH07-FF-B-3		NBH07-FF-D-3		NBH07-FF-E-3		NBH07-FF-F-3	
	Species	Black Sea Bass		Black Sea Bass		Black Sea Bass		Black Sea Bass		Black Sea Bass	
	Area	III		III		III		III		III	
	Station	Station A		Station B		Station D		Station E		Station F	
Parameter	**Units**										
Lipids	PERCENT	0.89		0.98		0.64		0.97		0.89	
Total PCB Congeners (CALC)	MG/KG	0.12	J2	0.24	J3	0.11	J2	0.14	J2	0.21	J3
Total PCB Congeners Hits (CALC)	MG/KG	0.095		0.23		0.093		0.12		0.19	
Total NOAA Congeners (CALC)	MG/KG	0.066	J3	0.14	J4	0.064	J3	0.078	J3	0.12	J4
Total WHO Congeners (CALC)	MG/KG	0.019	J3	0.038	J3	0.018	J3	0.021	J3	0.032	J3
Total WHO+NOAA Congeners (CALC)	MG/KG	0.069	J3	0.14	J3	0.067	J3	0.081	J3	0.12	J3
Total Aroclor (CALC)	MG/KG	0.19	J2	0.32	J3	0.17	J2	0.21	J3	0.29	J3
Cl1-BZ#1	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl1-BZ#3	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl2-BZ#4/#10	MG/KG	0.00095	U	0.00094	U	0.00095	U	0.00095	U	0.00093	U
Cl2-BZ#5/#8	MG/KG	0.00095	U	0.00094	U	0.00095	U	0.00095	U	0.00093	U
Cl2-BZ#6	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl2-BZ#7	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl2-BZ#12/#13	MG/KG	0.00095	U	0.00094	U	0.00095	U	0.00095	U	0.00093	U
Cl2-BZ#15	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl3-BZ#16/#32	MG/KG	0.00095	U	0.00094	U	0.00095	U	0.00095	U	0.00093	U
Cl3-BZ#17	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl3-BZ#18	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl3-BZ#19	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl3-BZ#21/#33	MG/KG	0.00095	U	0.00094	U	0.00095	U	0.00095	U	0.00093	U
Cl3-BZ#22	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00026	J
Cl3-BZ#24/#27	MG/KG	0.00095	U	0.00094	U	0.00095	U	0.00095	U	0.00093	U
Cl3-BZ#25	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00038	J
Cl3-BZ#26	MG/KG	0.00048	U	0.00045	J	0.00031	J	0.00036	J	0.00099	
Cl3-BZ#28/#31	MG/KG	0.00067	J	0.0026		0.00096		0.0012		0.0032	
Cl3-BZ#29	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl3-BZ#37	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl4-BZ#40	MG/KG	0.00048	U	0.00024	J	0.00047	U	0.00048	U	0.00032	J
Cl4-BZ#41/#71	MG/KG	0.00095	U	0.0022		0.00095	U	0.00084	J	0.0014	
Cl4-BZ#42	MG/KG	0.00048	U	0.00087		0.00047	U	0.00031	J	0.00057	
Cl4-BZ#43/#49	MG/KG	0.0016		0.0077		0.0013		0.0025		0.0046	
Cl4-BZ#44	MG/KG	0.0005		0.0035		0.00053		0.00094		0.0018	
Cl4-BZ#45	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl4-BZ#46	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl4-BZ#47/#48	MG/KG	0.00087	J	0.0048		0.00092	J	0.0015		0.0026	
Cl4-BZ#50	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl4-BZ#51	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl4-BZ#52	MG/KG	0.0029		0.014		0.0025		0.0038		0.0074	
Cl4-BZ#53	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl4-BZ#54	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl4-BZ#56/#60	MG/KG	0.00095	U	0.0012		0.00095	U	0.00052	J	0.00087	J
Cl4-BZ#63	MG/KG	0.00048	U	0.00059		0.00047	U	0.00026	J	0.00042	J
Cl4-BZ#64	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl4-BZ#66	MG/KG	0.0016		0.006		0.0018		0.0025		0.0049	
Cl4-BZ#70	MG/KG	0.00048	U	0.00029	J	0.00047	U	0.00036	J	0.00078	
Cl4-BZ#74	MG/KG	0.0012		0.0046		0.0013		0.0016		0.003	
Cl4-BZ#76	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl4-BZ#77	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00034	J
Cl4-BZ#81	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl5-BZ#82	MG/KG	0.00048	U	0.00047		0.00047	U	0.00048	U	0.00041	J
Cl5-BZ#83	MG/KG	0.00048	U	0.0007		0.00047	U	0.00039	J	0.00049	
Cl5-BZ#85	MG/KG	0.00043	J	0.0016		0.00053		0.00098		0.0014	
Cl5-BZ#87	MG/KG	0.0011		0.0029		0.00095		0.0014		0.0022	
Cl5-BZ#89	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl5-BZ#91	MG/KG	0.00045	J	0.0015		0.0004	J	0.00064		0.0012	
Cl5-BZ#92	MG/KG	0.0015		0.0039		0.0013		0.0019		0.0026	
Cl5-BZ#95	MG/KG	0.0012		0.0046		0.0011		0.0018		0.0032	
Cl5-BZ#97	MG/KG	0.00058		0.0025		0.00061		0.0013		0.0022	
Cl5-BZ#99	MG/KG	0.0032		0.0078		0.002		0.005		0.0091	
Cl5-BZ#100	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl5-BZ#101/#84	MG/KG	0.0071		0.018		0.0058		0.0094		0.014	
Cl5-BZ#104	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl5-BZ#105	MG/KG	0.0018		0.0043		0.0018		0.0022		0.0036	
Cl5-BZ#107	MG/KG	0.0012		0.0021		0.0011		0.0013		0.0021	
Cl5-BZ#110	MG/KG	0.0015		0.0062		0.0014		0.0026		0.0041	

Table 7B Sample Data for Black Sea Bass (mg/kg wet weight) Area III 2007

	Sample#	NBH07-FF-A-3		NBH07-FF-B-3		NBH07-FF-D-3		NBH07-FF-E-3		NBH07-FF-F-3	
Cl5-BZ#114	MG/KG	0.00048	U	0.00027	J	0.00047	U	0.00048	U	0.00046	U
Cl5-BZ#118	MG/KG	0.012		0.025		0.011		0.013		0.02	
Cl5-BZ#119	MG/KG	0.00032	J	0.0012		0.00034	J	0.00058		0.0008	
Cl5-BZ#123	MG/KG	0.00028	J	0.00054		0.00024	J	0.00032	J	0.00044	J
Cl5-BZ#124	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl5-BZ#126	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl6-BZ#129	MG/KG	0.00048	U	0.00024	J	0.00047	U	0.00048	U	0.00046	U
Cl6-BZ#130	MG/KG	0.00058		0.00086		0.00044	J	0.00061		0.00076	
Cl6-BZ#131	MG/KG	0.00095	U	0.00094	U	0.00095	U	0.00095	U	0.00093	U
Cl6-BZ#132/#168	MG/KG	0.00095	U	0.0012		0.00095	U	0.00073	J	0.0012	
Cl6-BZ#134	MG/KG	0.00049		0.00097		0.00057		0.00063		0.00086	
Cl6-BZ#135/#144	MG/KG	0.00058	J	0.0012		0.00056	J	0.00073	J	0.0011	
Cl6-BZ#136	MG/KG	0.00048	U	0.00045	J	0.00047	U	0.00025	J	0.00038	J
Cl6-BZ#137	MG/KG	0.00033	J	0.00084		0.00037	J	0.00047	J	0.00072	
Cl6-BZ#138/#163	MG/KG	0.011		0.019		0.0099		0.013		0.017	
Cl6-BZ#141	MG/KG	0.00038	J	0.00084		0.00041	J	0.00051		0.00066	
Cl6-BZ#146	MG/KG	0.0034		0.0054		0.0032		0.0036		0.0053	
Cl6-BZ#147	MG/KG	0.00039	J	0.00086		0.00034	J	0.00048		0.00074	
Cl6-BZ#149	MG/KG	0.0031		0.0074		0.0028		0.0042		0.0061	
Cl6-BZ#151	MG/KG	0.00086		0.0018		0.0008		0.0011		0.0014	
Cl6-BZ#153	MG/KG	0.02		0.032		0.019		0.021		0.032	
Cl6-BZ#154	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00026	J
Cl6-BZ#155	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl6-BZ#156	MG/KG	0.00097		0.0018		0.001		0.0011		0.0017	
Cl6-BZ#157	MG/KG	0.00033	J	0.00046	J	0.00035	J	0.00033	J	0.00044	J
Cl6-BZ#158	MG/KG	0.0007		0.0016		0.00065		0.00093		0.0012	
Cl6-BZ#167/#128	MG/KG	0.0026		0.0047		0.0025		0.0031		0.0045	
Cl6-BZ#169	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl7-BZ#170/#190	MG/KG	0.0011		0.0019		0.0013		0.0013		0.0017	
Cl7-BZ#171	MG/KG	0.00048	U	0.00031	J	0.00047	U	0.00048	U	0.00034	J
Cl7-BZ#172	MG/KG	0.00048	U	0.00043	J	0.0003	J	0.00024	J	0.00033	J
Cl7-BZ#173	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl7-BZ#174	MG/KG	0.00029	J	0.00051		0.00028	J	0.00036	J	0.00048	
Cl7-BZ#175	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl7-BZ#176	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl7-BZ#177	MG/KG	0.00049		0.00072		0.00066		0.00068		0.00077	
Cl7-BZ#178	MG/KG	0.00047	J	0.00058		0.00061		0.00058		0.00068	
Cl7-BZ#180	MG/KG	0.0018		0.0032		0.0025		0.0024		0.0033	
Cl7-BZ#182/#187	MG/KG	0.002		0.0033		0.0026		0.0028		0.0034	
Cl7-BZ#183	MG/KG	0.00079		0.0013		0.00093		0.00094		0.0012	
Cl7-BZ#184	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl7-BZ#185	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl7-BZ#188	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl7-BZ#189	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl7-BZ#191	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl7-BZ#193	MG/KG	0.00048	U	0.00024	J	0.00047	U	0.00048	U	0.00046	U
Cl8-BZ#194	MG/KG	0.00036	J	0.00058		0.00044	J	0.00038	J	0.00054	
Cl8-BZ#195	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl8-BZ#196/203	MG/KG	0.00095	U	0.0006	J	0.00055	J	0.00095	U	0.00054	J
Cl8-BZ#197	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl8-BZ#199	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl8-BZ#200	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl8-BZ#201	MG/KG	0.00035	J	0.00059		0.0006		0.00055		0.00055	
Cl8-BZ#202	MG/KG	0.00048	U	0.00025	J	0.00028	J	0.00034	J	0.0003	J
Cl8-BZ#205	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl9-BZ#206	MG/KG	0.00048	U	0.00039	J	0.00042	J	0.00036	J	0.00025	J
Cl9-BZ#207	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00046	U
Cl9-BZ#208	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00048	U	0.00023	J
Cl10-BZ#209	MG/KG	0.00048	U	0.00047	U	0.00047	U	0.00024	J	0.00046	U
Aroclor-1232	MG/KG	0.0095	U	0.0094	U	0.0094	U	0.0095	U	0.0093	U
Aroclor-1242	MG/KG	0.0095	U	0.0094	U	0.0094	U	0.0095	U	0.0093	U
Aroclor-1248	MG/KG	0.0095	U	0.0094	U	0.0094	U	0.0095	U	0.0093	U
Aroclor-1254	MG/KG	0.17		0.3		0.15		0.19		0.27	
Aroclor-1260	MG/KG	0.0095	U	0.0094	U	0.0094	U	0.0095	U	0.0093	U

Table 8A Sample Data for Scup (mg/kg wet weight) Area II 2007

	Sample#	NBH07-FF-A-2		NBH07-FF-B-2		NBH07-FF-C-2		NBH07-FF-D-2		NBH07-FF-E-2	
	Species	Scup		Scup		Scup		Scup		Scup	
	Area	II		II		II		II		II	
	Station	Station A		Station B		Station C		Station D		Station E	
Parameter	Units										
Lipids	PERCENT	0.92		1.0		0.92		2.0		1.1	
Total PCB Congeners (CALC)	MG/KG	0.29	J3	0.076	J2	0.25	J3	0.36	J3	0.086	J2
Total PCB Congeners Hits (CALC)	MG/KG	0.28		0.053		0.24		0.34		0.067	
Total NOAA Congeners (CALC)	MG/KG	0.17	J4	0.036	J3	0.16	J4	0.21	J4	0.045	J3
Total WHO Congeners (CALC)	MG/KG	0.046	J3	0.010	J2	0.042	J3	0.055	J3	0.012	J2
Total WHO+NOAA Congeners (CALC)	MG/KG	0.18	J4	0.039	J3	0.16	J3	0.22	J4	0.048	J3
Total Aroclor (CALC)	MG/KG	0.0046	U	0.0049	U	0.0046	U	0.0049	U	0.0043	U
Cl1-BZ#1	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl1-BZ#3	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl2-BZ#4/#10	MG/KG	0.00092	U	0.00098	U	0.00092	U	0.00097	U	0.00085	U
Cl2-BZ#5/#8	MG/KG	0.00092	U	0.00098	U	0.00092	U	0.00097	U	0.00085	U
Cl2-BZ#6	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl2-BZ#7	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl2-BZ#12/#13	MG/KG	0.00092	UJ	0.00098	UJ	0.00092	UJ	0.00097	UJ	0.00085	UJ
Cl2-BZ#15	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl3-BZ#16/#32	MG/KG	0.00048	J	0.00098	U	0.00092	U	0.00097	U	0.00085	U
Cl3-BZ#17	MG/KG	0.00067		0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl3-BZ#18	MG/KG	0.0012		0.00049	U	0.00046	U	0.00048	J	0.00043	U
Cl3-BZ#19	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl3-BZ#21/#33	MG/KG	0.00092	U	0.00098	U	0.00092	U	0.00097	U	0.00085	U
Cl3-BZ#22	MG/KG	0.00027	J	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl3-BZ#24/#27	MG/KG	0.00092	U	0.00098	U	0.00092	U	0.00097	U	0.00085	U
Cl3-BZ#25	MG/KG	0.00035	J	0.00049	U	0.00046	U	0.00025	J	0.00043	U
Cl3-BZ#26	MG/KG	0.0015		0.00026	J	0.00044	J	0.0012		0.00043	U
Cl3-BZ#28/#31	MG/KG	0.0053		0.00075	J	0.001		0.006		0.0006	J
Cl3-BZ#29	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl3-BZ#37	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl4-BZ#40	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl4-BZ#41/#71	MG/KG	0.0032		0.00098	U	0.001		0.0032		0.00085	U
Cl4-BZ#42	MG/KG	0.0012		0.00049	U	0.00027	J	0.00097		0.00043	U
Cl4-BZ#43/#49	MG/KG	0.011		0.0012		0.0048		0.014		0.0012	
Cl4-BZ#44	MG/KG	0.0015		0.00026	J	0.00044	J	0.001		0.00043	U
Cl4-BZ#45	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl4-BZ#46	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl4-BZ#47/#48	MG/KG	0.0064		0.00083	J	0.0037		0.009		0.001	
Cl4-BZ#50	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl4-BZ#51	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl4-BZ#52	MG/KG	0.011		0.0011		0.0044		0.015		0.0011	
Cl4-BZ#53	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl4-BZ#54	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl4-BZ#56/#60	MG/KG	0.0013		0.00098	U	0.00071	J	0.0015		0.00085	U
Cl4-BZ#63	MG/KG	0.0006		0.00049	U	0.00044	J	0.0009		0.00043	U
Cl4-BZ#64	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl4-BZ#66	MG/KG	0.0086		0.0011		0.0052		0.011		0.0018	
Cl4-BZ#70	MG/KG	0.00028	J	0.00025	J	0.00046	U	0.00036	J	0.00043	U
Cl4-BZ#74	MG/KG	0.0052	J	0.00061	J	0.0033	J	0.0066	J	0.00095	J
Cl4-BZ#76	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl4-BZ#77	MG/KG	0.00038	J	0.00049	U	0.00026	J	0.00049	U	0.00043	U
Cl4-BZ#81	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl5-BZ#82	MG/KG	0.00046	U	0.00049	U	0.00026	J	0.00049	U	0.00043	U
Cl5-BZ#83	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl5-BZ#85	MG/KG	0.0023		0.00053		0.0021		0.0027		0.00077	
Cl5-BZ#87	MG/KG	0.003		0.00066		0.0026		0.0036		0.00077	
Cl5-BZ#89	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl5-BZ#91	MG/KG	0.0016		0.00026	J	0.0011		0.0025		0.00025	J
Cl5-BZ#92	MG/KG	0.0013		0.0003	J	0.00061		0.0012		0.00043	U
Cl5-BZ#95	MG/KG	0.0027		0.00047	J	0.0014		0.0033		0.00043	
Cl5-BZ#97	MG/KG	0.0043		0.00078		0.003		0.0044		0.001	
Cl5-BZ#99	MG/KG	0.022		0.0042		0.021		0.028		0.0055	
Cl5-BZ#100	MG/KG	0.00037	J	0.00049	U	0.00034	J	0.0005		0.00043	U
Cl5-BZ#101/#84	MG/KG	0.021	J	0.0037	J	0.02	J	0.027	J	0.0052	J
Cl5-BZ#104	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl5-BZ#105	MG/KG	0.005		0.00099		0.0044		0.0064		0.0013	
Cl5-BZ#107	MG/KG	0.0025		0.00069		0.0023		0.003		0.00086	
Cl5-BZ#110	MG/KG	0.0055		0.001		0.0026		0.0056		0.00088	

Table 8A Sample Data for Scup (mg/kg wet weight) Area II 2007

	Sample#	NBH07-FF-A-2		NBH07-FF-B-2		NBH07-FF-C-2		NBH07-FF-D-2		NBH07-FF-E-2	
Cl5-BZ#114	MG/KG	0.00027	J	0.00049	U	0.00025	J	0.00035	J	0.00043	U
Cl5-BZ#118	MG/KG	0.029		0.0053		0.026		0.034		0.0068	
Cl5-BZ#119	MG/KG	0.0015		0.00049	U	0.001		0.0017		0.00029	J
Cl5-BZ#123	MG/KG	0.00072		0.00049	U	0.0006		0.0011		0.00043	U
Cl5-BZ#124	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl5-BZ#126	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl6-BZ#129	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl6-BZ#130	MG/KG	0.00061		0.00024	J	0.00066		0.00088		0.00025	J
Cl6-BZ#131	MG/KG	0.00092	U	0.00098	U	0.00092	U	0.00097	U	0.00085	U
Cl6-BZ#132/#168	MG/KG	0.00054	J	0.00098	U	0.00053	J	0.00049	J	0.00085	U
Cl6-BZ#134	MG/KG	0.00031	J	0.00049	U	0.00025	J	0.00031	J	0.00043	U
Cl6-BZ#135/#144	MG/KG	0.00047	J	0.00098	U	0.00092	U	0.00054	J	0.00085	U
Cl6-BZ#136	MG/KG	0.0004	J	0.00049	U	0.00028	J	0.00045	J	0.00043	U
Cl6-BZ#137	MG/KG	0.001		0.00049	U	0.0011		0.0014		0.00026	J
Cl6-BZ#138/#163	MG/KG	0.023	J	0.0063	J	0.026	J	0.028	J	0.008	J
Cl6-BZ#141	MG/KG	0.00058		0.00049	U	0.00071		0.00075		0.00024	J
Cl6-BZ#146	MG/KG	0.007		0.0017		0.0069		0.0085		0.0022	
Cl6-BZ#147	MG/KG	0.00093		0.00049	U	0.00094		0.0014		0.00027	J
Cl6-BZ#149	MG/KG	0.0061		0.0017		0.0058		0.0087		0.0016	
Cl6-BZ#151	MG/KG	0.00091		0.00031	J	0.00094		0.0012		0.00026	J
Cl6-BZ#153	MG/KG	0.047		0.01		0.046		0.058		0.012	
Cl6-BZ#154	MG/KG	0.00079		0.00049	U	0.00077		0.001		0.00026	J
Cl6-BZ#155	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl6-BZ#156	MG/KG	0.0021		0.00043	J	0.0023		0.0027		0.00061	
Cl6-BZ#157	MG/KG	0.00059		0.00049	U	0.00064		0.00078		0.00043	U
Cl6-BZ#158	MG/KG	0.0018	J	0.00035	J	0.0022	J	0.0025	J	0.00055	J
Cl6-BZ#167/#128	MG/KG	0.0066	J	0.0015	J	0.0066	J	0.0081	J	0.002	J
Cl6-BZ#169	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl7-BZ#170/#190	MG/KG	0.0025		0.00068	J	0.0032		0.0031		0.00093	
Cl7-BZ#171	MG/KG	0.0007		0.00049	U	0.00087		0.00084		0.00035	J
Cl7-BZ#172	MG/KG	0.00027	J	0.00049	U	0.00039	J	0.00044	J	0.00043	U
Cl7-BZ#173	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl7-BZ#174	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00024	J	0.00043	U
Cl7-BZ#175	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl7-BZ#176	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl7-BZ#177	MG/KG	0.00029	J	0.00049	U	0.00049		0.00055		0.00043	U
Cl7-BZ#178	MG/KG	0.00027	J	0.00049	U	0.00037	J	0.00036	J	0.00043	U
Cl7-BZ#180	MG/KG	0.0043		0.0013		0.0053		0.0055		0.0018	
Cl7-BZ#182/#187	MG/KG	0.0038		0.0019		0.005		0.0052		0.0023	
Cl7-BZ#183	MG/KG	0.0017		0.00061		0.0022		0.0023		0.00082	
Cl7-BZ#184	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl7-BZ#185	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl7-BZ#188	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl7-BZ#189	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl7-BZ#191	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl7-BZ#193	MG/KG	0.00025	J	0.00049	U	0.00034	J	0.00039	J	0.00043	U
Cl8-BZ#194	MG/KG	0.00073		0.00049	U	0.00087		0.00084		0.00031	J
Cl8-BZ#195	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl8-BZ#196/203	MG/KG	0.00079	J	0.00098	U	0.00093		0.00096	J	0.00045	J
Cl8-BZ#197	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl8-BZ#199	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl8-BZ#200	MG/KG	0.00046	U	0.00049	U	0.00029	J	0.00049	U	0.00043	U
Cl8-BZ#201	MG/KG	0.00034	J	0.00033	J	0.00049		0.00061		0.00034	J
Cl8-BZ#202	MG/KG	0.00046	U	0.00049	U	0.00027	J	0.00024	J	0.00043	U
Cl8-BZ#205	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl9-BZ#206	MG/KG	0.00039	J	0.00041	J	0.00063		0.00044	J	0.00037	J
Cl9-BZ#207	MG/KG	0.00046	U	0.00049	U	0.00046	U	0.00049	U	0.00043	U
Cl9-BZ#208	MG/KG	0.00046	U	0.00049	U	0.00023	J	0.00049	U	0.00043	U
Cl10-BZ#209	MG/KG	0.00046	U	0.00049	U	0.00025	J	0.00049	U	0.00026	J
Aroclor-1232	MG/KG	0.0092	U	0.0098	U	0.0092	U	0.0098	U	0.0085	U
Aroclor-1242	MG/KG	0.0092	U	0.0098	U	0.0092	U	0.0098	U	0.0085	U
Aroclor-1248	MG/KG	0.0092	U	0.0098	U	0.0092	U	0.0098	U	0.0085	U
Aroclor-1254	MG/KG	0.0092	U	0.0098	U	0.0092	U	0.0098	U	0.0085	U
Aroclor-1260	MG/KG	0.0092	U	0.0098	U	0.0092	U	0.0098	U	0.0085	U

Table 8B Sample Data for Scup (mg/kg wet weight) Area III 2007

	Sample#	NBH07-FF-A-3		NBH07-FF-B-3		NBH07-FF-D-3		NBH07-FF-E-3		NBH07-FF-F-3	
	Species	Scup		Scup		Scup		Scup		Scup	
	Area	III		III		III		III		III	
	Station	Station A		Station B		Station D		Station E		Station F	
Parameter	Units										
Lipids	PERCENT	1.1		1.3		0.71		1.0		1.0	
Total PCB Congeners (CALC)	MG/KG	0.14	J3	0.31	J3	0.15	J2	0.10	J2	0.39	J3
Total PCB Congeners Hits (CALC)	MG/KG	0.13		0.30		0.13		0.084		0.38	
Total NOAA Congeners (CALC)	MG/KG	0.083	J4	0.18	J4	0.084	J4	0.057	J3	0.24	J4
Total WHO Congeners (CALC)	MG/KG	0.023	J3	0.049	J3	0.023	J3	0.015	J2	0.069	J3
Total WHO+NOAA Congeners (CALC)	MG/KG	0.086	J3	0.19	J4	0.086	J3	0.060	J3	0.25	J4
Total Aroclor (CALC)	MG/KG	0.0040	U	0.0043	U	0.0046	U	0.0046	U	0.0047	U
Cl1-BZ#1	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl1-BZ#3	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl2-BZ#4/#10	MG/KG	0.00079	U	0.00085	U	0.00091	U	0.00091	U	0.00093	U
Cl2-BZ#5/#8	MG/KG	0.00079	U	0.00085	U	0.00091	U	0.00091	U	0.00093	U
Cl2-BZ#6	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl2-BZ#7	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl2-BZ#12/#13	MG/KG	0.00079	UJ	0.00085	UJ	0.00091	UJ	0.00091	UJ	0.00093	UJ
Cl2-BZ#15	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl3-BZ#16/#32	MG/KG	0.00079	U	0.00085	U	0.00091	U	0.00091	U	0.00093	U
Cl3-BZ#17	MG/KG	0.00039	U	0.00028	J	0.00045	U	0.00045	U	0.00023	J
Cl3-BZ#18	MG/KG	0.00027	J	0.00038	J	0.00023	J	0.00045	U	0.00069	
Cl3-BZ#19	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl3-BZ#21/#33	MG/KG	0.00079	U	0.00085	U	0.00091	U	0.00091	U	0.00093	U
Cl3-BZ#22	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00031	J
Cl3-BZ#24/#27	MG/KG	0.00079	U	0.00085	U	0.00091	U	0.00091	U	0.00093	U
Cl3-BZ#25	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00031	J
Cl3-BZ#26	MG/KG	0.0004		0.00045		0.00034	J	0.00023	J	0.0013	
Cl3-BZ#28/#31	MG/KG	0.0013		0.0018		0.00095		0.00065	J	0.0045	
Cl3-BZ#29	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl3-BZ#37	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl4-BZ#40	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl4-BZ#41/#71	MG/KG	0.00063	J	0.0017		0.00083	J	0.00091	U	0.0034	
Cl4-BZ#42	MG/KG	0.00036	J	0.00058		0.00026	J	0.00045	U	0.00043	J
Cl4-BZ#43/#49	MG/KG	0.0033		0.0062		0.0029		0.0012		0.0088	
Cl4-BZ#44	MG/KG	0.00045		0.001		0.00044	J	0.00027	J	0.0013	
Cl4-BZ#45	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl4-BZ#46	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl4-BZ#47/#48	MG/KG	0.0022		0.004		0.002		0.00088	J	0.0071	
Cl4-BZ#50	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl4-BZ#51	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl4-BZ#52	MG/KG	0.0027		0.0058		0.0029		0.0012		0.011	
Cl4-BZ#53	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl4-BZ#54	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl4-BZ#56/#60	MG/KG	0.00045	J	0.00081	J	0.00045	J	0.00091	U	0.0017	
Cl4-BZ#63	MG/KG	0.00022	J	0.00047		0.00023	J	0.00045	U	0.00073	
Cl4-BZ#64	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl4-BZ#66	MG/KG	0.0032		0.0064		0.0029		0.0014		0.01	
Cl4-BZ#70	MG/KG	0.00022	J	0.00034	J	0.00045	U	0.00023	J	0.00042	J
Cl4-BZ#74	MG/KG	0.0016	J	0.0031	J	0.0015	J	0.00081	J	0.0061	J
Cl4-BZ#76	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl4-BZ#77	MG/KG	0.00026	J	0.00035	J	0.00045	U	0.00045	U	0.00046	
Cl4-BZ#81	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl5-BZ#82	MG/KG	0.0002	J	0.00036	J	0.00045	U	0.00045	U	0.00033	J
Cl5-BZ#83	MG/KG	0.00039	U	0.00023	J	0.00045	U	0.00045	U	0.00046	U
Cl5-BZ#85	MG/KG	0.0014		0.0027		0.0013		0.00072		0.0038	
Cl5-BZ#87	MG/KG	0.0014		0.0033		0.0014		0.00083		0.0044	
Cl5-BZ#89	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl5-BZ#91	MG/KG	0.00072		0.0015		0.00066		0.00034	J	0.0016	
Cl5-BZ#92	MG/KG	0.00053		0.0018		0.00061		0.00035	J	0.0015	
Cl5-BZ#95	MG/KG	0.00083		0.0024		0.00095		0.00054		0.003	
Cl5-BZ#97	MG/KG	0.0019		0.0045		0.0018		0.00086		0.0044	
Cl5-BZ#99	MG/KG	0.011		0.025		0.012		0.006		0.029	
Cl5-BZ#100	MG/KG	0.00039	U	0.00034	J	0.00045	U	0.00045	U	0.00037	J
Cl5-BZ#101/#84	MG/KG	0.0098	J	0.023	J	0.01	J	0.0056	J	0.03	J
Cl5-BZ#104	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl5-BZ#105	MG/KG	0.0023		0.0048		0.0022		0.0015		0.0081	
Cl5-BZ#107	MG/KG	0.0015		0.0035		0.0016		0.00083		0.0036	
Cl5-BZ#110	MG/KG	0.0021		0.0045		0.0022		0.00096		0.0078	
Cl5-BZ#114	MG/KG	0.00039	U	0.00025	J	0.00045	U	0.00045	U	0.00036	J
Cl5-BZ#118	MG/KG	0.014		0.03		0.014		0.0085		0.043	
Cl5-BZ#119	MG/KG	0.00063		0.0014		0.00065		0.00028	J	0.0015	

Table 8B Sample Data for Scup (mg/kg wet weight) Area III 2007

	Sample#	NBH07-FF-A-3		NBH07-FF-B-3		NBH07-FF-D-3		NBH07-FF-E-3		NBH07-FF-F-3	
Cl5-BZ#123	MG/KG	0.00034	J	0.00074		0.0003	J	0.00045	U	0.0009	
Cl5-BZ#124	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl5-BZ#126	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl6-BZ#129	MG/KG	0.00039	U	0.00025	J	0.00045	U	0.00045	U	0.00046	U
Cl6-BZ#130	MG/KG	0.00051		0.0014		0.00049		0.0003	J	0.00091	
Cl6-BZ#131	MG/KG	0.00079	U	0.00085	U	0.00091	U	0.00091	U	0.00093	U
Cl6-BZ#132/#168	MG/KG	0.00079	U	0.001		0.00091	U	0.00091	U	0.00087	J
Cl6-BZ#134	MG/KG	0.00039	U	0.00063		0.00023	J	0.00045	U	0.00038	J
Cl6-BZ#135/#144	MG/KG	0.00079	U	0.00078	J	0.00091	U	0.00091	U	0.00067	J
Cl6-BZ#136	MG/KG	0.00039	U	0.00045		0.00045	U	0.00045	U	0.00044	J
Cl6-BZ#137	MG/KG	0.00048		0.0012		0.00049		0.00039	J	0.0019	
Cl6-BZ#138/#163	MG/KG	0.014	J	0.032	J	0.015	J	0.0096	J	0.038	J
Cl6-BZ#141	MG/KG	0.00033	J	0.00088		0.00036	J	0.00025	J	0.0009	
Cl6-BZ#146	MG/KG	0.004		0.0091		0.0042		0.0029		0.0095	
Cl6-BZ#147	MG/KG	0.00049		0.0014		0.00062		0.00034	J	0.0012	
Cl6-BZ#149	MG/KG	0.0035		0.0086		0.0037		0.002		0.0088	
Cl6-BZ#151	MG/KG	0.00053		0.0015		0.0006		0.0004	J	0.0011	
Cl6-BZ#153	MG/KG	0.024		0.055		0.023		0.017		0.063	
Cl6-BZ#154	MG/KG	0.00052		0.00096		0.00047		0.00035	J	0.00086	
Cl6-BZ#155	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl6-BZ#156	MG/KG	0.0011		0.0027		0.001		0.00084		0.0033	
Cl6-BZ#157	MG/KG	0.00035	J	0.00078		0.0003	J	0.00028	J	0.00086	
Cl6-BZ#158	MG/KG	0.00091	J	0.0022	J	0.00092	J	0.00074	J	0.0034	J
Cl6-BZ#167/#128	MG/KG	0.0037	J	0.0084	J	0.0036	J	0.0026	J	0.011	J
Cl6-BZ#169	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl7-BZ#170/#190	MG/KG	0.0014		0.0032		0.0015		0.0014		0.0041	
Cl7-BZ#171	MG/KG	0.00037	J	0.00086		0.00042	J	0.00046		0.0011	
Cl7-BZ#172	MG/KG	0.00039	U	0.0005		0.00045	U	0.00045	U	0.00043	J
Cl7-BZ#173	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl7-BZ#174	MG/KG	0.00039	U	0.00038	J	0.00045	U	0.00045	U	0.00031	J
Cl7-BZ#175	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl7-BZ#176	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl7-BZ#177	MG/KG	0.00027	J	0.00091		0.00034	J	0.00029	J	0.00052	
Cl7-BZ#178	MG/KG	0.0002	J	0.00058		0.00045	U	0.00045	U	0.00028	J
Cl7-BZ#180	MG/KG	0.0024		0.0054		0.0025		0.0026		0.0071	
Cl7-BZ#182/#187	MG/KG	0.0028		0.0059		0.003		0.0031		0.0051	
Cl7-BZ#183	MG/KG	0.00099		0.0022		0.001		0.0011		0.0025	
Cl7-BZ#184	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl7-BZ#185	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl7-BZ#188	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl7-BZ#189	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl7-BZ#191	MG/KG	0.00039	U	0.00022	J	0.00045	U	0.00045	U	0.00046	U
Cl7-BZ#193	MG/KG	0.00039	U	0.00037	J	0.00045	U	0.00045	U	0.00034	J
Cl8-BZ#194	MG/KG	0.00041		0.00088		0.00045	U	0.00062		0.0012	
Cl8-BZ#195	MG/KG	0.00039	U	0.00024	J	0.00045	U	0.00045	U	0.00034	J
Cl8-BZ#196/203	MG/KG	0.00051	J	0.001		0.0006	J	0.00074	J	0.0012	
Cl8-BZ#197	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl8-BZ#199	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl8-BZ#200	MG/KG	0.00039	U	0.00025	J	0.00045	U	0.00045	U	0.00046	U
Cl8-BZ#201	MG/KG	0.00034	J	0.00079		0.00033	J	0.00051		0.0005	
Cl8-BZ#202	MG/KG	0.00039	U	0.00031	J	0.00045	U	0.00023	J	0.00046	U
Cl8-BZ#205	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl9-BZ#206	MG/KG	0.00036	J	0.00058		0.00064		0.00065		0.00066	
Cl9-BZ#207	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00045	U	0.00046	U
Cl9-BZ#208	MG/KG	0.00039	U	0.00042	U	0.00045	U	0.00023	J	0.00046	U
Cl10-BZ#209	MG/KG	0.00039	U	0.00023	J	0.00025	J	0.00031	J	0.00046	U
Aroclor-1232	MG/KG	0.0079	U	0.0085	U	0.0091	U	0.0091	U	0.0093	U
Aroclor-1242	MG/KG	0.0079	U	0.0085	U	0.0091	U	0.0091	U	0.0093	U
Aroclor-1248	MG/KG	0.0079	U	0.0085	U	0.0091	U	0.0091	U	0.0093	U
Aroclor-1254	MG/KG	0.0079	U	0.0085	U	0.0091	U	0.0091	U	0.0093	U
Aroclor-1260	MG/KG	0.0079	U	0.0085	U	0.0091	U	0.0091	U	0.0093	U

Appendix B

Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Seafood Contaminant Survey Monitoring
2007 Sampling

Introduction:

Seventy-nine fish tissue samples were collected from New Bedford Harbor, MA, during 2007. Samples were preserved by freezing (-20°C) and were received in May through October, 2007, by Alpha Woods Hole Laboratory located in Mansfield, Massachusetts. Tissue samples were analyzed for the following parameters: polychlorinated biphenyls (PCBs) by GC/MS Single Ion Monitoring (SIM) and percent lipids.

Tissue samples were analyzed in eight separate data sets: 0707134 (quahogs), 0707131 (lobster meat), 0707132 (blue crabs), 0707133 (eels), 0707177 (lobster tomalley), 0710166 (post-spawn quahogs), 0710167 (black sea bass), and 0710168 (scup/alewife). Tier I+ data validation was performed for all data sets. The data packages were validated using Region I EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (USEPA, 1996), Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses (USEPA, 2004), Alpha Woods Hole Laboratory Standard Operating Procedure (SOP) O-010 (Alpha, 2002), and the New Bedford Harbor Seafood Contaminant Survey Quality Assurance Project Plan (MADEP, 9/13/05).

For Tier I+ data validation, data were evaluated for the following parameters:

*	Collection and Preservation
*	Holding Times
*	Data Completeness
*	Initial Calibration (only if problems noted in case narrative)
	Continuing Calibration (only if problems noted in case narrative)
	Blanks
*	Surrogate Standards
	Standard Reference Material
	Laboratory Control Samples
	Matrix Spike/Matrix Spike Duplicates
*	Laboratory Duplicates
*	Internal Standards (only if problems noted in case narrative)
	Target Compound Quantitation (only if problems noted in case narrative)

* - all criteria were met for this parameter

In general, laboratory performance is considered acceptable and all results are usable. The following qualifying statements have been applied to the 2007 data set.

Continuing Calibration

PCB (0707131) – The narrative states that continuing calibration percent differences for congener BZ 12/13 were outside the control limit of 25.0 in three continuing calibration standards associated with the samples. Positive and non-detected results for congener BZ 12/13 for all samples in this batch were qualified as estimated (J/UJ).

PCB (0707132) – The narrative states that continuing calibration percent differences for congener BZ 12/13 were outside the control limit of 25.0 in four continuing calibration standards associated with the samples. Positive and non-detected results for congener BZ 12/13 for all samples in this batch were qualified as estimated (J/UJ).

PCB (0707134) – The narrative states that continuing calibration percent differences for several congeners were outside the control limit of 25.0. Percent differences for congeners BZ 12/13 (26.6, 27.5), BZ 208 (26.0), BZ 206 (31.0, 26.0), and BZ 209 (33.3, 28.6) were outside the 25.0 control limit. Positive and non-detected results for these congeners for all samples in this batch were qualified as estimated (J/UJ) in all samples.

PCB (0710168) – The narrative states that the continuing calibration percent difference for congener BZ 12/13 (29.2) was outside the control limit of 25.0. Positive and non-detected results for congener BZ 12/13 for all samples in this batch were qualified as estimated (J/UJ).

Blanks

PCB (0707134) – Congeners BZ 99 (0.27 ug/kg), BZ 118 (0.57 ug/kg), and BZ 153 (0.59 ug/kg) were reported in the method blank. Action levels were established at five times the blank detection for each congener and compared to sample data. Positive sample results greater than the action level were reported unqualified. Positive sample detections that were less than the action level and less than the reporting limit were qualified as non-detected (U) at the reporting limit. Positive sample detections that were less than the action level and greater than the reporting limit were qualified as non-detected (U) at the reported sample concentration.

PCB (0707177) – Forty-three congeners were detected in the method blank at concentrations below and above the reporting limit. Action levels were established at five times the blank detections and compared to sample data. Positive sample results greater than the action level were reported unqualified. Positive sample detections that were less than the action level and less than the reporting limit were qualified as non-detected (U) at the reporting limit. Positive sample detections that were less than the action level and greater than the reporting limit were qualified as non-detected (U) at the reported sample concentration.

Standard Reference Material

PCB (0707133) – Percent recoveries for congeners BZ 52 (158), BZ 43/49 (143), BZ101/84 (170), BZ 99 (144), BZ 87 (152), BZ 138/163 (146), and BZ 167/128 (150) were above the 60-140 control limits indicating potential high biases. Positive results for the affected congeners were reported in all samples and were qualified as estimated (J).

PCB (0710166) – Percent recovery for congener BZ 101/84 (148) in the Standard Reference Material was outside the 60-140 control limits. A potential slight high bias is indicated for this congener, and positive results for BZ 101/84 in all samples were qualified as estimated (J).

PCB (0710168) – Percent recoveries for congeners BZ 74 (145), BZ 101/84 (148), BZ 138/163 (141), BZ 158 (141), and BZ 167/128 (148) were above the 60-140 control limits indicating potential high biases. Positive results for the affected congeners were reported in all samples and were qualified as estimated (J).

PCB (0710167) – An SRM was not extracted concurrently with the samples of SDG 0710167. The SRM that would apply to SDG 0710167 (fish tissue matrix) was extracted and reported with SDG 0710168, and no data qualifiers were required for SDG 0710167.

Laboratory Control Samples

PCB (0707131) – Percent recoveries for congener BZ 95 (59/59) in the laboratory control sample/laboratory control sample duplicate were outside the 60-140 control limits. A potential slight low bias is indicated for this congener; therefore, positive and non-detected results for BZ 95 were qualified as estimated (J/UJ) in all samples in SDG 0707131.

PCB (0707132) – Percent recoveries for congeners BZ 18 (58) and BZ 95 (56/57) in the laboratory control sample and/or laboratory control sample duplicate were outside the 60-140 control limits. Potential low biases are indicated for these congeners. Positive detections of BZ 18 and BZ 95 were reported in all samples, and results were qualified as estimated (J).

PCB (0707177) – Percent recoveries for congeners BZ 5/8 (56), BZ 18 (53), BZ 45 (59), BZ 47/48 (59), and BZ 95 (55) in the laboratory control sample duplicate were outside the 60-140 control limits. Potential low biases are indicated for these congeners. Positive and non-detected results for BZ 5/8, BZ 18, BZ 45, BZ 47/48, and BZ 95 were qualified as estimated (J/UJ) in all samples.

Matrix Spike/Matrix Spike Duplicates

PCB (0707132) – Sample NBH07-L-A-1 was used for the matrix spike/matrix spike duplicate (MS/MSD) analyses. The sample and MS/MSD were analyzed without dilutions and at four-fold dilutions due to high concentrations of target analytes in the native sample.

In both sets of MS/MSD data, the majority of spiked analytes had percent recoveries that were outside the 60-140 control limits, most likely due to the high PCB concentrations present in the native sample. In the final results reported for sample NBH-L-A-1, the following analytes were qualified as estimated (J/UJ): BZ 5/8, BZ 18, BZ 28/31, BZ 52, BZ 43/49, BZ47/48, BZ 44, BZ 74, BZ 66, BZ 95, BZ 56/60, BZ 101/84, BZ 99, BZ 77, BZ 110, BZ 151, BZ 149, BZ 118, BZ 146, BZ 153, BZ 105, BZ 138/163, BZ 158, BZ 126, BZ 182/187, BZ 183, BZ 167/128, BZ 156, BZ 157, BZ 180, BZ 170/190, BZ 194, and BZ 209.

PCB (0707133) – Sample NBH07-FF-B-1 was used for the MS analysis. In the initial undiluted analysis, percent recoveries of congeners BZ 52, BZ 43/49, BZ47/48, BZ 74, BZ 66, BZ 101/84, BZ 99, BZ 81, BZ 87, BZ110, BZ149, BZ 118, BZ 146, BZ 153, BZ 105, BZ 138/163, BZ 158, BZ 182/187, BZ 167/128, and BZ 180 were above the 60-140 control limits indicating potential high biases for positive results. In addition, the percent recovery of congener BZ 126 (37) was below the 60-140 control limits indicating a potential low bias. The matrix spike was reanalyzed at a dilution with similar results. Positive results were reported in NBH07-FF-B-1 for all affected congeners and were qualified as estimated (J).

PCB (0707134) – Sample NBH07-SF-B-1 was used for the MS/MSD analyses. Percent recovery of congener BZ 118 (142) was greater than the 60-140 control limits, indicating a potential slight high bias for positive detections of BZ 118 in sample NBH07-SF-B-1. The positive detection of BZ 118 in NBH07-SF-B-1 was qualified as estimated (J).

PCB (0707177) – Sample NBH07-L-A-3 was used for the matrix spike analysis. The sample and matrix spike were analyzed without dilutions and at fifty-fold dilutions due to high concentrations of target analytes in the native sample. Several congeners in both the undiluted and diluted matrix spike analyses had percent recoveries that were above the 60-140 control limits, indicating potential high biases which may be a result of the high PCB concentrations in the native sample. In the final results reported for sample NBH07-L-A-3, the following analytes were qualified as estimated (J) and may represent potential high biases: BZ 28/31, BZ 47/48, BZ 74, BZ 66, BZ 101/84, BZ 99, BZ 118, BZ 146, BZ 153, BZ 105, BZ 138/163, BZ 182/187, and BZ 167/128.

<u>Target Compound Quantitation</u>

PCB (0707177) – The narrative stated that Aroclor identification was difficult due to the complex matrix of the lobster tomalley tissue samples.

References:

U.S. Environmental Protection Agency (USEPA), 1996. “Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses, Parts I and

II," Quality Assurance Unit Staff; Office of Environmental Measurement and Evaluation; December, 1996.

U.S. Environmental Protection Agency (USEPA), 2004. "Region I, Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses;" Hazardous Site Evaluation Division; Draft, February, 2004.

MADEP, 9/13/05. "Quality Assurance Project Plan for the New Bedford Harbor Seafood Contaminant Survey," Massachusetts Department of Environmental Protection; September, 2005.

Alpha Woods Hole Laboratory, 2002. "Determination of PCB Homologs and Individual Congeners by GC/MS-SIM," Alpha Woods Hole Group Environmental Laboratories; October, 2002.

Data Validator: Julie Ricardi

Signature Signature on file Date February 5, 2008

Appendix C

Seafood Monitoring - Field Sampling Activities for the New Bedford Harbor Superfund Site
2007 Annual Report

Seafood Monitoring - Field Sampling Activities for the New Bedford Harbor Superfund Site
2007 Annual Report

Frank Germano, Aquatic Biologist III
Massachusetts Division of Marine Fisheries
January 2, 2008

The Massachusetts Division of Marine Fisheries (*MarineFisheries*) under an agreement with the Massachusetts Department of Environmental Protection (MassDEP) collects legal size fish and shellfish from the three New Bedford Harbor fish closure areas. At the end of the collection period, these frozen samples were delivered to the Alpha Woods Hole Laboratories in Raynham, Massachusetts for analysis. MassDEP provides the results of the analyses to EPA to monitor and support the site remediation project. This report describes *MarineFisheries*' field activities in 2007 in accordance with the Seafood Monitoring and Field Sampling Work Plan and makes recommendations for the upcoming 2008 field season based on results obtained during the previous field season.

Sample Sites

The three Fish Closure Areas are identified in Attachment 1 from the EPA Record of Decision for the Upper and Lower Operable Unit, New Bedford Harbor Superfund Site, New Bedford, Massachusetts, dated September 25, 1998. These three Fish Closure Areas were designated by the Mass. Dept. of Public Health in 1979. Area 1 includes the waters of the Acushnet River and the New Bedford/Fairhaven Inner Harbor north of the Hurricane Barrier. Area 2 comprises the waters of the Outer Harbor and Clarks Cove south of the Hurricane Barrier and north of a line drawn from Wilbur Point in Fairhaven to Ricketsons Point in Dartmouth. Area 3 is that portion of Buzzards Bay south of the line drawn from Wilbur Point in Fairhaven to Ricketsons Point in Dartmouth and north of a line drawn from Rocky Point on West Island in Fairhaven to the Negro Ledge C3 buoy then to Mishaum Point in Dartmouth.

There are five original sample stations in each of the three fish closure areas in the waters of the City of New Bedford and the Towns of Dartmouth and Fairhaven. Station locations within each area vary for different species as what may be suitable habitat for one species may not be suitable for another (Attachment 1 – Figure 1 to 9). Additional sample locations were added in 2007 for Area 2 quahog, as described below.

2007 Field Collections

Complete information including the harvest dates, collection identification information, species, station identification information, location by latitude and longitude, and collection method is appended to this report as Attachment 2 – Collection Sheets 1 to 8.

American lobster (*Homarus americanus*) & Blue crab (*Callinectes sapidus*)
Lobsters were harvested by pots during the months of May and June (see Figure 2 and Collection Form 1). Three legal size lobsters were collected at each of the five stations in Areas 2 and 3. Three lobsters were also collected from Station E in Area 1. As the Inner Harbor is not lobster habitat, blue crabs were collected at the remaining four Area 1 stations in June. Three legal size blue crabs were harvested from each station (see Figure 3 and Collection Form 2).

Quahog (*Mercenaria mercenaria*)
Marine Fisheries collected pre-spawn and post-spawn quahogs from thirteen stations in the three Fish Closure Areas. Quahog sample stations in the three areas were rearranged for 2007 at the request of the EPA and MassDEP. Stations A, C and D in Area 1, Stations A and E in Area 2 and Station A in Area 3 were not sampled. Stations F, G and H were added to Area 2 as well as Station F in Area 3. Pre-spawn quahogs were collected in June and July (see Figure 4 and Collection Form 3). Post-spawn quahogs were collected in the period August through October (see Figure 5 and Collection Form 4). Twelve legal size quahogs were collected from each station in order to provide sufficient sample sizes for the Work Plan.

Alewife (*Alosa pseudoharengus*)
Due to restoration work in the Acushnet River, Alewife stations A-1 and B-1 were discontinued. In 2007, five alewife were collected at the New Bedford Reservoir at Station C-1 in May (see Figure 6 and Collection Form 5).

American eel (*Anguilla rostrata*)
Eels were harvested using traditional eel pots at five stations in Area 1 and at station C, just south of the hurricane barrier in Area 2 in June and July (see Figure 7 and Collection Form 6). Three legal-sized eels were collected at each station. Despite intensive sampling efforts, no eel were taken from the remaining portion of Area 2 and Area 3. As noted in previous reports, these areas are not considered to optimum habitat for eels.

Winter Flounder (*Pseudopleuronectes americanus*)
In an effort to collect winter flounder in Areas 2 & 3, fish pots and gill nets were set at several different locations. Despite considerable effort, no flounder were harvested at any stations.

Black Sea Bass (*Centropristes striata*)
In 2007, Black Sea Bass Station C-3 was discontinued and reestablished at Black Sea Bass Station F-3. As per the work plan, five legal size black sea bass were harvested in June, August and September from each of these stations of the Area 2 and 3 stations except Station C-2 where only four sea bass were caught (see Figure 8 and Collection Form 7). Pots set in Area 1 did not catch Black Sea Bass.

Scup (*Stenotomus chrysops)*
As with the Black Sea Bass, Scup Station C-3 was also discontinued and reestablished at Scup Station F-3. Five legal size scup were collected in July and August at the ten stations in Areas 2 and 3 (see Figure 9 and Collection Form 8). While these fish were quite plentiful in Areas 2 and 3, no legal size fish were taken in Area 1. Fish pots set at several locations in the Inner Harbor (Area 1) during the period July – September only caught juvenile size scup.

Planning for 2008 Field Collections

Alewife, quahog, lobster, blue crab, eel, scup & sea bass sampling will continue as described above. Lobster will be collected in Areas 2 and 3, and efforts will continue to collect lobster in Area 1. However, as this is not considered lobster habitat, blue crabs, as in past years, will again replace lobsters as the target crustacean species in that area.

An effort will once again be made to collect winter flounder as a benthic species at all stations in all areas. Sampling will start in March, if the river and harbor are free of ice, to collect winter flounder while spawning in Areas 1 and 2. If winter flounder can not be collected at any stations in Areas 2 and 3, black sea bass will again as in the past, be harvested in their place.

ATTACHMENT 1

DMF HARVEST SITE MAPS

Note: These figures are in the main body of the "Contaminated Monitoring Report for Seafood Harvested in 2007 from the New Bedford Harbor Superfund Site" Report and the same figure numbers apply.

ATTACHMENT 2

DMF FIELD COLLECTION SHEETS

Field Collection Form 1 Lobster
Field Collection Form 2 Blue Crab
Field Collection Form 3 Quahog Pre-spawn
Field Collection Form 4 Quahog Post-spawn
Field Collection Form 5 Alewife
Field Collection Form 6 American Eel
Field Collection Form 7 Black Sea Bass
Field Collection Form 8 Scup

FIELD COLLECTION FORM 1: DIVISION MARINE FISHERIES, 838 S. RODNEY FRENCH BLVD, NEW BEDFORD, MA 02744

PROJECT #: NBH07 REQUESTED BY/AGENCY: Paul Craffey / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano CONDITION: FRESH ____ FROZEN X SAMPLE

COLLECTION DATE DDMMYY	COLLECTION TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
30/05/07	NBH07-L-A-3	3 Lobsters	Station A Angelica Rock	NBH Area 3	041º 34.600' 070º 51.566'	Lobster Pots	
30/05/07	NBH07-L-B-3	3 Lobsters	Station B Great Ledge	NBH Area 3	041º 31.591' 070º 56.110'	Lobster Pots	
24/05/07	NBH07-L-C-3	3 Lobsters	Station C SP Rock C"1"	NBH Area 3	041º 31.522' 070º 56.268'	Lobster Pots	
11/06/07	NBH07-L-D-3	3 Lobsters	Station D Sand Spit R"4"	NBH Area 3	041º 31.861' 070º 54.799'	Lobster Pots	
30/05/07	NBH07-L-E-3	3 Lobsters	Station E Lone Rock	NBH Area 3	041º 33.635' 070º 54.926'	Lobster Pots	
22/05/07	NBH07-L-A-2	3 Lobsters	Station A SMAST Pier	NBH Area 2	041º 35.556' 070º 54.669'	Lobster Pots	
30/05/07	NBH07-L-B-2	3 Lobsters	Station B Sconticut Neck	NBH Area 2	041º 35.938' 070º 52.043'	Lobster Pots	
30/05/07	NBH07-L-C-2	3 Lobsters	Station C Ricketsons Pt.	NBH Area 2	041º 34.785' 070º 55.936'	Lobster Pots	
22/05/07	NBH07-L-D-2	3 Lobsters	Station D E-Fort Rodman	NBH Area 2	041º 35.767' 070º 53.922'	Lobster Pots	
15/06/07	NBH07-L-E-2	3 Lobsters	Station E Fort Phoenix	NBH Area 2	041º 37.422' 070º 54.171'	Lobster Pots	
22/05/07	NBH07-L-E-1	3 Lobsters	Station E Palmer's Island	NBH Area 1	041º 37.582' 070º 54.181'	Lobster Pots	

FIELD COLLECTION FORM 2: DIVISION MARINE FISHERIES, 838 S. RODNEY FRENCH BLVD NEW BEDFORD, MA 02744

PROJECT #: NBH07 REQUESTED BY/AGENCY: Paul Craffey / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano CONDITION: FRESH____

FROZEN__X__ SAMPLE

COLLECTION DATE DDMMYY	COLLECTION TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN. SEC.	COLLECTION METHOD	RESERVED FOR OFFICE USE
27/06/07	NBH07-L-A-1	3 Blue Crabs	Station A N of Coggeshall	NBH Area 1	041^{O} 39.648' 070^{o} 55.149'	Crab Pots	
22/06/07	NBH07-L-B-1	3 Blue Crabs	Station B Revere Brass Pier	NBH Area 1	041^{o} 39' 03" 070^{O} 55' 17"	Crab Pots	
22/06/07	NBH07-L-C-1	3 Blue Crabs	Station C NE of Popes	NBH Area 1	041^{o} 38' .703' 070^{o} 54' .820'	Crab Pots	
27/06/07	NBH07-L-D-1	3 Blue Crabs	Station D N of Crow I	NBH Area 1	041º 38.248' 070º 54.638'	Crab Pots	

FIELD COLLECTION FORM 3: DIVISION MARINE FISHERIES, 838 S. RODNEY FRENCH BLVD, NEW BEDFORD, MA 02744

PROJECT #: NBH07 REQUESTED BY/AGENCY: Paul Craffey / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano SAMPLE CONDITION: FRESH ____

FROZEN __X__

COLLECTION DATE DDMMYY	COLLECTION TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
11/06/07	NBH07-SF-B-1	12 Quahogs (Prespawn)	Station B Palmers Island	NBH Area 1	041º 37.330' 070º 54.647'	Rake	
11/06/07	NBH07-SF-E-1	12 Quahogs (Prespawn)	Station E Tin Can Island	NBH Area 1	041º 39.172' 070º 55.058'	Rake	
29/06/07	NBH07-SF-B-2	12 Quahogs (Prespawn)	Station B Rogers Street	NBH Area 2	041º 36.500' 070º 55.820'	Rake	
29/06/07	NBH07-SF-C-2	12 Quahogs (Prespawn)	Station C S of Fredrick St Ramp	NBH Area 2	041º 36.650' 070º 54.345'	Rake	
03/07/07	NBH07-SF-D-2	12 Quahogs (Prespawn)	Station D Egg Island	NBH Area 2	041º 36.422 070º 53.290'	Rake	
02/07/07	NBH07-SF-F-2	12 Quahogs (Prespawn)	Station F Priest's Cove	NBH Area 2	041º 37.700' 070º 52.740'	Rake	
29/06/07	NBH07-SF-G -2	12 Quahogs (Prespawn)	Station G W Rodney Family Area	NBH Area 2	041º 36.205' 070º 54.842'	Rake	
29/06/07	NBH07-SF-H -2	12 Quahogs (Prespawn)	Station H E Rodney Family Area	NBH Area 2	041º 35.790' 070º 54.108'	Rake	
29/06/07	NBH07-SF-B-3	12 Quahogs (Prespawn)	Station B Star of the Sea	NBH Area 3	041º 35.410' 070º 57.524'	Rake	
29/06/07	NBH07-SF-C-3	12 Quahogs (Prespawn)	Station C Wilburs Point	NBH Area 3	041º 34.899' 070º 51.211'	Rake	
29/06/07	NBH07-SF-D-3	12 Quahogs (Prespawn)	Station D Nakata Beach	NBH Area 3	041º 35.102' 070º 51.192'	Rake	
04/06/07	NBH07-SF-E-3	12 Quahogs (Prespawn)	Station E E. Bent Ledge	NBH Area 3	041º 34.130' 070º 54.820'	Rake	
29/06/07	NBH07-SF-F-3	12 Quahogs (Prespawn)	Station F G Bourne Knowles Pier	NBH Area 3	041 34.664' 070 56.902'	Rake	

FIELD COLLECTION FORM 4: DIVISION MARINE FISHERIES, NEW BEDFORD OFFICE, 838 S. RODNEY FRENCH BLVD, NEW BEDFORD, MA 02744

PROJECT #: NBH07 REQUESTED BY/AGENCY: Paul Craffey / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano SAMPLE CONDITION: FRESH____

FROZEN__X__

COLLECTION DATE DDMMYY	COLLECTION TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
24\08\07	NBH07-SF-B-1	12 Quahogs (Postspawn)	Station B Palmers Island	NBH Area 1	041º 37.330' 070º 54.647'	Rake	
24\08\07	NBH07-SF-E-1	12 Quahogs (Postspawn)	Station E Tin Can Island	NBH Area 1	041º 39.172' 070º 55.058'	Rake	
24\08\07	NBH07-SF-B-2	12 Quahogs (Postspawn)	Station B Rogers Street	NBH Area 2	041º 36.500' 070º 55.820'	Rake	
24\08\07	NBH07-SF-C-2	12 Quahogs (Postspawn)	Station C S of Fredrick St Ramp	NBH Area 2	041º 36.650' 070º 54.345'	Rake	
24\08\07	NBH07-SF-D-2	12 Quahogs (Postspawn)	Station D Egg Island	NBH Area 2	041º 36.422 070º 53.290'	Rake	
24\08\07	NBH07-SF-F-2	12 Quahogs (Postspawn)	Station F Priest's Cove	NBH Area 2	041º 37.700' 070º 52.740'	Rake	
24\08\07	NBH07-SF-G -2	12 Quahogs (Postspawn)	Station G W Rodney Family Area	NBH Area 2	041º 36.205' 070º 54.842'	Rake	
24\08\07	NBH07-SF-H -2	12 Quahogs (Postspawn)	Station H E Rodney Family Area	NBH Area 2	041º 35.790' 070º 54.108'	Rake	
25/09/07	NBH07-SF-B-3	12 Quahogs (Postspawn)	Station B Star of the Sea	NBH Area 3	041º 35.410' 070º 57.524'	Rake	
29/08/07	NBH07-SF-C-3	12 Quahogs (Postspawn)	Station C Wilburs Point	NBH Area 3	041º 34.899' 070º 51.211'	Rake	
29/08/07	NBH07-SF-D-3	12 Quahogs (Postspawn)	Station D Nakata Beach	NBH Area 3	041º 35.102' 070º 51.192'	Rake	
09/10/07	NBH07-SF-E-3	12 Quahogs (Postspawn)	Station E E. Bent Ledge	NBH Area 3	041º 34.130' 070º 54.820'	Dredge	
25/09/07	NBH07-SF-F-3	12 Quahogs (Postspawn)	Station F G Bourne Knowles Pier	NBH Area 3	041 34.664' 070 56.902'	Rake	

FIELD COLLECTION FORM 5: DIVISION MARINE FISHERIES, 838 S. RODNEY FRENCH BLVD, NEW BEDFORD, MA 02744

PROJECT #: NBH07 REQUESTED BY/AGENCY: Paul Craffey / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano SAMPLE CONDITION: FRESH ____

FROZEN __X__

COLLECTION DATE DDMMYY	COLLECTION TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
03/05/07	NBH07-FF-C-1	5 Alewife	Station C Dam	NBH Area 1	041º 43.724' 070º 53.915'	Net	

FIELD COLLECTION FORM 6: DIVISION MARINE FISHERIES, 838 S. RODNEY FRENCH BLVD, NEW BEDFORD, MA 02744

PROJECT #: NBH07 REQUESTED BY/AGENCY: Paul Craffey/ Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano SAMPLE CONDITION: FRESH ____

FROZEN __X__

COLLECTION DATE DDMMYY	COLLECTION TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
01/06/07	NBH07-FF-A-1	3 American Eels	Station A Frankie Silvia's Pier	NBH Area 1	041º 37.500' 070º 54.550'	Eel Pots	
19/06/07	NBH07-FF-B-1	3 American Eels	Station B North of Kelley's Marina	NBH Area 1	041º 38.350' 070º 54.490'	Eel Pots	
15/06/07	NBH07-FF-C-1	3 American Eels	Station C North of Popes Island	NBH Area 1	041º 38.520' 070º 54..840'	Eel Pots	
15/06/07	NBH07-FF-E-1	3 American Eels	Station E Revere Brass Pier	NBH Area 1	041º 39.020' 070º 55.210'	Eel Pots	
11/07/07	NBH07-FF-D-1	3 American Eels	Station D North of Coggeshall Bridge	NBH Area 1	041º 39.648' 070º 55.149'	Eel Pots	
27/06/07	NBH07-FF-C-2	3 American Eels	Station C W of Opening	NBH Area 2	041º 37.110' 070º 54.470'	Eel Pots	

FIELD COLLECTION FORM 7: DIVISION MARINE FISHERIES, NEW BEDFORD OFFICE, 838 S. RODNEY FRENCH BLVD, NEW BEDFORD, MA 02744

PROJECT #: NBH07 REQUESTED BY/AGENCY: Paul Craffey / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano SAMPLE CONDITION: FRESH ____

FROZEN __X__

COLLECTION DATE DDMMYY	COLLECTION TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
29/08/07	NBH07-FF-B-3	5 Black Sea Bass	Station B Negro Ledge	NBH Area 3	041º 32.922' 070º 52.023'	Fish Pots	
16/08/07	NBH07-FF-D-3	5 Black Sea Bass	Station D Radome	NBH Area 3	041º 32.281' 070º 55.292'	Fish Pots	
14/09/07	NBH07-FF-F-3	5 Black Sea Bass	Station F North Ledge	NBH Area 3	041º 34.341' 070º 53.234'	Fish Pots	
29/08/07	NBH07-FF-A-3	5 Black Sea Bass	Station A Great Ledge	NBH Area 3	041º 31.591' 070º 56.110'	Fish Pots	
14/09/07	NBH07-FF-E-3	5 Black Sea Bass	Station E Angelica Rock	NBH Area 3	041º 34.600' 070º 51.498'	Fish Pots	
14/08/07	NBH07-FF-B-2	5 Black Sea Bass	Station B E of Fort Rodman	NBH Area 2	041º 35.596' 070º 53.922'	Fish Pots	
14/08/07	NBH07-FF-D-2	5 Black Sea Bass	Station D Lighthouse	NBH Area 2	041º 36.242' 070º 53.683'	Fish Pots	
14/08/07	NBH07-FF-A-2	5 Black Sea Bass	Station A SMAST Pier	NBH Area 2	041º 35.556' 070º 54.669'	Fish Pots	
28/08/07	NBH07-FF-E-2	5 Black Sea Bass	Station E Egg Island	NBH Area 2	041º 36.523' 070º 53.258'	Fish Pots	
11/06/07	NBH07-FF-C-2	4 Black Sea Bass	Station C W of Opening	NBH Area 2	041º 37.380' 070º 54.430'	Fish Pots	

FIELD COLLECTION FORM 8: DIVISION MARINE FISHERIES, 838 S. RODNEY FRENCH BLVD,NEW BEDFORD, MA 02744

PROJECT #: NBH07 REQUESTED BY/AGENCY: Paul Craffey / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano CONDITION: FRESH____

FROZEN__X__ SAMPLE

COLLECTION DATE DDMMYY	COLLECTION TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
29/08/07	NBH07-FF-A-3	5 Scup	Station A Great Ledge	NBH Area 3	041º 31.591' 070º 56.110'	Fish Pots	
29/08/07	NBH07-FF-B-3	5 Scup	Station B Negro Ledge	NBH Area 3	041º 32.922' 070º 52.023'	Fish Pots	
29/08/07	NBH07-FF-F-3	5 Scup	Station F North Ledge	NBH Area 3	041º 34.341' 070º 53.234'	Fish Pots	
29/08/07	NBH07-FF-D-3	5 Scup	Station D Radome	NBH Area 3	041º 32.281' 070º 55.292'	Fish Pots	
30/07/07	NBH07-FF-E-3	5 Scup	Station E Angelica Rock	NBH Area 3	041º 34.599' 070º 51.565'	Fish Pots	
29/08/07	NBH07-FF-A-2	5 Scup	Station A SMAST Pier	NBH Area 2	041º 35.556' 070º 54.669'	Fish Pots	
30/07/07	NBH07-FF-B-2	5 Scup	Station B E of Fort Rodman	NBH Area 2	041º 35.596' 070º 53.922'	Fish Pots	
30/07/07	NBH07-FF-C-2	5 Scup	Station C W of Opening	NBH Area 2	041º 37.380' 070º 54.430'	Fish Pots	
17/08/07	NBH07-FF-D-2	5 Scup	Station D Lighthouse	NBH Area 2	041º 36.242' 070º 53.683'	Fish Pots	
17/08/07	NBH07-FF-E-2	5 Scup	Station E Egg Rocks	NBH Area 2	041º 36.523' 070º 53.258'	Fish Pots	

Appendix D Congeners Used to Quantitate Aroclors /Determination of PCBs by GC/MS-SIM for Aroclor

New Bedford Harbor Seafood Monitoring Program

Congeners Used to Quantitate Aroclor 1232

C11-BZ#1
C11-BZ#3
C12-BZ#4#10
C12-BZ #5#8
C12-BZ#12/#13

Congeners Used to Quantitate Aroclor 1242

C12-BZ#4#10
C12-BZ#5#8
C13-BZ#18
C13-BZ#17
C13-BZ#28#31

Congeners Used to Quantitate Aroclor 1248

C14-BZ#52
C14BZ#43#49
C14-BZ#44
C14-BZ #41#71
C14-BZ#70

Congeners Used to Quantitate Aroclor 1254

C15BZ#101/#84
C16-BZ#154
C15-BZ#118
C16-BZ #153
C16-BZ#138/#163

Congeners Used to Quantitate Aroclor 1260

C17-BZ#174
C17-BZ#180
C17-BZ#170 BZ #190
C18-BZ #201
C18-BZ#196/203

Determination of PCBs by GC/MS-SIM for Aroclor

1.0 Sample Analysis for Aroclor by GC/MS – SIM

1.1 Analyze extracts using the same experimental conditions used for the analysis of the calibration standards. All the Aroclors will be analyzed as one point calibrations after the congener calibration curve. Ensure that calibration verification standards (Aroclor 1660) are interspersed, at least, every 20 samples or every 12 hour period. Area measurements will be performed on 3-5 discrete peaks that will be as unique as possible for the Aroclor they represent.

1.2 Qualitative identification of multicomponent analytes (Aroclors) requires pattern matching between the calibration standards and the response observed in the sample. Retention time windows should be used as a gauge; however, pattern recognition for the multicomponent analytes is most important. Qualitative identification for congeners are made when a peak in a sample is observed within the retention time window for a calibrated analyte. In other words, an Aroclor is not considered present in a sample unless the Aroclor has a recognizable pattern to the standard(s) established during calibration. Congeners may be detected without an Aroclor pattern being identified.

1.3 For samples with PCB Aroclors positively identified, compare the responses of the 3 to 5 major peaks in the single point calibration standard for that Aroclor with the peaks observed in the sample extract. The relative peaks and number of peaks in the sample should be similar to that observed in the standard; however, degradation, weathering and interferences may cause the sample pattern to differ from that observed from the standard. The peaks chosen for quantitation must be free from interferences. Calculate the concentration of each corresponding peak in the sample chromatogram and the 3 to 5 resulting concentrations are averaged to provide the final result for the sample.

1.4 The multi-point curve for the individual congeners is used to describe the linear range of the instrument. Single point calibration standards for the Aroclors will follow the congener calibration. These single point calibrations will be used qualitatively and quantitativly for the Aroclors. The congener continuing calibrations will be used to assure the linearity of the analytical system.