Polycyclic Aromatic Hydrocarbon Concentrations in the Upper Water Column during the *Deepwater Horizon* Oil Spill

Technical Report

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1. Introduction

Over the course of the *Deepwater Horizon* (DWH) oil spill in the Gulf of Mexico, much of the oil released from the wellhead quickly rose to the ocean surface and formed surface oil slicks. These surface slicks, or floating oils, moved away from the wellhead, spreading out and covering hundreds of square kilometers of the ocean's surface (Graettinger et al., 2015). Wave action and turbulence within the upper water column would have naturally dispersed and entrained some oil droplets and lighter oil constituents into the upper water column (Delvigne and Sweeney, 1988; NRC, 2003; Li et al., 2009; Reed et al., 2009). Oil spill responders also applied chemical dispersants to the ocean surface with the intent of breaking the oil slicks into smaller droplets that would then disperse naturally into the water column (NRC, 2005; Li et al., 2009). Because of this natural and human-induced dispersion of oil, biota, including plankton, fish, and invertebrates in the upper water column, were exposed to dispersed oil droplets, chemicals that dissolved from the oil, and dispersant chemicals.

To evaluate the distribution of oil concentrations resulting from natural and chemical dispersion in the upper water column during the DWH spill, we analyzed available water chemistry data. The water chemistry data came from multiple sampling surveys that researchers conducted to assess water column oil concentrations after the incident. DWH oil spill responders, BP, and DWH Trustees (Trustees) conducted the sampling surveys during and after the spill, gathering data for use in the ensuing natural resource damage assessment (NRDA). We used a dataset compiled from these multiple sources for the upper water column injury quantification, with the aim of estimating the distribution of oil in offshore, shelf, and estuarine waters. Our initial evaluation of oil concentrations in the water column focused on water samples collected in the upper 50 m of the water column, which included the upper, mixed layer of the ocean. Subsequently, we classified these upper water column samples according to their proximity, both spatially and temporally, to floating oil.

Oil is a complex mixture made up of thousands of organic compounds, many of which are not amenable to current analytical techniques. As a result, oil concentrations in the environment are often described in terms of the concentrations of a limited set of compounds found in the oil. Typically, when assessing the effects of oil, researchers focus on the concentrations of polycyclic aromatic hydrocarbons (PAHs), which are the set of compounds thought to be the most toxic (NRC, 2003). The DWH NRDA toxicity testing program generally reported effect concentrations in terms of the sum of 50 PAHs (TPAH50; Forth et al., 2015; Morris et al., 2015). Consequently, for comparison of toxicity test results, we also used TPAH50 to describe oil concentrations.

2. Methods

2.1 Water Sample Data Compilation

We downloaded the water column dataset for our analysis on March 25, 2015 from DIVER, a data management tool developed by the National Oceanic and Atmospheric Administration (NOAA; DIVER, 2015). We obtained the data using a guided query: Contaminant Chemistry Results → Calculate Total PAHs → Water. Within this guided query, we applied the following filters: all water column data sources were included (i.e., NRDA, BPNRDA, Response, and BP Public), below-detection-limit values were set to zero, and CROSS_TPAH was the chosen method to sum the PAH analyte data to get TPAH50 concentrations.

After we downloaded the dataset from DIVER, we updated it with a set of errata for the Trustee NRDA data, provided by Applied Science Associates (ASA) in an email to Connie Travers at Abt Associates from Greg Baker at NOAA on March 16, 2015 (see DIVER, 2015). NOAA is currently incorporating these updates into DIVER, but they were not available during the March 25, 2015 download. We further filtered the dataset using the criteria specified in Table 1 to remove quality-control-identified samples, field duplicates, and non-whole water samples. Finally, we limited the water dataset to samples collected at depths of 50 m or less from April 1, 2010 to August 31, 2010. In DIVER, a value of -9 indicated that the sample collection depth was not specified during collection. Inspection of the locations of the samples with "unspecified" depths indicated that they were typically collected in shallow water near the shoreline. Thus, for our initial data evaluation, we designated these unspecified-depth samples as surface samples.

Table 1. Selection criteria for identifying whole-water samples with PAH analyses in DIVER

Field name	Whole-water sample selection criteria
Lab Replicate	"1," "1a," "not_defined," or "SMP"
Sample_Type	"Sample" or "Natural Sample"
Upper_Sample_Depth	≤ 50 (this includes -9 samples)[a]
Sample_Date	April 1, 2010–August 31, 2010
Lab-Result_Matrix_Detailed	"Water (whole)," "Total," or "Oil"

a. In DIVER, -9 indicates that the sample was collected at an unspecified depth.

Some water samples were analyzed and reported as dissolved and particulate fractions rather than whole-water samples. So that we could include these data in our analysis, we paired the dissolved and particulate samples and then summed their concentrations to estimate the presumed TPAH50 concentrations for whole water. For these samples, we used the same query

criteria as specified in Table 1, except we selected dissolved and particulate samples for the *Lab-Result_Matrix_Detailed* field (Table 2). The dissolved and particulate water samples were then paired using a key of paired sample identifications (IDs) provided by William Driskell to Heather Forth at Abt Associates via email on August 27, 2014 (Appendix A). Once paired, we summed the TPAH50 concentrations to get an estimated whole-water TPAH50 concentration. For the resultant paired dataset, we removed any dissolved or particulate water samples that did not have a respective pair. We then merged the dissolved/particulate paired water sample table with the estimated whole-water TPAH50 concentrations from the whole-water dataset described above to create the final merged, field-collected water sample dataset.

Table 2. Selection criteria for identifying dissolved and particulate water samples with PAH analyses in DIVER

Field name	Dissolved and particulate water sample selection criteria
Lab Replicate	"1," "1a," "not_defined," or "SMP"
Sample_Type	"Sample" or "Natural Sample"
Upper_Sample_Depth	≤ 50 (this includes -9 samples)[a]
Sample_Date	April 1, 2010–August 31, 2010
Lab-Result_Matrix_Detailed	"Water (filtered/dissolved)," "Dissolved," "Filter/particulate measured as solution," or "Suspended particulate"

a. In DIVER, -9 indicates that samples were collected at an unspecified depth.

2.2 Correlating Water Samples Collected in the Upper Water Column to the Location of Floating Oil

We used an analysis of satellite images taken during the DWH spill to estimate the location and extent of floating oil on the Gulf (ERMA, 2015; Graettinger et al., 2015). For comparison to water samples, we used daily synthetic aperture radar (SAR) images, analyzed with a textural classification neural network algorithm (TCNNA) that detected the presence of oil on water (see Graettinger et al., 2015 and Garcia-Pineda et al., 2015). Surface oil was detected on the Gulf from April 23 to August 11, 2010 (ERMA, 2015).

We identified water samples as intersecting floating oil if they were collected within the estimated extent of oil, or the oil "footprint," based on the SAR image analysis on the same day. We then grouped the samples collected outside of the extent of the floating oil into three additional proximity groups: within 1 km of floating oil, 1–20 km from floating oil, and beyond 20 km from floating oil. Figure 1 shows an example of the methodology applied for June 1, 2010, a single day of the spill. SAR images were not available for all days of the oil spill. Samples that were collected on dates that did not have an available SAR image were not assigned to a proximity group.

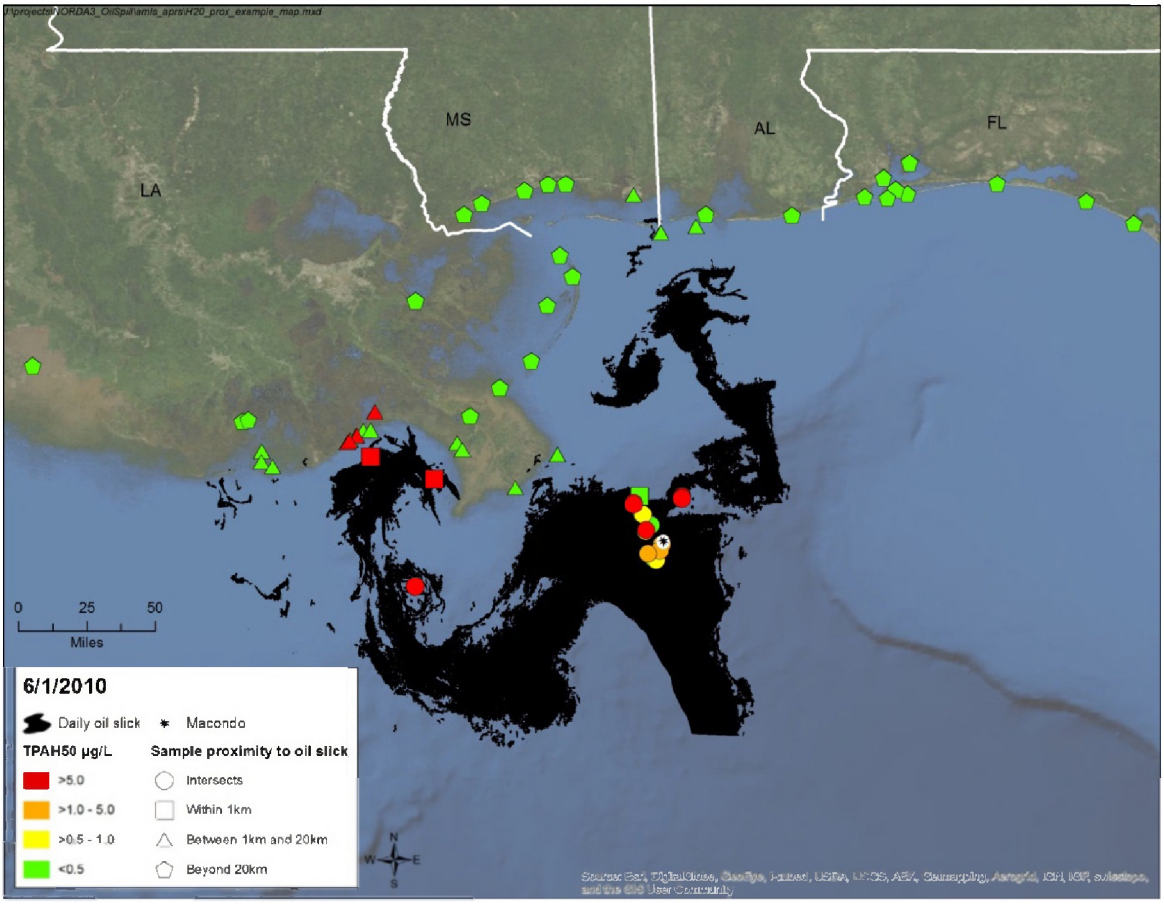

Figure 1. Water samples collected on June 1, 2010 and their proximity to the concurrent SAR-detected oil slick. For the analysis, we used water samples collected from 0 to 50-m depth, assessing the vertical distribution of the data. For this example, the various colors indicate concentrations of TPAH50 in water column samples collected from 0–20 m in depth, with red indicating the highest concentrations and green indicating concentrations below 0.5 µg/L TPAH50. The symbol shape indicates the distance between the location where the sample was collected and the oil slick on that day.

3. Results and Discussion

3.1 Correlation between PAHs in the Upper Water Column and Floating Oil

Our final, compiled water sample dataset from DIVER, containing more than 10,500 water samples, included actual and calculated whole-water PAH samples collected in the upper water column from April through August 2010. Nearly 6,600 samples were collected on dates when a SAR image was analyzed. The majority of these samples were collected at distances greater than 20 km from the floating oil; only 581 samples were collected within the footprint of the floating oil. The data for these 581 samples are included in Appendix B.

TPAH50 concentrations in the upper water column correlated well with the areas that had detectable surface oil in SAR. As an example, we evaluated samples with a TPAH50 concentration exceeding 0.5 µg/L, which is sufficiently high to harm sensitive life stages of biota in the presence of UV light (Morris et al., 2015). For samples in the upper 2 m of the water column, the percentage of the samples that exceeded 0.5 µg/L TPAH50 was 54% for those that intersected the oil slick, but decreased to 15% for samples within 1 km of the oil slick, 5% within 20 km, and only 2% at distances beyond 20 km (Table 3).

Table 3. Percentage of samples with greater than 0.5 µg/L TPAH50 (total number of samples)

	Depth (m)			
	0–2[a]	2–10	10–30	30–50
Within footprint of floating oil	54% (284)	35% (155)	15% (62)	6% (80)
Within 1 km of floating oil	15% (195)	12% (49)	0% (14)	4% (24)
Within 20 km of floating oil	5% (968)	9% (139)	9% (93)	3% (63)
Beyond 20 km of floating oil	2% (3,859)	3% (304)	4% (223)	2% (82)

a. Includes unspecified depth samples. Inspection of locations of samples with "unspecified" depths in DIVER suggested that samples were typically collected in shallow water near the shoreline. For our initial data evaluation, we designated these unspecified-depth samples as surface samples (see discussion in Section 2.1).

We also found a correlation between TPAH50 concentrations and sample depth. For example, for samples collected within the footprint of floating oil and within 1 km of floating oil, the percentage of samples that exceeded 0.5 µg/L was considerably lower for the 10–30 m and 30–50 m depths, compared to the corresponding 0–2 and 2–10 m depths (Table 3). For samples collected 1–20 km and beyond 20 km from the floating oil, the percentage of samples exceeding 0.5 µg/L was low across all depth bins; there was no apparent correlation with depth. Ultimately, given the strong relationship between proximity to floating oil and elevated PAHs in the

underlying water column, we focused our subsequent evaluations on only those samples that were collected within the footprint of the floating oil.

3.2 Defining the Upper Mixing Zone for Entrainment of Oil

We evaluated the relationship between TPAH50 concentrations and sample collection depth to understand the vertical distribution of oil entrained under an oil slick (Figure 2). From this distribution, we found that PAHs were not detectable or were only detectable at low concentrations below depths of 20 m; the exception was for samples near the Macondo wellhead, which may have been collected in the rapidly surfacing oil. A lower mixing depth of 20 m is also consistent with conductivity, temperature, and depth (CTD) data collected during many of the cruises over the course of the DWH oil spill. Grennan et al. (2014) found that the average depth of the upper, mixed layer in the vicinity of the DWH spill site was approximately 16 m, but extended to depths of 29 m at some times. Based on the available data, we focused our analysis of surface oil effects on the upper 20 m of the water column.

Some water samples collected at the ocean surface contained particularly high TPAH50 concentrations. We hypothesized that these high concentrations were the result of floating oil in the water sample. These concentrations would represent what an organism at the surface of the ocean might encounter, but do not necessarily represent the concentrations in water beneath the surface slick. Because our goal for the upper mixing zone analysis was to characterize concentrations of oil entrained and dissolved in the water column, we did not use samples collected at a depth of 0 m or samples with an unspecified depth for the upper mixing zone analyses.

3.3 Vertical Distribution of TPAH50 in Upper Water Column

Excluding the surface samples and all samples collected below 20 m produced a final water sample dataset with 378 samples. Of the 378 sample records in the depth range of 0.1–20 m, 308 samples contained detectable TPAH50 concentrations and 70 samples (19%) contained no detectable PAHs.

We used samples with detectable TPAH50 concentrations to fit a regression model that estimates $\log_{10}$(TPAH50) as a function of sample depth, yielding the following equation:

$$\text{Log}_{10}(\text{TPAH50}) = -0.0203 - (0.0651 * \text{depth}),$$

where TPAH50 is in µg/L and depth is in meters. The slope estimate was significantly different from zero ($p < 0.001$). The standard error among residuals was 0.757, and the distribution of residuals met normality assumptions.

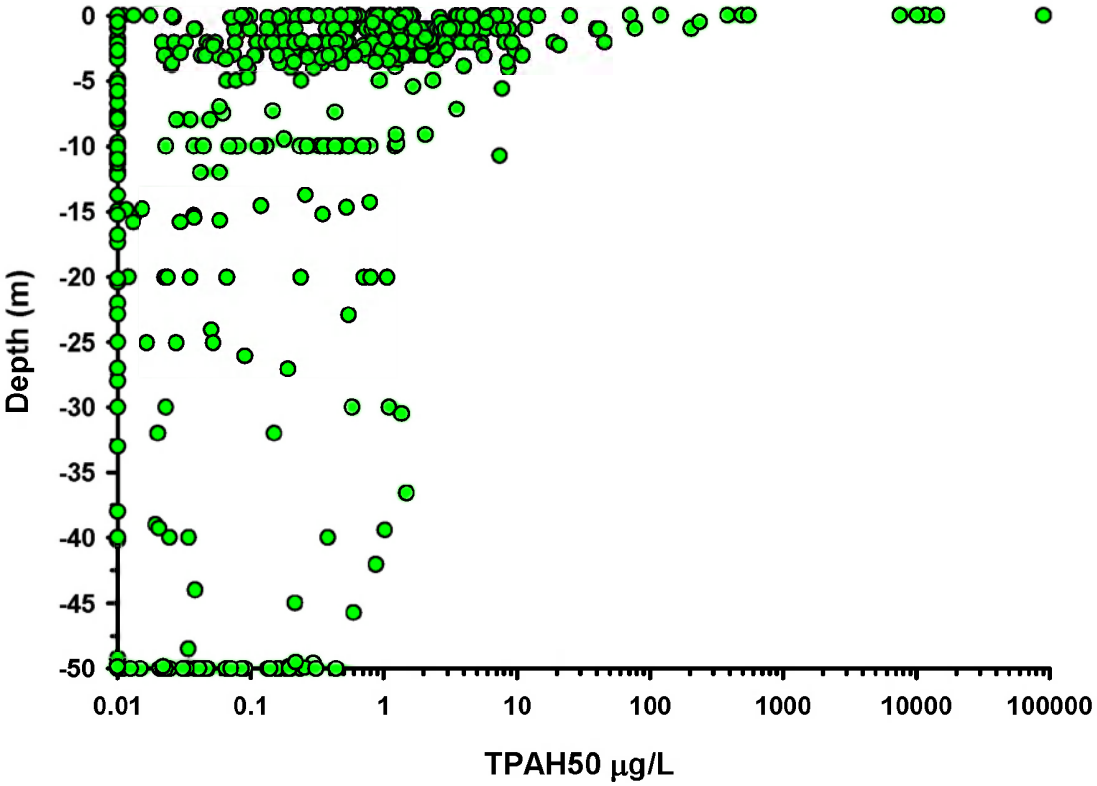

Figure 2. Empirical TPAH50 concentrations in water column samples collected at the surface or beneath surface oil slicks over the course of the spill (green dots). Depth is the sampling depth below the water surface. Samples with TPAH50 concentrations lower than 0.01 µg/L are plotted at 0.01 µg/L.

We then generated pseudo-random Gaussian values of $\log_{10}$(TPAH50) as a function of depth using the estimated model and standard error, and we back-transformed the pseudo-random values to the measurement scale (Figure 3). To account for the 19% of samples in the complete set of 378 that had no detectable TPAH50 concentrations, we set 19% of the values that we generated to a TPAH50 concentration of 0 µg/L.

This distribution of empirical TPAH50 concentrations was used to estimate exposure and mortality of biota in the upper mixed layer (Travers et al., 2015) as part of the water column injury quantification.

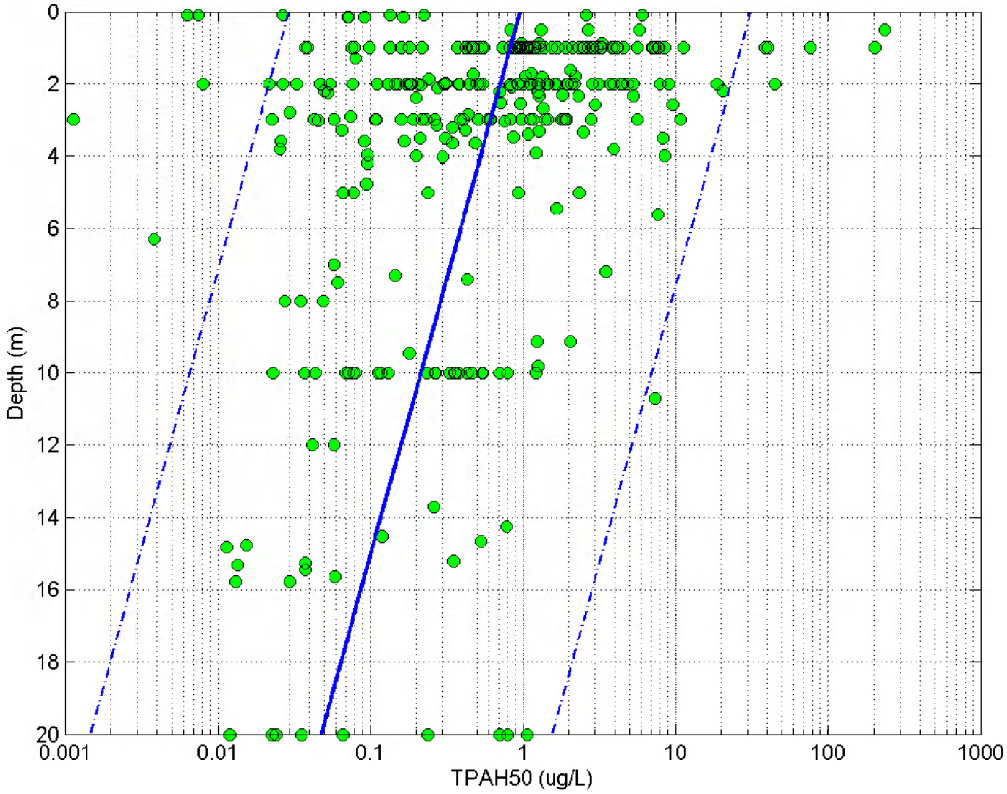

Figure 3. Empirical TPAH50 data for water column samples collected beneath surface slicks during the course of the spill (green dots), along with log-linear fit to the data (solid blue line) and 2σ range (dashed blue lines). Only samples with PAHs above the detection limit appear on this plot. Approximately 19% of all samples had no detected PAHs, which was reasonably consistent over the 20-m depth we evaluated.

3.4 Probability of Exceeding TPAH50 Concentration of 0.5 µg/L in the Upper Water Column

Using the linear regression relationship above, we estimated the probability of water samples exceeding a TPAH50 concentration of 0.5 µg/L every meter from 1 to 20 m beneath the oil slick. The probability of exceeding 0.5 µg/L decreased with depth from 0.61 at a depth of 1 m, to 0.09 at a depth of 20 m. The average probability over the entire interval was 0.32. Including the 19% of all samples that had no detectable PAHs, the probability of any water sample from a depth of > 0 m to 20 m under an oil slick exceeding 0.5 µg/L TPAH50 was 0.26. We used this probability

to estimate the volume of water injured from floating oil, which is one of the metrics used in the water column injury assessment (Travers et al., 2015).

3.5 PAHs in Estuarine Waters

In estuarine waters, we evaluated water chemistry data in areas where oil was floating. These areas included Terrebonne, Barataria, and Mobile bays, and Chandeleur and Mississippi sounds. Consistent with the methods we used for the offshore areas, the Trustees considered the sample locations relative to oil slicks detectable in SAR imagery collected on the same day. This evaluation used SAR analyses described in Garcia-Pineda et al. (2015) and focused only on oil slicks in estuarine waters, as defined by the National Wetland Inventory (Cowardin et al., 1979; Figure 4). SAR images were not available for all days during the spill; we excluded samples collected on days without a SAR image from the analysis.

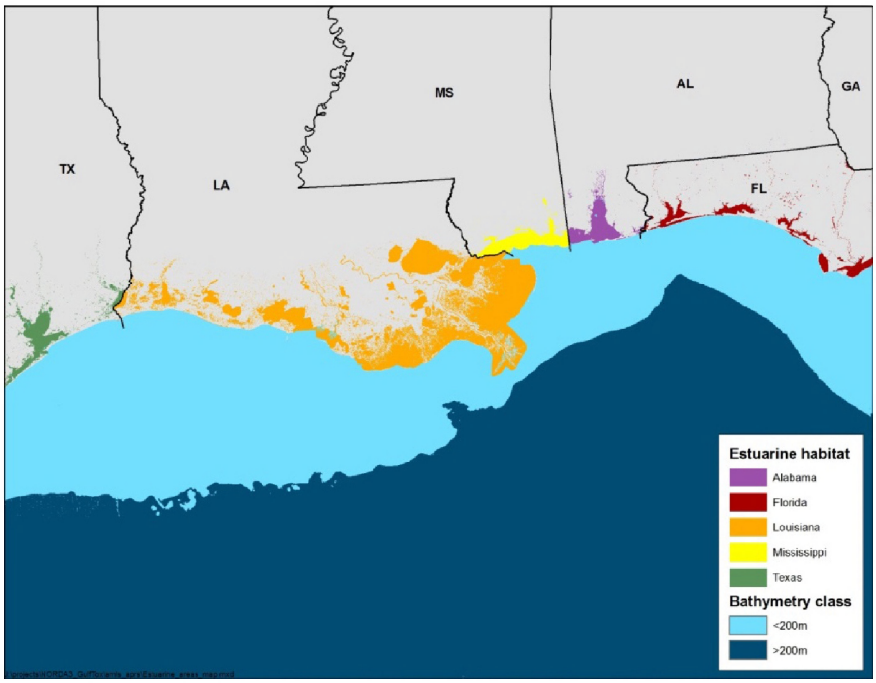

Figure 4. Areal extent of estuarine waters, by state, as defined by the National Wetland Inventory for the northern Gulf of Mexico. Estuarine waters from Cowardin et al. (1979); land modified in Louisiana using Couvillion et al. (2011). Bathymetry adapted from NOAA (2006) and (2010).

Of the 3,719 nearshore/estuarine water samples collected between April 2010 and August 2010, 96% were collected in areas or at times when SAR data did not show floating oil present. Many were collected before the arrival of floating oil or in places distant from floating oil. Only 121 of these samples were collected on the same day and within 1 km (0.6 mi) of an oil slick as determined by SAR. Because of the patchy nature of floating oil in these areas, we used the floating oil footprint, plus a 1-km buffer, in the analysis of oil in estuarine waters.

We further evaluated the oil concentrations in the 121 estuarine or nearshore water samples collected near SAR-detected oil slicks, based on whether researchers collected the samples at the water surface or at depth. Most of the samples (97) were either collected at the water surface (i.e., a reported depth of 0 m), or the sample depth was not reported. As before, we grouped the samples with an "undefined" sample depth with the surface samples. Within this group of surface samples, TPAH50 concentrations varied from trace levels to 29 µg/L. Some of these surface water samples likely included surface-slick oil. Of the 24 samples that researchers collected below the water surface (based on the reported upper and lower sample depth) and that were associated with surface slicks, 10 had non-detectable PAHs; the TPAH50 concentrations found among the remaining 14 subsurface samples were 0.05 to 0.7 µg/L.

Ultimately, the number of water analyses that researchers collected in estuarine waters near surface oil slicks during the spill was quite limited, resulting in considerable uncertainty about estuarine water concentrations associated with floating oil. However, the available data suggest that concentrations of TPAH50 were relatively low in estuarine waters below surface oil slicks. Therefore, estimates of natural resource injuries in estuarine waters relied on other lines of evidence such as the adverse effects of oil slicks (rather than PAHs) on biota (Morris et al., 2015).

3.6 Summary

Analysis of water samples collected during the DWH oil spill demonstrated that natural and chemical dispersion resulted in elevated concentrations of TPAH50 in water beneath the floating oil in shelf and offshore areas. Available data were used to develop a model of the vertical distribution of these data, and to estimate exposure in the upper mixed layer of the water column (Travers et al., 2015). In estuarine areas, few samples were collected in water beneath surface oil slicks, and those that were collected contained low concentrations of TPAH50. Consequently, injury estimates in estuarine waters focused on biological exposure to the surface oil slicks, rather than to the water below the floating oil (Morris et al., 2015; Travers et al., 2015).

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Appendix A

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
AD1-12NM-1-WP-A0721-23	1007224-02	AD1-12NM-1-WD-A0721-22	1007222-04
GU2690-A0914-W5002	1009253-06	GU2690-A0914-W5002	1009250-06
GU2690-A0914-W5004	1009253-07	GU2690-A0914-W5004	1009250-07
GU2690-A0914-W5006	1009253-08	GU2690-A0914-W5006	1009250-08
GU2690-A0915-K5081	1009253-11	GU2690-A0915-K5081	1009250-11
GU2690-A0915-W5002	1009253-12	GU2690-A0915-W5002	1009250-12
GU2690-A0915-W5004	1009253-13	GU2690-A0915-W5004	1009250-13
GU2690-A0915-W5006	1009253-14	GU2690-A0915-W5006	1009250-14
GU2690-A0915-W5008	1009253-15	GU2690-A0915-W5008	1009250-15
GU2690-A0916-K5091	1009253-10	GU2690-A0916-K5091	1009250-10
GU2690-A0916-W5002	1009253-09	GU2690-A0916-W5002	1009250-09
GU27879-A0910-W5002	1009201-05	GU27879-A0910-W5002	1009198-09
GU27879-A0910-W5004	1009201-06	GU27879-A0910-W5004	1009198-10
GU27879-A0910-W5006	1009201-07	GU27879-A0910-W5006	1009198-11
GU27879-A0910-W5008	1009201-09	GU27879-A0910-W5008	1009198-13
GU27879-A0910-W5010	1009201-10	GU27879-A0910-W5010	1009198-14
GU27879-A0910-W5012	1009201-11	GU27879-A0910-W5012	1009198-15
NULL	NULL	GU2788-A0816-WF802D	1008268-01
NULL	NULL	GU2788-A0816-WF806D	1008268-02
NULL	NULL	GU2788-A0817-WF805D	1008268-04
NULL	NULL	GU2788-A0818-WF803D	1008268-05
GU2788-A0826-W5001F	1008400-02	GU2788-A0826-W5001E	1008397-02
GU2788-A0826-W5002F	1008400-03	GU2788-A0826-W5002E	1008397-03
GU2788-A0826-W5003F	1008400-04	GU2788-A0826-W5003E	1008397-04
GU2788-A1214-Ww4781	1012087-01	GU2788-A1214-Ww4781	1012088-01
GU2788-A1214-Ww4782	1012087-02	GU2788-A1214-Ww4782	1012088-02
NULL	NULL	GU2789-A0816-WF809D	1008268-03
GU2789-A0819-WF810-H2	1008321-01	GU2789-A0819-WF810D	1008312-01
GU2789-A0820-WF810-H2	1008321-02	GU2789-A0820-WF810D	1008312-02
GU2789-A0830-W5001F	1009034-02	GU2789-A0830-W5001E	1009031-02
GU2789-A0830-W5002F	1009034-03	GU2789-A0830-W5002E	1009031-03
NULL	NULL	GU2789-A0830-W5003E	1009031-04
GU2789-A0830-W5004F	1009034-05	GU2789-A0830-W5004E	1009031-05

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
GU2789-A0830-W5005F	1009034-06	GU2789-A0830-W5005E	1009031-06
GU2789-A0830-W5006F	1009034-07	GU2789-A0830-W5006E	1009031-07
GU2789-A0831-W5001F	1009034-08	GU2789-A0831-W5001E	1009031-08
NULL	NULL	GU2789-A0831-W5002E	1009031-09
GU2789-A0831-W5003F	1009034-10	GU2789-A0831-W5003E	1009031-10
GU2789-A0901-W5001F	1009100-01	GU2789-A0901-W5001E	1009097-01
GU2789-A0901-W5002F	1009100-02	GU2789-A0901-W5002E	1009097-02
GU2789-A0901-W5003F	1009100-03	GU2789-A0901-W5003E	1009097-03
GU2789-A0901-W5004F	1009100-04	GU2789-A0901-W5004E	1009097-04
GU2789-A0902-W5001F	1009100-06	GU2789-A0902-W5001E	1009097-06
GU2789-A0902-W5002F	1009100-07	GU2789-A0902-W5002E	1009097-07
GU2789-A0902-W5003F	1009100-08	GU2789-A0902-W5003E	1009097-08
GU2789-A0902-W5004F	1009100-09	GU2789-A0902-W5004E	1009097-11
GU2789-A0902-W5005F	1009100-10	GU2789-A0902-W5005E	1009097-12
GU2789-A0902-W5006F	1009100-11	GU2789-A0902-W5006E	1009097-09
GU2789-A0909-K5084	1009201-01	NULL	NULL
GU2789-A0909-W5002	1009201-02	GU2789-A0909-W5001	1009198-06
GU2789-A0909-W5004	1009201-03	GU2789-A0909-W5004	1009198-07
GU2789-A0909-W5006	1009201-04	NULL	NULL
GU2789-A0909-W5008	1009201-08	GU2789-A0909-W5008	1009198-12
GU-2789-A0918-K5094	1009316-01	NULL	NULL
GU-2789-A0918-W5002	1009316-02	GU-2789-A0918-W5002	1009315-05
GU-2789-A0918-W5004	1009316-03	GU-2789-A0918-W5004	1009315-06
GU-2789-A0918-W5006	1009316-04	GU-2789-A0918-W5006	1009315-07
GU-2789-A0918-W5008	1009316-05	GU-2789-A0918-W5008	1009315-08
GU2789-A0919-W5002	1009316-06	GU2789-A0919-W5002	1009315-09
GU2789-A0919-W5004	1009316-07	GU2789-A0919-W5004	1009315-10
GU2789-A0919-W5006	1009316-08	GU2789-A0919-W5006	1009315-11
GU2789-A0920-W5002	1009316-09	GU2789-A0920-W5002	1009315-12
GU2789-A0920-W5004	1009316-10	GU2789-A0920-W5004	1009315-13
GU2789-A0920-W5006	1009316-11	GU2789-A0920-W5006	1009315-14
GU2789-A0920-W5008	1009316-12	GU2789-A0920-W5008	1009315-15
GU2789-A0920-W5010	1009316-13	GU2789-A0920-W5010	1009315-16
GU2789-A0920-W5012	1009316-14	GU2789-A0920-W5012	1009315-17
GU2789-A0920-W5014	1009316-15	GU2789-A0920-W5014	1009315-18

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
GU2789-A0924-K5096	1009393-01	NULL	NULL
GU2789-A0924-W5002	1009393-02	GU2789-A0924-W5002	1009390-02
GU2789-A0924-W5004	1009393-03	GU2789-A0924-W5004	1009390-03
GU2789-A0924-W5007	1009393-04	GU2789-A0924-W5007	1009390-04
GU2789-A0925-W5002	1009393-05	GU2789-A0925-W5002	1009390-05
GU2789-A0925-W5004	1009393-06	GU2789-A0925-W5004	1009390-06
GU2789-A0925-W5006	1009393-07	GU2789-A0925-W5006	1009390-07
GU2789-A0925-W5008	1009393-08	GU2789-A0925-W5008	1009390-08
GU2789-A0925-W5010	1009393-09	GU2789-A0925-W5010	1009390-09
GU2789-A0926-W5002	1009393-10	GU2789-A0926-W5002	1009390-10
GU2789-A1218-Ww41004	1012106-08	GU2789-A1218-Ww41004	1012105-09
GU2789-A1218-Ww41006	1012106-09	GU2789-A1218-Ww41006	1012105-10
GU2789-A1218-Ww41021	1012106-10	GU2789-A1218-Ww41021	1012105-11
GU2789-A1218-Ww41024	1012106-11	GU2789-A1218-Ww41023	1012105-08
NULL	NULL	GU2789-A1218-Ww41024	1012105-12
GU2789-A1218-Ww4954	1012106-06	GU2789-A1218-Ww4954	1012105-06
GU2789-A1218-Ww4955	1012106-07	GU2789-A1218-Ww4955	1012105-07
GU2789-A1219-Ww41038	1012106-01	GU2789-A1219-Ww41038	1012105-01
GU2789-A1219-Ww41039	1012106-02	GU2789-A1219-Ww41039	1012105-02
GU2789-A1219-Ww41058	1012106-12	GU2789-A1219-Ww41058	1012115-01
GU2789-A1219-Ww41060	1012106-13	GU2789-A1219-Ww41060	1012115-02
GU2789-A1219-Ww41080	1012106-14	GU2789-A1219-Ww41080	1012115-03
GU2789-A1219-Ww41081	1012106-15	GU2789-A1219-Ww41081	1012115-04
GU2790-A0821-WF803-H2	1008321-03	GU2790-A0821-WF803D	1008312-03
GU2790-A0911-K5080	1009209-01	NULL	NULL
GU2790-A0911-W5002	1009209-02	GU2790-A0911-W5002	1009206-02
GU2790-A0911-W5004	1009209-03	GU2790-A0911-W5004	1009206-03
GU2790-A0911-W5006	1009209-04	GU2790-A0911-W5006	1009206-04
GU2790-A0911-W5008	1009209-05	GU2790-A0911-W5008	1009206-05
GU2790-A0911-W5010	1009209-06	GU2790-A0911-W5010	1009206-06
GU2790-A0911-W5012	1009209-07	GU2790-A0911-W5012	1009206-07
GU2790-A0911-W5014	1009209-08	GU2790-A0911-W5014	1009206-08
GU2790-A0913-W5002	1009253-01	GU2790-A0913-W5002	1009250-01
GU2790-A0913-W5004	1009253-02	GU2790-A0913-W5004	1009250-02
GU2790-A0913-W5006	1009253-03	GU2790-A0913-W5006	1009250-03

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
GU2790-A0913-W5008	1009253-04	GU2790-A0913-W5008	1009250-04
GU2790-A0913-W5010	1009253-05	GU2790-A0913-W5010	1009250-05
NULL	NULL	GU2888-A0814-WF810D	1008211-01
GU2888-A0927-W5002	1010018-06	GU2888-A0927-W5002	1010015-06
GU2888-A0927-W5004	1010018-07	GU2888-A0927-W5004	1010015-07
GU2888-A0927-W5006	1010018-08	GU2888-A0927-W5006	1010015-08
GU2888-A0927-W5008	1010018-09	GU2888-A0927-W5008	1010015-09
GU2888-A0927-W5010	1010018-10	GU2888-A0927-W5010	1010015-10
GU2888-A0927-W5012	1010018-01	GU2888-A0927-W5012	1010015-01
GU2888-A0927-W5014	1010018-02	GU2888-A0927-W5014	1010015-02
GU2888-A0927-W5016	1010018-03	GU2888-A0927-W5016	1010015-03
GU2888-A0927-W5018	1010018-04	GU2888-A0927-W5018	1010015-04
GU2888-A0927-W5020	1010018-05	GU2888-A0927-W5020	1010015-05
GU2888-A0928-K5098	1010018-16	NULL	NULL
GU2888-A0928-W5002	1010018-11	GU2888-A0928-W5002	1010015-11
GU2888-A0928-W5004	1010018-12	GU2888-A0928-W5004	1010015-12
GU2888-A0928-W5006	1010018-13	GU2888-A0928-W5006	1010015-13
GU2888-A0928-W5008	1010018-14	GU2888-A0928-W5008	1010015-14
GU2888-A0928-W5010	1010018-15	GU2888-A0928-W5010	1010015-15
GU2888-A1204-Ww4006	1012029-01	GU2888-A1204-Ww4005	1012026-01
GU2888-A1204-Ww4012	1012029-02	GU2888-A1204-Ww4011	1012026-02
GU2888-A1204-Ww4018	1012029-03	GU2888-A1204-Ww4017	1012026-03
GU2888-A1204-Ww4024	1012029-04	GU2888-A1204-Ww4023	1012026-04
GU2888-A1205-Ww4072	1012029-05	GU2888-A1205-Ww4071	1012026-05
GU2888-A1205-Ww4125	1012029-06	GU2888-A1205-Ww4124	1012026-06
GU2888-A1207-Ww4389	1012043-05	GU2888-A1207-Ww4389	1012040-05
GU2888-A1207-Ww4390	1012043-06	GU2888-A1207-Ww4390	1012040-06
GU2888-A1207-Ww4391	1012043-07	GU2888-A1207-Ww4391	1012040-07
GU2888-A1207-Ww4409	1012043-01	GU2888-A1207-Ww4409	1012040-01
GU2888-A1207-Ww4411	1012043-02	GU2888-A1207-Ww4411	1012040-02
GU2888-A1207-Ww4412	1012043-03	GU2888-A1207-Ww4412	1012040-03
GU2888-A1207-Ww4413	1012043-04	GU2888-A1207-Ww4413	1012040-04
GU2888-A1207-Ww4433	1012043-08	GU2888-A1207-Ww4433	1012040-08
GU2888-A1207-Ww4436	1012043-09	GU2888-A1207-Ww4436	1012040-09
GU2888-A1208-Ww4471	1012043-10	GU2888-A1208-Ww4471	1012040-10

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
GU2888-A1208-Ww4516	1012043-11	GU2888-A1208-Ww4516	1012040-11
GU2888-A1208-Ww4518	1012043-12	GU2888-A1208-Ww4518	1012040-12
GU2888-A1210-Ww4558	1012057-01	GU2888-A1210-Ww4558	1012054-01
NULL	NULL	GU2888-A1210-Ww4558	1012054-01R
GU2888-A1210-Ww4559	1012057-02	GU2888-A1210-Ww4559	1012054-02
NULL	NULL	GU2888-A1210-Ww4559	1012054-02R
GU2888-A1210-Ww4581	1012057-03	GU2888-A1210-Ww4581	1012054-03
NULL	NULL	GU2888-A1210-Ww4581	1012054-03R
GU2888-A1210-Ww4584	1012057-04	GU2888-A1210-Ww4584	1012054-04
NULL	NULL	GU2888-A1210-Ww4584	1012054-04R
GU2888-A1210-Ww4604	1012057-05	GU2888-A1210-Ww4604	1012054-05
NULL	NULL	GU2888-A1210-Ww4604	1012054-05R
GU2888-A1210-Ww4608	1012057-06	GU2888-A1210-Ww4608	1012054-06
NULL	NULL	GU2888-A1210-Ww4608	1012054-06R
GU2888-A1210-Ww4631	1012057-07	GU2888-A1210-Ww4631	1012054-07
NULL	NULL	GU2888-A1210-Ww4631	1012054-07R
GU2888-A1210-Ww4635	1012057-08	GU2888-A1210-Ww4635	1012054-08
NULL	NULL	GU2888-A1210-Ww4635	1012054-08R
GU2888-A1211-Ww4672	1012057-12	GU2888-A1211-Ww4672	1012054-12
NULL	NULL	GU2888-A1211-Ww4672	1012054-12R
NULL	NULL	GU2888-A1211-Ww4674	1012054-13
NULL	NULL	GU2888-A1211-Ww4674	1012054-13R
GU2888-A1211-Ww4721	1012057-14	GU2888-A1211-Ww4721	1012054-14
NULL	NULL	GU2888-A1211-Ww4721	1012054-14R
GU2888-A1211-Ww4722	1012057-15	GU2888-A1211-Ww4722	1012054-15
NULL	NULL	GU2888-A1211-Ww4722	1012054-15R
GU2889-A1217-Ww4857	1012106-03	GU2889-A1217-Ww4857	1012105-03
GU2889-A1217-Ww4858	1012106-04	GU2889-A1217-Ww4858	1012105-04
GU2889-A1217-Ww4859	1012106-05	GU2889-A1217-Ww4859	1012105-05
HD4_HD4005_A1108_W_1150_P_126	1011096-03	HD4_HD4005_A1108_W_1150_D_125	1011091-05
HD4_HD4005_A1108_W_1377_P_120	1011096-02	HD4_HD4005_A1108_W_1377_D_119	1011091-04
HD4_HD4005_A1108_W_1540_P_111	1011096-01	HD4_HD4005_A1108_W_1540_D_110	1011091-03

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
HD4_HD4005_A1108_W_65_P_142	1011096-05	HD4_HD4005_A1108_W_65_D_141	1011091-07
HD4_HD4005_A1108_W_990_P_132	1011096-04	HD4_HD4005_A1108_W_990_D_131	1011091-06
HD4_HD4T1B1_A1114_W_1050_P_465	1011155-02	HD4_HD4T1B1_A1114_W_1050_D_464	1011152-03
HD4_HD4T1B1_A1114_W_1250_P_459	1011155-01	HD4_HD4T1B1_A1114_W_1250_D_458	1011152-08
HD4_HD4T1B1_A1114_W_1325_P_453	1011155-06	HD4_HD4T1B1_A1114_W_1325_D_452	1011152-07
HD4_HD4T1B1_A1114_W_1500_P_447	1011155-05	HD4_HD4T1B1_A1114_W_1500_D_446	1011152-06
HD4_HD4T1B1_A1114_W_700_P_471	1011155-03	HD4_HD4T1B1_A1114_W_700_D_470	1011152-04
HD4_HD4T1B1_A1114_W_75_P_477	1011155-04	HD4_HD4T1B1_A1114_W_75_D_476	1011152-05
HD4_HD4T1BOX9_A1109_W_1250_P_199	1011096-14	HD4_HD4T1BOX9_A1109_W_1250_D_198	1011091-15
HD4_HD4T1BOX9_A1109_W_1400_P_193	1011096-13	HD4_HD4T1BOX9_A1109_W_1400_D_192	1011091-14
HD4_HD4T1BOX9_A1109_W_1500_P_187	1011096-12	HD4_HD4T1BOX9_A1109_W_1500_D_186	1011091-13
HD4_HD4T1BOX9_A1109_W_1730_P_181	1011096-11	NULL	NULL
HD4_HD4T1BOX9_A1109_W_800_P_208	1011096-15	HD4_HD4T1BOX9_A1109_W_800_D_207	1011091-16
HD4_HD4T2B1_A1114_W_1200_P_429	1011144-18	HD4_HD4T2B1_A1114_W_1200_D_428	1011143-20
HD4_HD4T2B1_A1114_W_1398_P_425	1011144-17	HD4_HD4T2B1_A1114_W_1398_D_424	1011143-19
HD4_HD4T2B1_A1114_W_150_P_441	1011144-20	HD4_HD4T2B1_A1114_W_150_D_440	1011152-02
HD4_HD4T2B1_A1114_W_1637_P_414	1011144-16	HD4_HD4T2B1_A1114_W_1637_D_413	1011143-18
HD4_HD4T2B1_A1114_W_698_P_435	1011144-19	HD4_HD4T2B1_A1114_W_698_D_434	1011152-01
HD4_HD4T3B3_A1113_W_1056_P_359	1011144-07	HD4_HD4T3B3_A1113_W_1056_D_358	1011143-12

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
HD4_HD4T3B3_A1113_W_1233_P_355	1011144-11	HD4_HD4T3B3_A1113_W_1233_D_354	1011143-11
HD4_HD4T3B3_A1113_W_1365_P_344	1011144-10	HD4_HD4T3B3_A1113_W_1365_D_343	1011143-10
HD4_HD4T3B3_A1113_W_450_P_371	1011144-09	HD4_HD4T3B3_A1113_W_450_D_370	1011143-09
HD4_HD4T3B3_A1113_W_985_P_365	1011144-08	HD4_HD4T3B3_A1113_W_985_D_364	1011143-08
HD4_HD4T3B6_A1114_W_1380_P_401	1011144-14	HD4_HD4T3B6_A1114_W_1380_D_400	1011143-16
NULL	NULL	HD4_HD4T3B6_A1114_W_1380_D_400	1011143-16R
HD4_HD4T3B6_A1114_W_400_P_410	1011144-15	NULL	NULL
NULL	NULL	HD4_HD4T3B6_A1114_W_1560_D_391	1011143-15
NULL	NULL	HD4_HD4T6B2_A1112_W_1050_D_271	1011143-07
HD4_HD4T6B2_A1112_W_1295_P_268	1011144-05	HD4_HD4T6B2_A1112_W_1295_D_267	1011143-06
HD4_HD4T6B2_A1112_W_1415_P_257	1011144-04	HD4_HD4T6B2_A1112_W_1415_D_256	1011143-05
HD4_HD4T6B2_A1112_W_1530_P_251	1011144-02	HD4_HD4T6B2_A1112_W_1530_D_250	1011143-03
HD4_HD4T6B2_A1112_W_675_P_278	1011144-03	HD4_HD4T6B2_A1112_W_675_D_277	1011143-04
HD4_HD4T7T1X_A1109_W_1100_P_163	1011096-08	HD4_HD4T7T1X_A1109_W_1100_D_162	1011091-10
HD4_HD4T7T1X_A1109_W_1350_P_154	1011096-07	HD4_HD4T7T1X_A1109_W_1350_D_153	1011091-09
HD4_HD4T7T1X_A1109_W_1879_P_148	1011096-06	HD4_HD4T7T1X_A1109_W_1879_D_147	1011091-08
HD4_HD4T7T1X_A1109_W_450_P_175	1011096-10	HD4_HD4T7T1X_A1109_W_450_D_174	1011091-12
HD4_HD4T7T1X_A1109_W_900_P_169	1011096-09	HD4_HD4T7T1X_A1109_W_900_D_168	1011091-11
HD5_HD5001_A1208_W_1056_P_009	1012043-14	HD5_HD5001_A1208_W_1056_D_008	1012040-15

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
HD5_HD5001_A1210_W_1052_P_070	1012057-10	HD5_HD5001_A1210_W_1052_D_069	1012054-10
NULL	NULL	HD5_HD5001_A1210_W_1052_D_069	1012054-10R
HD5_HD5002_A1208_W_1063_P_027	1012043-15	HD5_HD5002_A1208_W_1063_D_026	1012040-16
HD5_HD5002_A1210_W_1062_P_066	1012057-09	HD5_HD5002_A1210_W_1062_D_065	1012054-09
NULL	NULL	HD5_HD5002_A1210_W_1062_D_065	1012054-09R
HD5_HD5003_A1208_W_1400_P_045	1012043-16	HD5_HD5003_A1208_W_1400_D_044	1012040-17
HD5_HD5003_A1211_W_1563_P_074	1012057-11	HD5_HD5003_A1211_W_1563_D_073	1012054-11
NULL	NULL	HD5_HD5003_A1211_W_1563_D_073	1012054-11R
HD5_HD5004_A1214_W_1559_P_078	1012087-07	HD5_HD5004_A1214_W_1559_D_077	1012088-04
HD5_HD5005_A1215_W_1015_P_113	1012087-08	HD5_HD5005_A1215_W_1015_D_112	1012088-09
HD5_HD5005_A1215_W_1310_P_106	1012087-06	HD5_HD5005_A1215_W_1310_D_105	1012088-08
HD5_HD5005_A1215_W_1569_P_099	1012087-05	HD5_HD5005_A1215_W_1569_D_098	1012088-07
HD5_HD5006_A1215_W_1374_P_147	1012087-04	HD5_HD5006_A1215_W_1374_D_146	1012088-06
HD5_HD5006_A1215_W_1555_P_143	1012087-03	HD5_HD5006_A1215_W_1555_D_142	1012088-05
HD5_HD5007_A1215_W_1360_P_182	1012106-17	HD5_HD5007_A1215_W_1360_D_181	1012088-03
HD5_HD5008_A1217_W_945_P_213	1012106-16	HD5_HD5008_A1217_W_945_D_212	1012115-05
JF.2Km.135.wp.20100513.N133	1005049-11	JF.2KM.135FT.WD.20100513.N132	1005014-13
JF.2Km.400.wp.20100513.N153	1005049-10	JF.2KM.400.WD.20100513.N152	1005014-15
JF.2Km.400.WP.Dup.20100513.N161	1005048-02	JF.2KM.400.WD.DUP.20100513.N160	1005014-05

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
JF.2Km.blank.DIWP.20100513.N165	1005048-04	JF.2KM.BLANK.DIWD.20100513.N164	1005014-14
JF.2Km.deep.wp.20100513.N125	1005049-09	JF.2KM.DEEP.WD.20100513.N124	1005014-06
JF.2Km.Leesurf.WP.20100513.N169	1005048-03	JF.2KM.LEESURF.WD.20100513.N168	1005014-12
JF.2Km.MIX30.WP.20100513.N141	1005048-05	JF.2KM.MIX30.WD.20100513.N140	1005014-04
JF.2Km.MIX75.WP.20100513.N137	1005048-06	JF.2KM.MIX75.WD.20100513.N136	1005014-03
JF.2Km.Surf.WP.20100513.N149	1005048-01	JF.2KM.SURF.WD.20100513.N148	1005014-07
JF.4Km.150ft.wp.20100512.N105	1005049-05	JF.4KM.150FT.WD.20100512.N104	1005013-15
JF.4Km.240ft.wp.20100512.N101	1005049-07	JF.4KM.240FT.WD.20100512.N100	1005013-16
JF.4Km.360ft.wp.20100512.N097	1005049-04	JF.4KM.360FT.WD.20100512.N096	1005013-14
JF.4Km.deep.wp.20100512.N089	1005049-08	JF.4KM.DEEP.WD.20100512.N088	1005014-01
JF.4Km.surf.diwp.20100512.N117	1005049-03	JF.4KM.SURF.DIWD.20100512.N116	1005013-13
JF.4Km.surf.wp.20100512.N113	1005049-06	JF.4KM.SURF.WD.20100512.N112	1005014-11
NULL	NULL	JF.8KM.300FUZZ.WD.20100512.N055	1005013-11
NULL	NULL	JF.8KM.BLANK.DIWD,20100512.N075	1005014-02
NULL	NULL	JF.8KM.MID.WD.20100512.N051	1005014-08
JF.8Km.deep.wp.20100512.N048	1005048-15	NULL	NULL
JF.8Km.mix30.wp.20100512.N068	1005049-02	JF.8KM.MIX30.WD.20100512.N067	1005014-10
JF.8Km.mix45.wp.20100512.N064	1005048-17	JF.8KM.MIX45.WD.20100512.N063	1005013-12
JF.8Km.surf.wp.20100512.N072	1005049-01	JF.8KM.SURF.WD.20100512.N071	1005014-09
JF.ref.8Km.mid.wp.20100512.N052	1005048-13	NULL	NULL
NULL	NULL	JF.REF.8KM.DEEP.WD.20100512.N047	1005013-10
JF.ref.blank.diwp.20100511.N040	1005048-12	JF.REF.BLANK.DIWD.20100511.N039	1005013-07

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
JF.ref.deep.wp.20100511.N016	1005048-08	JF.REF.DEEP.WD.20100511.N015	1005013-08
JF.ref.mid.wp.20100511.N024	1005048-09	JF.REF.MID.WD.20100511.N023	1005013-01
JF.ref.mix.wp.20100511.N032	1005048-11	JF.REF.MIX.WD.20100511.N031	1005013-09
JF.ref.surf.diwp.20100510.N010	1005048-07	JF.REF.SURF.DIWD.20100511.N009	1005013-02
JF.ref.surf.wp.20100511.N027	1005048-10	JF.REF.SURF.DIWD.20100511.N009	1005013-02E
JF2.15km.137ft.wp.20100523.N033	1005080-07	JF.REF.SURF.WD.20100510.N028	1005013-03
NULL	NULL	Jf2.15Km.137ft.wd.20100523.N034	1005071-02
JF2.15km.45ft.wp.20100523.N039	1005080-09	Jf2.15Km.45ft.wd.20100523.N040	1005071-04
JF2.15km.475ft.wp.20100523.N030	1005080-06	Jf2.15Km.475ft.wd.20100523.N031	1005071-01
JF2.15km.75ft.wp.20100523.N036	1005080-08	Jf2.15Km.75ft.wd.20100523.N037	1005071-03
JF2.15km.surf.wp.20100523.N042	1005080-10	Jf2.15Km.surf.wd.20100523.N043	1005071-05
JF2.2km.200ft.wp.20100525.N176	1005082-06	Jf2.2Km.200ft.wd.20100525.N177	1005072-11
JF2.2km.418ft.wp.20100525.N174	1005082-07	Jf2.2Km.418ft.wd.20100525.N175	1005072-08
JF2.2km.600ft.wp.20100525.N173	1005082-09	Jf2.2Km.600ft.wd.20100525.N172	1005072-09
JF2.4km.110ft.wp.20100524.N113	1005081-04	Jf2.2Km.v854ft.wd.20100525.N171	1005072-10
NULL	NULL	Jf2.4Km.110ft.wd.20100524.N114	1005072-03
JF2.4km.1188ft.wp.20100524.N116	1005081-05	Jf2.4Km.1188ft.wd.20100524.N117	1005072-04
JF2.4km.2262ft.wp.20100524.N122	1005081-07	Jf2.4Km.2262ft.wd.20100524.N123	1005072-06
NULL	NULL	Jf2.4Km.30ft.wd.20100524.N109	1005072-02
JF2.4km.4570ft.wp.20100524.N119	1005081-06	Jf2.4Km.4570ft.wd.20100524.N120	1005072-05
JF2.4km.blank.di.20100524.N128	1005081-08	Jf2.4Km.blank.wd.20100524.N131	1005072-07
JF2.4km.blank.wp.20100524.N130	1005081-09	NULL	NULL
JF2.4km.surf.wp.20100524.N105	1005081-02	Jf2.4Km.surf.wd.20100524.N106	1005072-01
NULL	NULL	Jf2.70.nmi.surf.wd.20100522.N019	1005070-08
JF2.70nmi.45ft.wp.20100522.N015	1005080-04	NULL	NULL
JF2.70nmi.75ft.wp.20100522.N012	1005080-03	Jf2.70nmi.75ft.wd.20100522.N013	1005070-05
JF2.70nmi.blank.wp.20100522.N004	1005080-01	Jf2.70nmi.blank.wd.20100522.N005	1005070-03

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
JF2.70nmi.deep.wp.20100522.N009	1005080-02	Jf2.70nmi.deep.wd.20100522.N010	1005070-04
JF2.70nmi.surf.wp.20100522.N018	1005080-05	NULL	NULL
JF2.8km.150ft.wp.20100523.N067	1005079-01	Jf2.8Km.150ft.wd.20100523.N068	1005071-08
JF2.8km.30ft.wp.20100523.N075	1005079-03	Jf2.8Km.30ft.wd.20100523.N076	1005072-13
JF2.8km.460ft.wp.20100523.N064	1005080-11	Jf2.8Km.460ft.wd.20100523.N065	1005071-07
NULL	NULL	Jf2.8Km.693ft.wd.20100523.N060	1005071-06
JF2.8km.76ft.wp.20100523.N070	1005079-02	Jf2.8Km.76ft.wd.20100523.N071	1005072-12
JF2.8km.blank.wp.20100523.N085	1005079-05	NULL	NULL
JF2.8km.surf.wp.20100523.N080	1005079-04	Jf2.8Km.surf.wd.20100523.N081	1005071-09
JF2-2.5km-4840ft-wp-20100531-N431	1006031-15	JF2-2.5km-4840ft-wd-20100530-N432	1006022-13
JF2-2km-120ft-wp-20100527-N239	1006029-04	JF2-2km-120ft-wd-20100527-N240	1006018-10
JF2-2km-1989ft-wp-20100530-N396	1006031-09	JF2-2km-1989ft-wd-20100530-N397	1006022-08
JF2-2km-225ft-wp-20100530-N366	1006031-01	JF2-2km-225ft-wd-20100530-N367	1006022-01
JF2-2km-2487ft-wp-20100530-N400	1006031-10	NULL	NULL
JF2-2km-2617ft-wp-20100527-N205	1006029-09	NULL	NULL
NULL	NULL	JF2-2km-3180ft-wd-20100527-N219	1006018-04
JF2-2km-3382ft-wp-20100530-N404	1006031-11	JF2-2km-3382ft-wd-20100530-N405	1006022-09
JF2-2km-3429ft-wp-20100530-N410	1006031-13	JF2-2km-3429ft-wd-20100530-N411	1006022-10
JF2-2km-354ft-wp-20100527-N196	1006029-07	NULL	NULL
JF2-2km-3857ft-wp-20100530-N418	1006031-12	JF2-2km-3857ft-wd-20100530-N417	1006022-11
JF2-2km-3ft-wp-20100527-N234	1006029-03	JF2-2km-3ft-wd-20100527-N235	1006018-09
JF2-2km-3ft-wp-20100530-N387	1006031-07	JF2-2km-3ft-wd-20100530-N388	1006022-05
JF2-2km-4000ft-wp-20100527-N221	1006029-13	JF2-2km-4000ft-wd-20100527-N222	1006018-05

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
JF2-2km-4761ft-wp-20100527-N226	1006029-01	JF2-2km-476ft-wd-20100527-N227	1006018-07
JF2-2km-4958ft-wp-20100530-N384	1006031-06	JF2-2km-4958ft-wd-20100530-N385	1006022-04
JF2-2km-504ft-wp-20100527-N197	1006029-06	JF2-2km-504ft-wd-20100527-N194	1006018-01
JF2-2km-50ft-wp-20100527-N199	1006029-08	JF2-2km-50ft-wd-20100527-N200	1006018-03
JF2-2km-553ft-wp-20100530-N377	1006031-04	JF2-2km-553ft-wd-20100530-N378	1006022-02
JF2-2km-631ft-wp-20100530-N374	1006031-03	JF2-2km-631ft-wd-20100530-N375	1006022-07
JF2-2km-70ft-wp-20100530-N380	1006031-05	JF2-2km-70ft-wd-20100530-N381	1006022-03
JF2-2km-851ft-wp-20100527-N188	1006029-05	JF2-2km-851ft-wd-20100527-N189	1006018-02
JF2-2km-852ft-wp-20100530-N370	1006031-02	NULL	NULL
JF2-2km-996ft-wp-20100530-N393	1006031-08	JF2-2km-996ft-wd-20100530-N394	1006022-06
JF2-2km-blank-wp-20100527-N231	1006029-02	JF2-2km-blank-wd-20100527-N232	1006018-08
JF2-2km-blank-wp-20100530-N422	1006031-14	JF2-2km-blank-wd-20100530-N423	1006022-12
JF2-2km-H2846ft-wp-20100527-N211	1006029-11	JF2-2km-V2846ft-wd-20100527-N121	1006018-06
JF2-2km-V2846ft-wp-20100527-N210	1006029-10	NULL	NULL
JF2-3km-1986ft-wp-20100528-N286	1006030-09	JF2-3KM-1987FT-WD-20100528-N287	1006020-11
JF2-3km-200ft-wp-20100528-N264	1006030-05	JF2-3KM-200FT-WD-20100528-N265	1006020-08
JF2-3km-2977ft-wp-20100528-N297	1006030-11	JF2-3KM-2977FT-WD-20100528-N298	1006020-02
JF2-3km-35ft-wp-20100528-N272	1006030-07	JF2-3KM-35FT-WD-20100528-N273	1006020-09
JF2-3km-3ft-wp-20100528-N261	1006030-04	JF2-3KM-3FT-WD-20100528-N262	1006020-07
JF2-3km-4690ft-wp-20100528-N289	1006030-10	JF2-3KM-4690FT-WD-20100528-N290	1006020-01

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
JF2-3km-481ft-wp-20100528-N258	1006030-03	JF2-3KM-481FT-WD-20100528-N259	1006020-06
JF2-3km-70ft-wp-20100528-N267	1006030-06	NULL	NULL
JF2-3km-996ft-wp-20100528-N281	1006030-08	JF2-3KM-996FT-WD-20100528-N282	1006020-10
JF2-3km-blank-wp-20100528-N302	1006030-12	JF2-3KM-BLANK-WD-20100528-N303	1006020-03
JF2-3km-H851ft-wp-20100528-N250	1006030-01	JF2-3KM-H851FT-WD-20100528-N252	1006020-04
JF2-3km-V851ft-wp-20100528-N251	1006030-02	JF2-3KM-V851FT-WD-20100528-N253	1006020-05
JF2-4km-1400ft-wp-20100529-N357	1006032-05	JF2-4km-1400ft-wd-20100529-N358	1006021-03
JF2-4km-169ft-wp-20100529-N325	1006032-09	JF2-4km-169ft-wd-20100529-N326	1006021-07
JF2-4km-32ft-wp-20100529-N331	1006032-11	JF2-4km-32ft-wd-20100529-N332	1006021-09
JF2-4km-3725ft-wp-20100529-N342	1006032-02	JF2-4km-3725ft-wd-20100529-N343	1006021-10
JF2-4km-3ft-wp-20100529-N336	1006032-01	JF2-4km-3ft-wd-20100529-N337	1006021-02
JF2-4km-4307ft-wp-20100529-N354	1006032-04	NULL	NULL
JF2-4km-5204ft-wp-20100529-N347	1006032-03	JF2-4km-5204ft-wd-20100529-N348	1006021-11
JF2-4km-557ft-wp-20100529-N321	1006032-08	JF2-4km-557ft-wd-20100529-N322	1006021-06
NULL	NULL	JF2-4km-55ft-wd-20100529-N329	1006021-08
JF2-4km-625ft-wp-20100529-N317	1006032-07	JF2-4km-625ft-wd-20100529-N318	1006021-05
JF2-4km-849ft-wp-20100529-N313	1006032-06	JF2-4km-849ft-wd-20100529-N314	1006021-04
JF-2km-hoil-20100513-N176	1007187-02	NULL	NULL
JF3-1km-wp-20100614-100ft-N127	1006125-19	Jf3-1km-wd-20100614-100ft-N128	1006124-11
JF3-1km-wp-20100614-2899ft-N119	1006125-18	Jf3-1km-wd-20100614-2899ft-N120	1006124-10
JF3-1km-wp-20100614-3813ft-N116	1006125-17	Jf3-1km-wd-20100614-3813ft-N117	1006124-09

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
JF3-1km-wp-20100614-4187ft-N109	1006125-16	Jf3-1km-wd-20100614-4187ft-N110	1006124-08
JF3-1km-wp-20100614-suf-N134	1006125-20	Jf3-1km-wd-20100614-surf-N135	1006124-12
Jf3-2.5km-wp-20100617-4711ft-N181	1006177-07	JF3-2.5km-wd-20100617-4711ft-N182	1006179-02
Jf3-2.5km-wp-20100617-4726ft-N174	1006177-06	JF3-2.5km-wd-20100617-4726ft-N175	1006179-01
JF3-2km-wp-20100613-1250ft-N064	1006126-04	Jf3-2km-wd-20100613-1250ft-N065	1006123-07
JF3-2km-wp-20100613-225ft-N070	1006125-11	Jf3-2km-wd-20100613-225ft-N071	1006123-08
JF3-2km-wp-20100613-3412ft-N045	1006125-08	Jf3-2km-wd-20100613-3412ft-N046	1006123-04
JF3-2km-wp-20100613-35ft-N082	1006125-13	Jf3-2km-wd-20100613-35ft-N083	1006123-10
JF3-2km-wp-20100613-3ft-N088	1006125-14	Jf3-2km-wd-20100613-3ft-N089	1006123-11
JF3-2km-wp-20100613-4381ft-N051	1006125-09	Jf3-2km-wd-20100613-4381ft-N052	1006123-05
JF3-2km-wp-20100613-4899ft-N058	1006125-10	Jf3-2km-wd-20100613-4899ft-N059	1006123-06
JF3-2km-wp-20100613-80ft-N076	1006125-12	Jf3-2km-wd-20100613-80ft-N077	1006123-09
JF3-2km-wp-20100613-blank-N094	1006125-15	Jf3-2km-wd-20100613-blank-N095	1006124-07
Jf3-2km-wp-20100616-252ft-N163	1006177-02	JF3-2km-wd-20100616-252ft-N164	1006178-02
Jf3-2km-wp-20100616-3175ft-N165	1006177-03	JF3-2km-wd-20100616-3175ft-N166	1006178-03
Jf3-2km-wp-20100616-3472ft-N167	1006177-05	JF3-2km-wd-20100616-3472ft-N168	1006178-04
Jf3-2km-wp-20100616-blank-N145	1006177-01	JF3-2km-wd-20100616-blank-N146	1006178-01
Jf3-2km-wp-20100616-blank-N169	1006177-04	JF3-2km-wd-20100616-blank-N170	1006178-05
Jf3-2km-wp-20100618-687ft-N192	1006177-08	JF3-2km-wd-20100618-687ft-N193	1006180-01
Jf3-2km-wp-20100618-751ft-N199	1006177-09	JF3-2km-wd-20100618-751ft-N200	1006180-04
Jf3-2km-wp-20100618-800ft-N206	1006177-10	JF3-2km-wd-20100618-800ft-N207	1006180-02
Jf3-2km-wp-20100618-blank-N213	1006177-11	JF3-2km-wd-20100618-blank-N214	1006180-03
Jf3-2km-wp-20100619-1100ft-N230	1006176-03	JF3-2km-wd-20100619-1100ft-N231	1006181-03
Jf3-2km-wp-20100619-3620ft-N223	1006176-02	JF3-2km-wd-20100619-3620ft-N224	1006181-02

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
Jf3-2km-wp-20100619-4779ft-N216	1006176-01	JF3-2km-wd-20100619-4779ft-N217	1006181-01
Jf3-2nmi-wp-20100620-2866ft-N306	1006177-15	JF3-2nmi-wd-20100620-2866ft-N307	1006182-10
Jf3-2nmi-wp-20100620-3394ft-N299	1006177-14	JF3-2nmi-wd-20100620-3394ft-N300	1006182-09
Jf3-2nmi-wp-20100620-4622ft-N288	1006177-12	JF3-2nmi-wd-20100620-4622ft-N289	1006182-07
Jf3-2nmi-wp-20100620-4622ft-N295	1006177-13	JF3-2nmi-wd-20100620-4622ft-N296	1006182-08
Jf3-2nmi-wp-20100620-blank-N310	1006177-16	JF3-2nmi-wd-20100620-blank-N311	1006182-11
Jf3-3nmi-wp-20100620-1123ft-N282	1006176-11	JF3-3nmi-wd-20100620-1123ft-N283	1006182-06
Jf3-3nmi-wp-20100620-3624ft-N268	1006176-09	JF3-3nmi-wd-20100620-3624ft-N269	1006182-01
Jf3-3nmi-wp-20100620-4546ft-N261	1006176-08	JF3-3nmi-wd-20100620-4546ft-N276	1006182-05
Jf3-3nmi-wp-20100620-4546ft-N275	1006176-10	NULL	NULL
Jf3-3nmi-wp-20100620-blank-N251	1006176-07	JF3-3nmi-wd-20100620-blank-N252	1006182-02
Jf3-5nmi-wp-20100619-3594ft-N244	1006176-05	JF3-5nmi-wd-20100619-3594ft-N245	1006181-05
Jf3-5nmi-wp-20100619-3625ft-N237	1006176-04	JF3-5nmi-wd-20100619-3625ft-N238	1006181-04
Jf3-5nmi-wp-20100619-blank-N248	1006176-06	JF3-5nmi-wd-20100619-blank-N249	1006181-06
JF3-ref-wp-20100612-125ft-N012	1006125-03	Jf3-ref-wd-20100612-125ft-N013	1006124-05
JF3-ref-wp-20100612-20ft-N018	1006125-04	Jf3-ref-wd-20100612-20ft-N019	1006124-06
JF3-ref-wp-20100612-3500ft-N038	1006125-07	Jf3-ref-wd-20100612-3500ft-N039	1006123-03
JF3-ref-wp-20100612-4300ft-N032	1006125-06	Jf3-ref-wd-20100612-4300ft-N033	1006123-02
JF3-ref-wp-20100612-595ft-N006	1006125-02	Jf3-ref-wd-20100612-595ft-N007	1006124-04
JF3-ref-wp-20100612-9ft-N024	1006125-05	Jf3-ref-wd-20100612-9ft-N025	1006123-01
JF3-ref-wp-20100612-blank-N003	1006125-01	Jf3-ref-wd-20100612-blank-N004	1006124-03
SW-20100802-AD1B03-WP01	1008048-04	NULL	NULL
SW-20100802-AD1B03-WP02	1008048-05	NULL	NULL

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
SW-20100802-AD1B03-WP03	1008048-01	NULL	NULL
SW-20100802-AD1B03-WP04	1008048-02	NULL	NULL
SW-20100802-AD1B03-WP05	1008048-03	NULL	NULL
SW-20100802-AD1B03-WP06	1008048-06	NULL	NULL
SW-20100802-AD1B05-WP07	1008064-05	NULL	NULL
SW-20100803-AD1B04-WP01	1008056-01	NULL	NULL
SW-20100803-AD1B04-WP02	1008056-02	NULL	NULL
SW-20100803-AD1B04-WP03	1008056-03	NULL	NULL
SW-20100803-AD1B04-WP04	1008056-04	NULL	NULL
SW-20100803-AD1B04-WP05	1008056-05	NULL	NULL
SW-20100803-AD1B04-WP06	1008056-06	NULL	NULL
SW-20100804-AD1B05-WP01	1008064-06	NULL	NULL
SW-20100804-AD1B05-WP02	1008064-07	NULL	NULL
SW-20100804-AD1B05-WP03	1008064-01	NULL	NULL
SW-20100804-AD1B05-WP04	1008064-02	NULL	NULL
SW-20100804-AD1B05-WP05	1008064-03	NULL	NULL
SW-20100804-AD1B05-WP06	1008064-04	NULL	NULL
HSW4_CR1B164_B0804_W_662_W5_P_0783	1108114-02	HSW4_CR1B164_B0804_W_662_W5_D_0782	1108059-17
HSW4_CR1D149_B0801_W_1139_W5_P_0524	1108073-19	HSW4_CR1D149_B0801_W_1139_W5_D_0523	1108058-01
HSW4_CR1D150_B0801_W_1138_W5_P_0551	1108073-09	HSW4_CR1D150_B0801_W_1138_W5_D_0550	1108058-02
HSW4_CR1D151_B0801_W_1130_W5_P_0561	1108073-10	HSW4_CR1D151_B0801_W_1130_W5_D_0560	1108058-03
HSW4_CR1D152_B0802_W_1102_W5_P_0588	1108073-11	HSW4_CR1D152_B0802_W_1102_W5_D_0587	1108058-04
HSW4_CR1D153_B0802_W_1039_W5_P_0632	1108073-12	HSW4_CR1D153_B0802_W_1039_W5_D_0631	1108058-05
HSW4_CR1E165_B0804_W_1812_W5_P_0793	1108072-08	HSW4_CR1E165_B0804_W_1812_W5_D_0792	1108059-10
HSW4_CR2148_B0729_W_1039_W5_P_0513	1108073-08	HSW4_CR2148_B0729_W_1039_W5_D_0512	1108048-03
HSW4_CR2A_B0729_W_800_W5_P_0499	1108073-06	HSW4_CR2A_B0729_W_800_W5_D_0498	1108048-01
HSW4_CR2B_B0729_W_1019_W5_P_0506	1108073-07	HSW4_CR2B_B0729_W_1019_W5_D_0505	1108048-02

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
HSW4_CR6144_B0727_W_1013_W5_P_0451	1108046-05	HSW4_CR6144_B0727_W_1013_W5_D_0450	1108001-05
HSW4_CR6145_B0727_W_972_W5_P_0461	1108046-06	HSW4_CR6145_B0727_W_972_W5_D_0460	1108001-06
HSW4_CR6146_B0727_W_836_W5_P_0475	1108046-07	HSW4_CR6146_B0727_W_836_W5_D_0474	1108001-07
HSW4_CR6147_B0727_W_858_W5_P_0485	1108046-08	HSW4_CR6147_B0727_W_858_W5_D_0484	1108001-08
HSW4_CRA1159_B0803_W_1125_W5_P_0713	1108114-03	HSW4_CRA1159_B0803_W_1125_W5_D_0712	1108059-01
HSW4_CRA1160_B0803_W_1085_W5_P_0740	1108114-01	HSW4_CRA1160_B0803_W_1085_W5_D_0739	1108059-02
HSW4_CRA1161_B0803_W_1001_W5_P_0751	1108114-04	HSW4_CRA1161_B0803_W_1001_W5_D_0750	1108059-03
HSW4_CRA1162_B0803_W_933_W5_P_0761	1108114-05	HSW4_CRA1162_B0803_W_933_W5_D_0760	1108059-04
HSW4_CRA1163_B0803_W_875_W5_P_0772	1108114-06	HSW4_CRA1163_B0803_W_875_W5_D_0771	1108059-05
HSW4_GU2888_B0720_W_1047_W5_P_0218	1108045-01	HSW4_GU2888_B0720_W_1047_W5_D_0217	1107093-02
HSW4_SEP2128_B0722_W_1215_W5_P_0308	1108045-10	HSW4_SEP2128_B0722_W_1215_W5_D_0307	1107115-02
HSW4_SEP2129_B0722_W_1224_W5_P_0315	1108045-11	HSW4_SEP2129_B0722_W_1224_W5_D_0314	1107115-03
HSW4_SEP2133A_B0723_W_1148_W5_P_0334	1108045-12	HSW4_SEP2133A_B0723_W_1148_W5_D_0333	1107115-04
HSW4_SEP2133B_B0723_W_1050_W5_P_0341	1108045-13	HSW4_SEP2133B_B0723_W_1050_W5_D_0340	1107115-01
HSW4_SEP2133C_B0723_W_800_W5_P_0348	1108045-14	HSW4_SEP2133C_B0723_W_800_W5_D_0347	1107115-05
HSW4_SEP4128_B0724_W_1209_W5_P_0355	1108045-15	HSW4_SEP4128_B0724_W_1209_W5_D_0354	1107115-06
HSW4_SEP4134_B0724_W_1214_W5_P_0370	1108045-17	HSW4_SEP4134_B0724_W_1214_W5_D_0369	1107115-08
HSW4_SEP4138_B0724_W_1204_W5_P_0364	1108045-16	HSW4_SEP4138_B0724_W_1204_W5_D_0363	1107115-07
HSW4_SEP6139_B0726_W_1910_W5_P_0419	1108046-09	HSW4_SEP6139_B0726_W_1910_W5_D_0418	1108001-03

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
HSW4_SEP6140_B0726_W_1902_W5_P_0429	1108046-10	HSW4_SEP6140_B0726_W_1902_W5_D_0428	1108001-04
HSW4_SEP6B_B0726_W_1150_W5_P_0405	1108046-11	HSW4_SEP6B_B0726_W_1150_W5_D_0404	1108001-01
HSW4_SEP6C_B0726_W_1500_W5_P_0412	1108046-12	HSW4_SEP6C_B0726_W_1500_W5_D_0411	1108001-02
HSW4_SEP7170_B0805_W_1088_W5_P_0885	1108114-10	HSW4_SEP7170_B0805_W_1088_W5_D_0884	1108059-11
HSW4_SEP7171_B0805_W_1083_W5_P_0897	1108114-11	HSW4_SEP7171_B0805_W_1083_W5_D_0896	1108059-12
HSW4_SLP10175_B0805_W_1362_W5_P_0920	1108114-12	HSW4_SLP10175_B0805_W_1362_W5_D_0919	1108059-13
HSW4_SLP10176_B0805_W_1373_W5_P_0930	1108114-13	HSW4_SLP10176_B0805_W_1373_W5_D_0929	1108059-14
HSW4_SLP10177_B0806_W_1342_W5_P_0940	1108114-14	HSW4_SLP10177_B0806_W_1342_W5_D_0939	1108059-15
HSW4_SLP10178_B0806_W_1309_W5_P_1018	1108114-15	HSW4_SLP10178_B0806_W_1309_W5_D_1017	1108059-16
HSW4_SLP1179_B0806_W_1553_W5_P_1047	1108114-16	HSW4_SLP1179_B0806_W_1553_W5_D_1046	1108060-04
HSW4_SLP1180_B0806_W_1523_W5_P_1057	1108114-17	HSW4_SLP1180_B0806_W_1523_W5_D_1056	1108060-05
HSW4_SLP1181_B0806_W_1468_W5_P_1067	1108114-18	HSW4_SLP1181_B0806_W_1468_W5_D_1066	1108060-06
HSW4_SLP1182_B0806_W_1418_W5_P_1077	1108114-19	HSW4_SLP1182_B0806_W_1418_W5_D_1076	1108060-07
HSW4_SLP17154_B0802_W_1087_W5_P_0658	1108073-13	HSW4_SLP17154_B0802_W_1087_W5_D_0657	1108058-06
HSW4_SLP17155_B0802_W_1120_W5_P_0669	1108073-14	HSW4_SLP17155_B0802_W_1120_W5_D_0668	1108058-07
HSW4_SLP17156_B0802_W_1114_W5_P_0679	1108073-15	HSW4_SLP17156_B0802_W_1114_W5_D_0678	1108058-08
HSW4_SLP17157_B0802_W_1103_W5_P_0692	1108073-16	HSW4_SLP17157_B0802_W_1103_W5_D_0691	1108058-09
HSW4_SLP17158_B0803_W_1088_W5_P_0702	1108073-17	HSW4_SLP17158_B0803_W_1088_W5_D_0701	1108058-10
HSW4_SLP20115_B0719_W_2073_W5_P_0166	1108045-18	HSW4_SLP20115_B0719_W_2073_W5_D_0165	1107093-08

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
HSW4_SLP20117_B0719_W_1904_W5_P_0186	1108045-02	HSW4_SLP20117_B0719_W_1904_W5_D_0185	1107093-09
HSW4_SLP20118_B0720_W_1895_W5_P_0196	1108045-03	HSW4_SLP20118_B0720_W_1895_W5_D_0195	1107093-10
HSW4_SLP20119_B0720_W_1944_W5_P_0206	1108045-04	HSW4_SLP20119_B0720_W_1944_W5_D_0205	1107093-11
HSW4_SLP2100_B0715_W_1465_W5_P_0014	1108045-20	HSW4_SLP2100_B0715_W_1465_W5_D_0013	1107061-06
HSW4_SLP2102_B0716_W_1317_W5_P_0034	1108046-01	HSW4_SLP2102_B0716_W_1317_W5_D_0033	1107061-07
HSW4_SLP21107_B0717_W_1760_W5_P_0085	1108046-13	HSW4_SLP21107_B0717_W_1760_W5_D_0084	1107065-01
HSW4_SLP21108_B0717_W_1718_W5_P_0095	1108046-14	HSW4_SLP21108_B0717_W_1718_W5_D_0094	1107065-02
HSW4_SLP21109_B0717_W_1501_W5_P_0105	1108046-15	HSW4_SLP21109_B0717_W_1501_W5_D_0104	1107065-03
HSW4_SLP21110_B0717_W_1475_W5_P_0115	1108046-16	HSW4_SLP21110_B0717_W_1475_W5_D_0114	1107065-04
HSW4_SLP23103_B0716_W_1358_W5_P_0045	1108046-18	HSW4_SLP23103_B0716_W_1358_W5_D_0044	1107061-01
HSW4_SLP23104_B0716_W_1369_W5_P_0055	1108046-19	HSW4_SLP23104_B0716_W_1369_W5_D_0054	1107061-02
HSW4_SLP23105_B0716_W_1348_W5_P_0065	1108046-20	HSW4_SLP23105_B0716_W_1348_W5_D_0064	1107061-03
HSW4_SLP23106_B0716_W_1356_W5_P_0075	1108047-01	HSW4_SLP23106_B0716_W_1356_W5_D_0074	1107061-04
HSW4_SLP299_B0715_W_1519_W5_P_0004	1108047-02	HSW4_SLP299_B0715_W_1519_W5_D_0003	1107061-05
HSW4_SLP5111_B0718_W_2007_W5_P_0126	1108046-17	HSW4_SLP5111_B0718_W_2007_W5_D_0125	1107065-05
HSW4_SLP5112_B0718_W_2024_W5_P_0136	1108046-02	HSW4_SLP5112_B0718_W_2024_W5_D_0135	1107065-06
HSW4_SLP5113_B0718_W_1997_W5_P_0146	1108046-03	HSW4_SLP5113_B0718_W_1997_W5_D_0145	1107065-07
HSW4_SLP5114_B0719_W_1899_W5_P_0156	1108046-04	HSW4_SLP5114_B0719_W_1899_W5_D_0155	1107065-08
HSW4_SLP7120_B0720_W_1263_W5_P_0224	1108045-05	HSW4_SLP7120_B0720_W_1263_W5_D_0223	1107093-03

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
HSW4_SLP7121_B0720_W_1247_W5_P_0234	1108045-07	HSW4_SLP7121_B0720_W_1247_W5_D_0233	1107093-04
HSW4_SLP7122_B0720_W_1238_W5_P_0244	1108045-08	HSW4_SLP7122_B0720_W_1238_W5_D_0243	1107093-05
HSW4_SLP7123_B0721_W_1233_W5_P_0254	1108045-09	HSW4_SLP7123_B0721_W_1233_W5_D_0253	1107093-06
HSW4_SLP8166_B0804_W_1136_W5_P_0808	1108073-18	HSW4_SLP8166_B0804_W_1136_W5_D_0807	1108059-06
HSW4_SLP8167_B0804_W_1194_W5_P_0852	1108114-07	HSW4_SLP8167_B0804_W_1194_W5_D_0851	1108059-07
HSW4_SLP8168_B0804_W_1131_W5_P_0862	1108114-08	HSW4_SLP8168_B0804_W_1131_W5_D_0861	1108059-08
HSW4_SLP8169_B0804_W_1063_W5_P_0872	1108114-09	HSW4_SLP8169_B0804_W_1063_W5_D_0871	1108059-09
HSW6_FP10187_B0827_W_1431_50_P_0056	1108047-08	HSW6_FP10187_B0827_W_1431_50_D_0055	1108157-08
HSW6_FP10188_B0827_W_1486_50_P_0066	1108047-09	HSW6_FP10188_B0827_W_1486_50_D_0065	1108157-09
HSW6_FP10189_B0828_W_1469_50_P_0087	1108047-10	HSW6_FP10189_B0828_W_1469_50_D_0086	1108157-10
HSW6_FP10190_B0828_W_1345_50_P_0097	1108047-11	HSW6_FP10190_B0828_W_1345_50_D_0096	1108157-11
HSW6_FP10191_B0828_W_1269_50_P_0107	1108047-12	HSW6_FP10191_B0828_W_1269_50_D_0106	1108157-12
HSW6_FP11192_B0828_W_1540_50_P_0121	1109024-16	HSW6_FP11192_B0828_W_1540_50_D_0120	1109006-01
HSW6_FP11193_B0828_W_1528_50_P_0131	1109024-17	HSW6_FP11193_B0828_W_1528_50_D_0130	1109006-02
HSW6_FP11194_B0828_W_1409_50_P_0141	1109024-18	HSW6_FP11194_B0828_W_1409_50_D_0140	1109006-03
HSW6_FP11195_B0829_W_1341_50_P_0151	1109024-19	HSW6_FP11195_B0829_W_1341_50_D_0150	1109006-04
HSW6_FP11196_B0829_W_1308_50_P_0161	1109024-20	HSW6_FP11196_	NULL
HSW6_FP7207_	NULL	HSW6_FP7207_B0831_W_1433_50_D_0318	1109009-06
HSW6_FP7208_	NULL	HSW6_FP7208_B0831_W_1428_50_D_0328	1109009-07

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
HSW6_FP7209_	NULL	HSW6_FP7209_B0831_W_1403_50_D_0338	1109009-08
HSW6_FP7210_	NULL	HSW6_FP7210_B0831_W_1392_50_D_0348	1109009-09
HSW6_FP8202_B0830_W_1415_50_P_0263	1109024-11	HSW6_FP8202_	NULL
HSW6_FP8203_B0830_W_1404_50_P_0273	1109024-12	HSW6_FP8203_B0830_W_1404_50_D_0272	1109006-07
HSW6_FP8204_B0830_W_1360_50_P_0283	1109024-13	HSW6_FP8204_B0830_W_1360_50_D_0282	1109006-08
HSW6_FP8205_B0830_W_1326_50_P_0293	1109024-14	HSW6_FP8205_B0830_W_1326_50_D_0292	1109006-09
HSW6_FP8206_B0831_W_1282_50_P_0303	1109024-15	HSW6_FP8206_B0831_W_1282_50_D_0302	1109006-10
HSW6_FP9197_B0829_W_1440_50_P_0209	1109024-06	HSW6_FP9197_B0829_W_1440_50_D_0208	1109009-11
HSW6_FP9198_B0829_W_1410_50_P_0219	1109024-07	HSW6_FP9198_B0829_W_1410_50_D_0218	1109009-12
HSW6_FP9199_B0830_W_1390_50_P_0229	1109024-08	HSW6_FP9199_B0830_W_1390_50_D_0228	1109009-13
HSW6_FP9200_B0830_W_1386_50_P_0239	1109024-09	HSW6_FP9200_B0830_W_1386_50_D_0238	1109009-14
HSW6_FP9201_B0830_W_1392_50_P_0249	1109024-10	HSW6_FP9201_B0830_W_1392_50_D_0248	1109009-15
HSW6_FP9SOOA_B0829_W_1350_50_P_0202	1109024-05	HSW6_FP9SOOA_B0829_W_1350_50_D_0201	1109009-05
HSW6_FP9SOOC_B0829_W_1220_50_P_0195	1109024-04	HSW6_FP9SOOC_B0829_W_1220_50_D_0194	1109009-04
HSW6_FP9SOOD_B0829_W_1075_50_P_0188	1109024-03	HSW6_FP9SOOD_B0829_W_1075_50_D_0187	1109009-03
HSW6_FP9SOOE_B0829_W_975_50_P_0181	1109024-02	HSW6_FP9SOOE_B0829_W_975_50_D_0180	1109009-02
HSW6_FP9SOOF_B0829_W_900_50_P_0174	1109024-01	HSW6_FP9SOOF_B0829_W_900_50_D_0173	1109009-01
HSW6_SLP13183_B0826_W_1331_50_P_0008	1108047-04	HSW6_SLP13183_B0826_W_1331_50_D_0007	1108157-04
HSW6_SLP13184_B0826_W_1284_50_P_0018	1108047-05	HSW6_SLP13184_B0826_W_1284_50_D_0017	1108157-05

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
HSW6_SLP13185_B0826_W_1177_50_P_0028	1108047-06	HSW6_SLP13185_B0826_W_1177_50_D_0027	1108157-06
HSW6_SLP13186_B0827_W_1107_50_P_0038	1108047-07	HSW6_SLP13186_B0827_W_1107_50_D_0037	1108157-07
HSW2_HSW2001_B0326_W_1024_W5_P_004	1108072-01	HSW2_HSW2001_B0326_W_1024_W5_D_003	1103152-01
HSW2_HSW2002_B0327_W_1083_W5_P_011	1104017-01	HSW2_HSW2002_B0327_W_1083_W5_D_010	1104007-01
HSW2_HSW2003_B0328_W_1121_W5_P_018	1104017-02	HSW2_HSW2003_B0328_W_1121_W5_D_017	1104007-02
HSW2_HSW2004_B0328_W_1048_W5_P_025	1104017-03	HSW2_HSW2004_B0328_W_1048_W5_D_024	1104007-03
HSW2_HSW2005_B0328_W_1252_W5_P_032	1104017-05	HSW2_HSW2005_B0328_W_1252_W5_D_031	1104001-01
HSW2_HSW2006_B0328_W_1155_W5_P_039	1104017-06	HSW2_HSW2006_B0328_W_1155_W5_D_038	1104001-02
HSW2_HSW2007_B0329_W_1043_W5_P_047	1104017-08	HSW2_HSW2007_B0329_W_1043_W5_D_046	1104001-04
HSW2_HSW2008_B0329_W_938_W5_P_054	1104032-05	HSW2_HSW2008_B0329_W_938_W5_D_053	1104001-05
HSW2_HSW2009_B0329_W_1410_W5_P_064	1104017-04	HSW2_HSW2009_B0329_W_1410_W5_D_063	1104001-03
HSW2_HSW2010_B0329_W_1357_W5_P_071	1104032-06	HSW2_HSW2010_B0329_W_1357_W5_D_070	1104001-06
HSW2_HSW2011_B0329_W_1196_W5_P_078	1104017-07	HSW2_HSW2011_B0329_W_1196_W5_D_077	1104001-07
HSW2_HSW2013_B0330_W_1430_W5_P_094	1104032-02	HSW2_HSW2013_B0330_W_1430_W5_D_093	1104007-04
HSW2_HSW2014_B0330_W_1190_W5_P_101	1104032-01	HSW2_HSW2014_B0330_W_1190_W5_D_100	1104007-05
HSW2_HSW2015_B0330_W_1052_W5_P_108	1104032-03	HSW2_HSW2015_B0330_W_1052_W5_D_107	1104007-06
HSW2_HSW2015_B0330_W_1052_W5_P_112	1104032-04	HSW2_HSW2015_B0330_W_1052_W5_D_111	1104007-07
HSW2_HSW2016_B0331_W_1018_W5_P_122	1104072-02	HSW2_HSW2016_B0331_W_1018_W5_D_121	1104039-01
HSW2_HSW2017_B0331_W_961_W5_P_130	1104072-01	HSW2_HSW2017_B0331_W_961_W5_D_129	1104039-04

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
HSW2_HSW2018_B0401_W_1241_W5_P_139	1104072-06	HSW2_HSW2018_B0401_W_1241_W5_D_138	1104039-06
HSW2_HSW2019_B0401_W_1167_W5_P_147	1104072-08	HSW2_HSW2019_B0401_W_1167_W5_D_146	1104039-02
HSW2_HSW2020_B0401_W_1067_W5_P_155	1104072-07	HSW2_HSW2020_B0401_W_1067_W5_D_154	1104039-08
HSW2_HSW2021_B0401_W_940_W5_P_163	1104072-05	HSW2_HSW2021_B0401_W_940_W5_D_162	1104039-03
HSW2_HSW2022_B0401_W_1331_W5_P_172	1104072-03	HSW2_HSW2022_B0401_W_1331_W5_D_171	1104039-09
HSW2_HSW2023_B0402_W_1152_W5_P_180	1104072-12	HSW2_HSW2023_B0402_W_1152_W5_D_179	1104039-05
HSW2_HSW2024_B0402_W_1110_W5_P_188	1104072-10	HSW2_HSW2024_B0402_W_1110_W5_D_187	1104039-10
HSW2_HSW2025_B0402_W_933_W5_P_196	1104072-09	HSW2_HSW2025_B0402_W_933_W5_D_195	1104039-11
HSW2_HSW2026_B0402_W_1345_W5_P_206	1104072-11	HSW2_HSW2026_B0402_W_1345_W5_D_205	1104039-12
HSW2_HSW2027_B0402_W_1221_W5_P_214	1104072-13	HSW2_HSW2027_B0402_W_1221_W5_D_213	1104039-13
HSW2_HSW2028_B0402_W_1111_W5_P_223	1104072-14	HSW2_HSW2028_B0402_W_1111_W5_D_222	1104039-14
HSW2_HSW2029_B0403_W_1008_W5_P_231	1104073-02	HSW2_HSW2029_B0403_W_1008_W5_D_230	1104039-15
HSW2_HSW2030_B0403_W_1285_W5_P_242	1104073-04	HSW2_HSW2030_B0403_W_1285_W5_D_241	1104039-16
HSW2_HSW2031_B0403_W_1209_W5_P_250	1104072-16	HSW2_HSW2031_B0403_W_1209_W5_D_249	1104039-17
HSW2_HSW2032_B0403_W_1144_W5_P_258	1104072-15	HSW2_HSW2032_B0403_W_1144_W5_D_257	1104039-18
HSW2_HSW2033_B0403_W_1100_W5_P_266	1104073-01	HSW2_HSW2033_B0403_W_1100_W5_D_265	1104046-01
HSW2_HSW2034_B0403_W_1222_W5_P_278	1104073-03	HSW2_HSW2034_B0403_W_1222_W5_D_277	1104046-02
HSW2_HSW2035_B0404_W_1163_W5_P_286	1104073-07	HSW2_HSW2035_B0404_W_1163_W5_D_285	1104046-03
HSW2_HSW2036_B0404_W_1136_W5_P_296	1104073-06	HSW2_HSW2036_B0404_W_1136_W5_D_295	1104046-04

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
HSW2_HSW2037_B0404_W_1136_W5_P_304	1104073-05	HSW2_HSW2037_B0404_W_1136_W5_D_303	1104046-05
HSW2_HSW2038_B0406_W_1196_W5_P_312	1108072-04	HSW2_HSW2038_B0406_W_1196_W5_D_311	1104079-01
HSW2_HSW2039_B0406_W_1120_W5_P_320	1108072-05	HSW2_HSW2039_B0406_W_1120_W5_D_319	1104079-02
HSW2_HSW2040_B0406_W_979_W5_P_328	1108072-06	HSW2_HSW2040_B0406_W_979_W5_D_327	1104079-03
HSW2_HSW2041_B0406_W_1022_W5_P_336	1108072-02	HSW2_HSW2041_B0406_W_1022_W5_D_335	1104079-04
HSW2_HSW2042_B0406_W_943_W5_P_344	1108072-03	HSW2_HSW2042_B0406_W_943_W5_D_343	1104079-05
HSW2L2_BRA047_B0411_W_1006_50_P_392	1104153-07	HSW2L2_BRA047_B0411_W_1006_50_D_391	1104127-05
HSW2L2_BRA048_B0411_W_922_50_P_400	1104153-06	HSW2L2_BRA048_B0411_W_922_50_D_399	1104127-06
HSW2L2_BRA049_B0411_W_835_50_P_408	1104167-01	HSW2L2_BRA049_B0411_W_835_50_D_407	1104127-11
HSW2L2_BRD051_B0412_W_1410_50_P_424	1104185-01	HSW2L2_BRD051_B0412_W_1410_50_D_423	1104127-12
HSW2L2_BRD052_B0412_W_1239_50_P_434	1104153-08	HSW2L2_BRD052_B0412_W_1239_50_D_433	1104127-10
HSW2L2_BRD053_B0412_W_1143_50_P_442	1104153-09	HSW2L2_BRD053_B0412_W_1143_50_D_441	1104127-13
HSW2L2_BRD054_B0412_W_1022_50_P_450	1104167-02	HSW2L2_BRD054_B0412_W_1022_50_D_449	1104127-03
HSW2L2_BRE055_B0413_W_1336_50_P_458	1104226-01	HSW2L2_BRE055_B0413_W_1336_50_D_457	1104145-03
HSW2L2_BRE056_B0413_W_1278_50_P_468	1105005-02	HSW2L2_BRE056_B0413_W_1278_50_D_467	1104145-04
HSW2L2_BRE057_B0414_W_1115_50_P_491	1104204-03	HSW2L2_BRE057_B0414_W_1115_50_D_490	1104145-05
HSW2L2_BRE058_B0414_W_1051_50_P_503	1104185-03	HSW2L2_BRE058_B0414_W_1051_50_D_502	1104145-08
HSW2L2_BREHiAmp_B0413_W_1154_50_P_477	1104204-01	HSW2L2_BREHiAmp_B0413_W_1154_50_D_476	1104145-01
HSW2L2_BRM043_B0410_W_1160_50_P_360	1104153-02	HSW2L2_BRM043_B0410_W_1160_50_D_359	1104127-09

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
HSW2L2_BRM044_B0410_W_1128_50_P_368	1104153-03	HSW2L2_BRM044_B0410_W_1128_50_D_367	1104127-01
HSW2L2_BRM045_B0410_W_1028_50_P_376	1104153-04	HSW2L2_BRM045_B0410_W_1028_50_D_375	1104127-02
HSW2L2_BRM046_B0410_W_975_50_P_384	1104153-05	HSW2L2_BRM046_B0410_W_975_50_D_383	1104127-04
HSW2L2_BRO059_B0414_W_1643_50_P_511	1104185-04	HSW2L2_BRO059_B0414_W_1643_50_D_510	1104145-07
HSW2L2_BRO060_B0414_W_1517_50_P_520	1104204-04	HSW2L2_BRO060_B0414_W_1517_50_D_519	1104145-06
HSW2L2_BRO061_B0414_W_1383_50_P_528	1104167-04	HSW2L2_BRO061_B0414_W_1383_50_D_527	1104145-09
HSW2L2_BRO062_B0415_W_1692_50_P_536	1104204-05	HSW2L2_BRO062_B0415_W_1692_50_D_535	1104145-11
HSW2L2_BRO063_B0415_W_1582_50_P_545	1104204-06	HSW2L2_BRO063_B0415_W_1582_50_D_544	1104145-10
HSW2L2_BRO064_B0415_W_1498_50_P_553	1104204-07	HSW2L2_BRO064_B0415_W_1498_50_D_552	1104145-12
HSW2L2_BRP065_B0416_W_1544_50_P_561	1104185-02	HSW2L2_BRP065_B0416_W_1544_50_D_560	1104145-14
HSW2L2_BRP066_B0416_W_1507_50_P_573	1104204-08	HSW2L2_BRP066_B0416_W_1507_50_D_572	1104145-13
HSW2L2_BRP067_B0416_W_1486_50_P_582	1105005-01	HSW2L2_BRP067_B0416_W_1486_50_D_581	1104145-16
HSW2L2_BRP069_B0416_W_1360_50_P_596	1104204-09	HSW2L2_BRP069_B0416_W_1360_50_D_595	1104145-15
HSW2L2_FP0092_B0423_W_1581_50_P_849	1104241-01	HSW2L2_FP0092_B0423_W_1581_50_D_848	1104223-17
HSW2L2_FP0093_B0423_W_1571_50_P_857	1104241-02	HSW2L2_FP0093_B0423_W_1571_50_D_856	1104229-01
HSW2L2_FP0094_B0423_W_1540_50_P_867	1104241-03	HSW2L2_FP0094_B0423_W_1540_50_D_866	1104229-04
HSW2L2_FP0095_B0424_W_1510_50_P_874	1104241-04	HSW2L2_FP0095_B0424_W_1510_50_D_873	1104229-05
HSW2L2_FP0096_B0424_W_1493_50_P_884	1104241-05	HSW2L2_FP0096_B0424_W_1493_50_D_883	1104229-06
HSW2L2_FP1088_B0423_W_1587_50_P_805	1104240-15	HSW2L2_FP1088_B0423_W_1587_50_D_804	1104223-15

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
HSW2L2_FP1089_B0423_W_1580_50_P_814	1104240-16	HSW2L2_FP1089_B0423_W_1580_50_D_813	1104223-14
HSW2L2_FP1090_B0423_W_1537_50_P_823	1104240-17	HSW2L2_FP1090_B0423_W_1537_50_D_822	1104223-16
HSW2L2_FP1091_B0423_W_1486_50_P_831	1104240-18	HSW2L2_FP1091_B0423_W_1486_50_D_830	1104223-18
HSW2L2_FP1091_B0423_W_1490_50_P_844	1104240-20	HSW2L2_FP1091_B0423_W_1490_50_D_843	1104223-20
HSW2L2_FP1091_B0423_W_504_50_P_839	1104240-19	HSW2L2_FP1091_B0423_W_504_50_D_838	1104223-19
HSW2L2_FP2083_B0422_W_1603_50_P_762	1104240-11	HSW2L2_FP2083_B0422_W_1603_50_D_761	1104223-12
HSW2L2_FP2084_B0422_W_1591_50_P_770	1104240-12	HSW2L2_FP2084_B0422_W_1591_50_D_769	1104223-13
HSW2L2_FP2085_B0422_W_1574_50_P_779	1104240-13	HSW2L2_FP2085_B0422_W_1574_50_D_778	1104223-03
HSW2L2_FP2087_B0422_W_1497_50_P_796	1104240-14	HSW2L2_FP2087_B0418_W_1497_50_D_795	1104229-07
HSW2L2_FP3079_B0418_W_1621_50_P_677	1104204-18	HSW2L2_FP3079_B0418_W_1621_50_D_676	1104179-09
HSW2L2_FP3080_B0419_W_1600_50_P_687	1104204-19	HSW2L2_FP3080_B0419_W_1600_50_D_686	1104179-11
HSW2L2_FP3081_B0419_W_1145_50_P_700	1104240-01	HSW2L2_FP3081_B0419_W_1145_50_D_699	1104197-01
HSW2L2_FP3081_B0419_W_1300_50_P_704	1104240-02	HSW2L2_FP3081_B0419_W_1300_50_D_703	1104197-02
HSW2L2_FP3081_B0419_W_1405_50_P_708	1104240-03	HSW2L2_FP3081_B0419_W_1405_50_D_707	1104197-03
HSW2L2_FP3081_B0419_W_1565_50_P_712	1104240-04	HSW2L2_FP3081_B0419_W_1565_50_D_711	1104197-04
HSW2L2_FP3081_B0419_W_1567_50_P_696	1104204-20	HSW2L2_FP3081_B0419_W_1567_50_D_695	1104179-10
HSW2L2_FP3081B_B0419_W_1558_50_P_721	1104240-05	HSW2L2_FP3081B_B0419_W_1558_50_D_720	1104223-01
HSW2L2_FP3082_B0420_W_1524_50_P_725	1104240-06	HSW2L2_FP3082_B0420_W_1524_50_D_724	1104223-02
HSW2L2_FP4074_B0418_W_1657_50_P_639	1104204-14	HSW2L2_FP4074_B0418_W_1657_50_D_638	1104179-06

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
HSW2L2_FP4075_B0418_W_1624_50_P_650	1104204-15	HSW2L2_FP4075_B0418_W_1624_50_D_649	1104179-02
HSW2L2_FP4076_B0418_W_1576_50_P_659	1104204-16	HSW2L2_FP4076_B0418_W_1576_50_D_658	1104179-07
HSW2L2_FP4077_B0418_W_1536_50_P_668	1104204-17	HSW2L2_FP4077_B0418_W_1536_50_D_667	1104179-08
HSW2L2_FP4078_B0420_W_1100_50_P_745	1104240-09	HSW2L2_FP4078_B0420_W_1100_50_D_744	1104223-06
HSW2L2_FP4078_B0420_W_1350_50_P_738	1104240-08	HSW2L2_FP4078_B0420_W_1350_50_D_737	1104223-05
HSW2L2_FP4078_B0420_W_1488_50_P_733	1104240-07	HSW2L2_FP4078_B0420_W_1488_50_D_732	1104223-04
HSW2L2_FP5070_B0416_W_1654_50_P_603	1104204-10	HSW2L2_FP5070_B0416_W_1654_50_D_602	1104179-01
HSW2L2_FP5071_B0416_W_1542_50_P_611	1104204-11	HSW2L2_FP5071_B0416_W_1542_50_D_610	1104179-03
HSW2L2_FP5072_B0417_W_1497_50_P_622	1104204-12	HSW2L2_FP5072_B0417_W_1497_50_D_621	1104179-04
HSW2L2_FP5073_B0417_W_1404_50_P_631	1104204-13	HSW2L2_FP5073_B0417_W_1404_50_D_630	1104179-05
HSW2L2_HB1097_B0424_W_1566_50_P_892	1104241-06	HSW2L2_HB1097_B0424_W_1566_50_D_891	1104229-02
HSW2L2_HB1098_B0424_W_1557_50_P_901	1104241-07	HSW2L2_HB1098_B0424_W_1557_50_D_900	1104229-03
AD1-12NM-1050-WP-A0721-7	1007224-07	AD1-12NM-1050-WD-A0721-06	1007222-06
AD1-12NM-1100-WP-A0721-27	1007224-04	AD1-12NM-1100-WD-A0721-26	1007222-07
AD1-12NM-1150-WP-A0721-21	1007224-03	AD1-12NM-1150-WD-A0721-17	1007222-02
AD1-12NM-1200-WP-A0721-18	1007224-05	AD1-12NM-1200-WD-A0721-12	1007222-03
AD1-12NM-1250-WP-A0721-30	1007224-01	AD1-12NM-1250-WD-A0721-29	1007222-01
GU2788-A0816-WF802E	1008269-01	GU2788-A0816-WF802-H3	1008259-02
GU2788-A0817-WF805E	1008269-04	GU2788-A0817-WF805-H3	1008259-06
GU2788-A0818-WF803E	1008269-05	GU2788-A0818-WF803-H3	1008259-10
GU2789-A0816-WF809E	1008269-03	GU2789-A0816-WF809-H3	1008259-04
GU2789-A0819-WF810E	1008313-01	GU2789-A0819-WF810-H3	1008322-01
GU2789-A0820-WF810E	1008313-02	GU2789-A0820-WF810-H3	1008322-02
GU2789-A1218-WW41052/41053	K1014189-005	GU2789-A0924-W5004	1009391-02
GU2790-A0821-WF803E	1008313-03	GU2790-A0821-WF803-H3	1008322-03

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
GU2888-A0814-WF810E	1008213-01	GU2888-A0814-WF810-H3	1008209-02
GU2888-A1207-WW4403/4404	K1013787-001	GU2888-A1207-WW4405	K1013787-002
HD4_HD4005_A1108_W_1540_D_113	1011110-01	HD4_HD4005_A1108_W_1540_D_114	1203054-03
HD4_HD4T1BOX9_A1109_W_1250_D_202	1011110-03	HD4_HD4T1BOX9_A1109_W_1250_D_201	1203054-04
HD4_HD4T2B1_A1114_W_1398_D_419	1011181-07	HD4_HD4T2B1_A1114_W_1398_D_418	1203054-09
HD4_HD4T3B3_A1113_W_1223_D_349	1011181-03	HD4_HD4T3B3_A1113_W_1223_D_348	1203054-08
HD4_HD4T3B6_A1114_W_1380_D_395	1011181-05	HD4_HD4T3B6_A1114_W_1380_D_394	1203054-11
HD4_HD4T3B6_A1114_W_1560_D_386	1011181-04	HD4_HD4T3B6_A1114_W_1560_D_385	1203054-10
HD4_HD4T3B6_A1114_W_400_D_404	1011181-06	HD4_HD4T3B6_A1114_W_400_D_403	1203054-12
HD4_HD4T6B2_A1112_W_1295_D_262	1011181-02	HD4_HD4T6B2_A1112_W_1295_D_261	1203054-06
HD4_HD4T7T1X_A1109_W_1350_D_157	1011110-02	HD4_HD4T7T1X_A1109_W_1350_D_156	1203054-05
HSW2L2_BREHIAmp_B0413_W_1299_50_P_481	1104204-02	HSW2L2_BREHiAmp_B0413_W_1299_50_D_480	1104145-02
HSW4_SLP20116_B0719_W_1973_W5_P_0176	1108045-19	HSW4_SLP20116_B0719_W_1973_W5_D_0175	1107093-01
HSW6_FP7211_B0831_W_1378_50_P_0359	1109025-05	HSW6_FP7211_B0831_W_1378_50_D_0358	1109009-10
HSW6_SLP16217_B1004_W_1414_50_P_0004	1109025-06	HSW6_SLP16217_B1004_W_1414_50_D_0003	1110013-01
HSW6_SLP16218_B1004_W_1298_50_P_0016	1109025-07	HSW6_SLP16218_B1004_W_1298_50_D_0015	1110013-02
HSW6_SLP16219_B1005_W_1142_50_P_0029	1109025-08	HSW6_SLP16219_B1005_W_1142_50_D_0028	1110013-03
HSW6_SLP16220_B1005_W_1362_50_P_0040	1109025-09	HSW6_SLP16220_B1005_W_1362_50_D_0039	1110013-04
HSW6_SLP16221_B1005_W_1356_50_P_0055	1109025-10	HSW6_SLP16221_B1005_W_1356_50_D_0054	1110013-05
HSW6L2_FP6222_B1011_P_1394_50_P_0066	1109025-11	HSW6L2_FP6222_B1011_W_1394_50_D_0065	1110013-06

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
HSW6L2_FP6223_B1011_P_1392_50_P_0078	1109025-12	HSW6L2_FP6223_B1011_W_1392_50_D_0077	1110013-07
HSW6L2_FP6224_B1011_P_1382_50_P_0090	1109025-13	HSW6L2_FP6224_B1011_W_1382_50_D_0089	1110013-08
HSW6L2_FP6225_B1011_P_1352_50_P_0100	1109025-14	HSW6L2_FP6225_B1011_W_1352_50_D_0099	1110013-09
HSW6L2_FP6226_B1012_P_1337_50_P_0110	1109025-15	HSW6L2_FP6226_B1012_W_1337_50_D_0109	1110013-10
HSW6L2_SEP8250J_B1017_P_1559_50_P_0416	1203042-02	HSW6L2_SEP8250J_B1017_W_1559_50_D_0415	1110048-01
HSW6L2_SEP8250M_B1017_P_1553_50_P_0425	1203042-03	HSW6L2_SEP8250M_B1017_W_1553_50_D_0424	1110048-02
HSW6L2_SEP8251_B1017_P_1528_50_P_0434	1203042-04	HSW6L2_SEP8251_B1017_W_1528_50_D_0434	1110048-03
HSW6L2_SEP8253_B1018_P_1485_50_P_0451	1203042-05	HSW6L2_SEP8253_B1018_W_1485_50_D_0450	1110048-04
HSW6L2_SLP12242_B1015_P_1376_50_P_0303	1110053-17	HSW6L2_SLP12242_B1015_W_1376_50_D_0302	1110040-11
HSW6L2_SLP12243_B1015_P_1296_50_P_0313	1110053-18	HSW6L2_SLP12243_B1015_W_1296_50_D_0312	1110040-12
HSW6L2_SLP12244_B1015_P_1291_50_P_0323	1110053-19	HSW6L2_SLP12244_B1015_W_1291_50_D_0322	1110040-13
HSW6L2_SLP18232_B1013_P_1859_50_P_0178	1110053-01	HSW6L2_SLP18232_B1013_W_1859_50_D_0177	1110040-07
HSW6L2_SLP18233_B1013_P_1852_50_P_0188	1110053-02	HSW6L2_SLP18233_B1013_W_1852_50_D_0187	1110040-08
HSW6L2_SLP18234_B1013_P_1832_50_P_0203	1110053-03	HSW6L2_SLP18234_B1013_W_1832_50_D_0202	1110040-09
HSW6L2_SLP18235_B1013_P_1816_50_P_0213	1110053-04	HSW6L2_SLP18235_B1013_W_1816_50_D_0212	1110040-10
HSW6L2_SLP19236_B1014_P_1732_50_P_0230	1110053-10	HSW6L2_SLP19236_B1014_W_1732_50_D_0229	1110040-01
HSW6L2_SLP19237_B1014_P_1719_50_P_0240	1110053-11	HSW6L2_SLP19237_B1014_W_1719_50_D_0239	1110040-02
HSW6L2_SLP19238_B1014_P_1699_50_P_0250	1110053-12	HSW6L2_SLP19238_B1014_W_1699_50_D_0249	1110040-03
HSW6L2_SLP19239_B1014_P_1687_50_P_0260	1110053-13	HSW6L2_SLP19239_B1014_W_1687_50_D_0259	1110040-04

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
HSW6L2_SLP19239B_B1014_P_1684_50_P_0280	1110053-15	HSW6L2_SLP19239B_B1014_W_1684_50_D_0279	1110040-06
HSW6L2_SLP19240_B1014_P_1620_50_P_0270	1110053-14	HSW6L2_SLP19240_B1014_W_1620_50_D_0269	1110040-05
HSW6L2_SLP22245_B1016_P_1782_50_P_0337	1110053-05	HSW6L2_SLP22245_B1016_W_1782_50_D_0336	1110040-14
HSW6L2_SLP22246_B1016_P_1752_50_P_0347	1110053-06	HSW6L2_SLP22246_B1016_W_1752_50_D_0346	1110040-15
HSW6L2_SLP22248_B1016_P_1751_50_P_0367	1110053-08	HSW6L2_SLP22248_B1016_W_1751_50_D_0366	1110040-16
HSW6L2_SLP22249_B1016_P_1740_50_P_0377	1110053-09	HSW6L2_SLP22249_B1016_W_1740_50_D_0376	1110040-17
HSW6L2_SLP3227_B1012_P_1567_50_P_0122	1109025-16	HSW6L2_SLP3227_B1012_W_1567_50_D_0121	1110013-11
HSW6L2_SLP3228_B1012_P_1509_50_P_0132	1109025-17	HSW6L2_SLP3228_B1012_W_1509_50_D_0131	1110013-12
HSW6L2_SLP3229_B1012_P_1415_50_P_0142	1109025-18	HSW6L2_SLP3229_B1012_W_1415_50_D_0141	1110013-13
HSW6L2_SLP3230_B1012_P_1386_50_P_0152	1109025-19	HSW6L2_SLP3230_B1012_W_1386_50_D_0151	1110013-14
HSW6L2_SLP3231_B1012_P_1341_50_P_0162	1109025-20	HSW6L2_SLP3231_B1012_W_1341_50_D_0161	1110013-15
HSW6L2_TWG254_B1018_P_1360_50_P_0461	1203042-06	HSW6L2_TWG254_B1018_W_1360_50_D_0460	1110048-05
MSAK43-A0911-We505	1009181-01	MSAK43-A0911-We504	1009180-02
MSAK43-A0911-We518	1009182-03	MSAK43-A0911-We517	1009180-03
SP1-WB-AUV309-87-W-092-P1	K1108549-001	SP1-WB-AUV309-87-W-092-P2	K1108549-002
SP1-WB-BD-SC-01-25KM-066-P1	K1108360-003	SP1-WB-BD-SC-01-25KM-066-P2	K1108360-004
SP1-WB-BM57-W-100-P1	K1108549-003	SP1-WB-BM57-W-100-P2	K1108549-004
SP1-WB-BX2-W-011-P1	K1108360-005	SP1-WB-BX2-W-011-P2	K1108360-006
SP1-WB-BX3-10KM-W-040-P1	K1108360-007	SP1-WB-BX3-10KM-W-040-P2	K1108360-008
SP1-WB-LB-OV011-W-084-P1	K1108360-001	SP1-WB-LB-OV011-W-084-P2	K1108360-002
SP1-WB-MB1-3-25KM-W-182-P1	K1108757-001	SP1-WB-MB1-3-25KM-W-182-P2	K1108757-002
SP1-WB-MB1-3-W-154-P1	K1108757-003	SP1-WB-MB1-3-W-154-P2	K1108757-004
SW-20100730-AD1B02-WP01	1008045-01	SW-20100730-AD1B02-WD01	1008044-01
SW-20100802-AD1B03-WP01	1008048-04	SW-20100802-AD1B03-WD01	1008050-07
SW-20100802-AD1B03-WP02	1008048-05	SW-20100802-AD1B03-WD02	1008050-08

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
SW-20100802-AD1B03-WP03	1008048-01	SW-20100802-AD1B03-WD03	1008050-02
SW-20100802-AD1B03-WP04	1008048-02	SW-20100802-AD1B03-WD04	1008050-04
SW-20100802-AD1B03-WP05	1008048-03	SW-20100802-AD1B03-WD05	1008050-06
SW-20100802-AD1B03-WP06	1008048-06	SW-20100802-AD1B03-WD06	1008050-11
SW-20100802-AD1B05-WP07	1008064-05	SW-20100802-AD1B05-WD07	1008062-09
SW-20100803-AD1B04-WP01	1008056-01	SW-20100803-AD1B04-WD01	1008052-01
SW-20100803-AD1B04-WP02	1008056-02	SW-20100803-AD1B04-WD02	1008052-03
SW-20100803-AD1B04-WP03	1008056-03	SW-20100803-AD1B04-WD03	1008052-05
SW-20100803-AD1B04-WP04	1008056-04	SW-20100803-AD1B04-WD04	1008052-15
SW-20100803-AD1B04-WP05	1008056-05	SW-20100803-AD1B04-WD05	1008052-17
SW-20100803-AD1B04-WP06	1008056-06	SW-20100803-AD1B04-WD06	1008052-06
SW-20100804-AD1B05-WP01	1008064-06	SW-20100804-AD1B05-WD01	1008062-11
SW-20100804-AD1B05-WP02	1008064-07	SW-20100804-AD1B05-WD02	1008062-13
SW-20100804-AD1B05-WP03	1008064-01	SW-20100804-AD1B05-WD03	1008062-01
SW-20100804-AD1B05-WP04	1008064-02	SW-20100804-AD1B05-WD04	1008062-03
SW-20100804-AD1B05-WP05	1008064-03	SW-20100804-AD1B05-WD05	1008062-05
SW-20100804-AD1B05-WP06	1008064-04	SW-20100804-AD1B05-WD06	1008062-07
NULL	NULL	GU27879-A0910-W5004	1009199-06
NULL	NULL	HSW2_HSW2015_B0331_P_W5_C_118	1104082-20
NULL	NULL	HSW2_HSW2017_B0331_P_W5_F_134	1104082-16
NULL	NULL	HSW2_HSW2030_B0403_P_W5_A_246	1104082-18
NULL	NULL	HSW2_HSW2032_B0403_P_W5_C_262	1104082-17
NULL	NULL	HSW2_HSW2034_B0403_P_W5_A_282	1104082-19
NULL	NULL	HSW2L2_FP3081_B0419_W_1568_50_P_U_716	1104200-04
NULL	NULL	HSW2L2_FP3081_B0419_W_1568_50_P_U_716	1104200-05
NULL	NULL	JF2-4km-4307ft-wd-20100529-N355	1006021-01
NULL	NULL	JF-2Km-deep-wd-20100512-E-128	K1004982-006

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
NULL	NULL	JF-2Km-leesurf-wd-20100513-E-172	K1004982-009
NULL	NULL	JF-2Km-mix30-wd-2010513-E-144	K1004982-007
NULL	NULL	JF-2Km-surf-wd-20100513-E-154	K1004982-008
NULL	NULL	JF-4Km-150ft-wd-20100512-E-108	K1004982-005
NULL	NULL	JF-4Km-Deep-wd-20100512-E-92	K1004982-004
NULL	NULL	JF-8Km-300fuzz-wd-20100512-E-59	K1004982-003
NULL	NULL	JF-Ref-Deep-wd-20100511-E-019	K1004982-001
NULL	NULL	JF-Ref-mix-wd-20100511-E-35	K1004982-002
NULL	NULL	SW-20100615-OV-008-3	6010995
NULL	NULL	SW-20100615-OV-008-4	6011106
NULL	NULL	SW-20100615-OV-023-2	6011115
NULL	NULL	SW-20100615-OV-032	6011124
NULL	NULL	SW-20100616-OV-027-2	6011140
GU2788-A0816-WF802-H2	1008259-01	GU2788-A0816-WF802D	1008268-01
GU2788-A0816-WF806E	1008269-02	GU2788-A0816-WF806D	1008268-02
GU2788-A0817-WF805-H2	1008259-05	GU2788-A0817-WF805D	1008268-04
GU2788-A0818-WF803-H2	1008259-09	GU2788-A0818-WF803D	1008268-05
GU2788-A1214-WW4797/4798	K1014117-001	NULL	NULL
GU2788-A1214-WW4799	K1014117-002	NULL	NULL
GU2788-A1214-WW4800/4801	K1014117-003	NULL	NULL
GU2788-A1214-WW4802	K1014117-004	NULL	NULL
GU2789-A0816-WF809-H2	1008259-03	NULL	NULL
GU2789-A1218-WW41054	K1014189-006	NULL	NULL
GU2789-A1218-WW41055/41056	K1014189-007	NULL	NULL
GU2789-A1218-WW41057	K1014189-008	NULL	NULL
GU2888-A0814-WF810-H2	1008209-01	NULL	NULL
GU2888-A1204-WW4057/4058	K1013643-001	NULL	NULL
GU2888-A1204-WW4059	K1013643-002	NULL	NULL
GU2888-A1204-WW4060/4061	K1013643-003	NULL	NULL
GU2888-A1204-WW4062	K1013643-004	NULL	NULL
GU2888-A1207-WW4406/4407	K1013787-003	NULL	NULL
GU2888-A1207-WW4408	K1013787-004	NULL	NULL
GU2888-A1207-WW4424/4425	K1013787-005	NULL	NULL

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
GU2888-A1207-WW4426	K1013787-006	NULL	NULL
GU2888-A1207-WW4427/4428	K1013787-007	NULL	NULL
GU2888-A1207-WW4429	K1013787-008	NULL	NULL
GU2888-A1207-WW4430/4431	K1013787-009	NULL	NULL
GU2888-A1207-WW4432	K1013787-010	NULL	NULL
GU2888-A1211-Ww4674	1012057-13	NULL	NULL
GU2888-A1211-WW4694/4695	K1013899-001	NULL	NULL
GU2888-A1211-WW4696	K1013899-002	NULL	NULL
GU2888-A1211-WW4697/4698	K1013899-003	NULL	NULL
GU2888-A1211-WW4699	K1013899-004	NULL	NULL
GU2889-A1217-WW4876/4877	K1014189-001	NULL	NULL
GU2889-A1217-WW4878	K1014189-002	NULL	NULL
GU2889-A1217-WW4879/4880	K1014189-003	NULL	NULL
GU2889-A1217-WW4881	K1014189-004	NULL	NULL
HD5_HD5002_A1208_W_608_P_032	K1013786-001	NULL	NULL
HD5_HD5002_A1208_W_608_P_033	K1013786-002	NULL	NULL
HD5_HD5003_A1208_W_1400_P_055	K1013786-003	NULL	NULL
HD5_HD5003_A1208_W_1400_P_056	K1013786-004	NULL	NULL
HD5_HD5003b_A1211_P_1563_W_077	K1013821-001	NULL	NULL
HD5_HD5003b_A1211_P_1563_W_078	K1013821-002	NULL	NULL
HD5_HD5004_A1214_W_1559_P_086	K1014119-001	NULL	NULL
HD5_HD5004_A1214_W_1559_P_087	K1014119-002	NULL	NULL
HD5_HD5005_A1215_W_1310_P_126	K1014119-005	NULL	NULL
HD5_HD5005_A1215_W_1310_P_127	K1014119-006	NULL	NULL
HD5_HD5006_A1215_W_1375_P_167	K1014111-003	NULL	NULL

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
HD5_HD5006_A1215_W_1375_P_168	K1014111-004	NULL	NULL
HD5_HD5006_A1215_W_1555_P_163	K1014111-001	NULL	NULL
HD5_HD5006_A1215_W_1555_P_164	K1014111-002	NULL	NULL
HD5_HD5007_A1215_W_1360_P_198	K1014111-005	NULL	NULL
HD5_HD5007_A1215_W_1360_P_199	K1014111-006	NULL	NULL
HSW6_FP7207_B0831_W_1433_50_P_0319	1109025-01	NULL	NULL
HSW6_FP7208_B0831_W_1428_50_P_0329	1109025-02	NULL	NULL
HSW6_FP7209_B0831_W_1403_50_P_0339	1109025-03	NULL	NULL
HSW6_FP7210_B0831_W_1392_50_P_0349	1109025-04	NULL	NULL
HSW6L2_SEP8250_B1016_P_1573_50_P_0389	1110053-20	NULL	NULL
HSW6L2_SLP12241_B1015_P_1470_50_P_0293	1110053-16	NULL	NULL
HSW6L2_SLP22247_B1016_P_1752_50_P_0357	1110053-07	NULL	NULL
JF.8Km.300fuzz.wp.20100512.N056	1005048-14	NULL	NULL
JF2.2km.v854ft.wp.20100525.N170	1005082-08	NULL	NULL
JF2.4km.30ft.wp.20100524.N108	1005081-03	NULL	NULL
JF2.8km.693ft.wp.20100523.N059	1005081-01	NULL	NULL
JF2-2km-3780ft-wp-20100527-N218	1006029-12	NULL	NULL
JF2-4km-55ft-20100529-N328	1006032-10	NULL	NULL
MSAK43-A0911-We507	1009182-02	NULL	NULL
MSAK43-A0918-WI8004	1009281-02	NULL	NULL
MSAK43-A0918-WI8006	1009281-03	NULL	NULL

Table A.1. Paired filter (particulate) and dissolved samples. Sample pairs include client ID and laboratory ID.

Filter client ID	Filter laboratory ID	Dissolved client ID	Dissolved laboratory ID
MSAK43-A0918-WI8008	1009281-04	NULL	NULL
MSAK43-A0918-WI8010	1009281-05	NULL	NULL
MSAK43-A0919-WI8004	1009281-07	NULL	NULL

Appendix B

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Response	2010132-01_LSU	2010132-01	7489.905762	2010-05-09	0	28.73432922	-88.35855103
DWH Response	2010132-62_LSU	2010132-62	14310.51953	2010-05-10	0	28.74378967	-88.35693359
DWH Response	2010132-36_LSU	2010132-36	10113.95996	2010-05-10	0	28.73406029	-88.36139679
DWH Trustee NRDA	JF.REF.MIX.WD.20100511.N031JF.ref.mix.wp.20100511.N032	1005013-091005048-11	0.215680003	2010-05-11	44.97999954	29.08641815	-88.02387238
DWH Trustee NRDA	JF.REF.SURF.WD.20100510.N028JF2.15km.137ft.wp.20100523.N033	1005013-031005080-07	2.848340034	2010-05-11	1	29.08654594	-88.02376556
DWH Trustee NRDA	JF.4KM.150FT.WD.20100512.N104JF.4Km.150ft.wp.20100512.N105	1005013-151005049-05	0.59454	2010-05-12	45.72000122	28.7361145	-88.32588196
DWH Trustee NRDA	JF.4KM.SURF.DIWD.20100512.N116JF.4Km.surf.diwp.20100512.N117	1005013-131005049-03	0.326099992	2010-05-12	0	28.7361393	-88.32953644
DWH Trustee NRDA	JF.4KM.SURF.WD.20100512.N112JF.4Km.surf.wp.20100512.N113	1005014-111005049-06	11.37413025	2010-05-12	1	28.73614502	-88.32585907
DWH Trustee NRDA	JF.8KM.MIX30.WD.20100512.N067JF.8Km.mix30.wp.20100512.N068	1005014-101005049-02	1.239510059	2010-05-12	9.140000343	28.7266407	-88.28747559
DWH Trustee NRDA	JF.8KM.MIX45.WD.20100512.N063JF.8Km.mix45.wp.20100512.N064	1005013-121005048-17	0.259119987	2010-05-12	13.71000004	28.7266655	-88.2875061
DWH Trustee NRDA	JF.8KM.SURF.WD.20100512.N071JF.8Km.surf.wp.20100512.N072	1005014-091005049-01	1.701760054	2010-05-12	1	28.72663879	-88.28748322

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Trustee NRDA	JF.2KM.135FT.WD.20100513.N132JF.2Km.135.wp.20100513.N133	1005014-131005049-11	0.874679983	2010-05-13	42.06000137	28.73775101	-88.34618378
DWH Trustee NRDA	JF.2KM.LEESURF.WD.20100513.N168JF.2Km.Leesurf.WP.20100513.N169	1005014-121005048-03	3.075960159	2010-05-13	1	28.73786736	-88.34627533
DWH Trustee NRDA	JF.2KM.MIX30.WD.20100513.N140JF.2Km.MIX30.WP.20100513.N141	1005014-041005048-05	2.062049866	2010-05-13	9.140000343	28.73770714	-88.34620667
DWH Trustee NRDA	JF.2KM.MIX75.WD.20100513.N136JF.2Km.MIX75.WP.20100513.N137	1005014-031005048-06	0.545009971	2010-05-13	22.86000061	28.73773766	-88.34618378
DWH Trustee NRDA	JF.2KM.SURF.WD.20100513.N148JF.2Km.Surf.WP.20100513.N149	1005014-071005048-01	0.963959992	2010-05-13	1	28.73775673	-88.34620667
DWH Trustee NRDA	751001-034B	1005020-02	8.105899811	2010-05-14	0	28.75816727	-88.21451569
DWH Trustee NRDA	751001-035C	1005020-06	384.3973083	2010-05-14	0	28.76801682	-88.42023468
DWH Trustee NRDA	751001-034A	1005020-01	7.054659843	2010-05-14	0	28.77211761	-88.31085205
DWH Trustee NRDA	751001-034C	1005020-03	120.1951981	2010-05-14	0	28.77383232	-88.30883026
DWH Trustee NRDA	751001-035A	1005020-04	6.986299992	2010-05-14	0	28.8496666	-88.40933228
DWH Trustee NRDA	751001-035B	1005020-05	4.706029892	2010-05-14	0	28.85816765	-88.48117065
DWH Trustee NRDA	751001-036D	1005020-10	4.514210224	2010-05-15	0	28.74222183	-88.41055298
DWH Trustee NRDA	751001-036A	1005020-07	1.469140053	2010-05-15	0	28.77861023	-88.42221832
DWH Trustee NRDA	751001-036C	1005020-09	90524.50781	2010-05-15	0	28.92861176	-88.45055389
DWH Trustee NRDA	751001-036B	1005020-08	14.22154045	2010-05-15	0	28.97027779	-88.47277832
DWH Response	2010138-43_LSU	2010138-43	0.200460002	2010-05-16	50	28.72240067	-88.38735199
DWH Response	2010138-45_LSU	2010138-45	1.098070025	2010-05-16	2	28.72240067	-88.38735199
DWH Response	2010138-74_LSU	2010138-74	203.8292236	2010-05-17	1	28.73204041	-88.37674713

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Response	MC252-VK126-NSA01-WC	Q9067-P	2.343699932	2010-05-17	1	28.94491959	-87.9786377
DWH Response	MC252-VK126-ISA01-WC	Q9062-P	3.827860117	2010-05-17	1	28.95189095	-87.97592163
DWH Response	MC252-VK126-ISA02-WC	Q9063-P	7.033569813	2010-05-17	1	28.95189095	-87.97592163
DWH Response	MC252-VK126-ISP01-WC	Q9061-P	2.51857996	2010-05-17	1	28.95657921	-87.99008179
DWH Response	MC252-VK126-BAK01-WC	Q9065-P	1.088199973	2010-05-17	1	28.97425079	-87.99931335
DWH Response	MC252-VK126-BAK02-WC	Q9066-P	1.538560033	2010-05-17	1	28.97425079	-87.99931335
DWH Response	MC252-SP091-NSA01-WC	Q9085-P	0.50545001	2010-05-18	1	28.68289948	-89.35479736
DWH Response	MC252-SP091-ISA01-WC	Q9086-P	7.66561985	2010-05-18	1	28.68289948	-89.35479736
DWH Response	MC252-SP091-ISA02-WC	Q9087-P	0.557770014	2010-05-18	1	28.68289948	-89.35479736
DWH Response	MC252-SP091-ISP01-WC	Q9091-P	0.812439978	2010-05-18	1	28.71010017	-89.264328
DWH Response	MC252-SP091-ISP01-WC-10M	Q9092-P	0.468730003	2010-05-18	10	28.71010017	-89.264328
DWH Response	MC252-SP091-BAK01-WC	Q9090-P	0.902480006	2010-05-18	1	28.72793961	-89.25369263
DWH Trustee NRDA	B31A-SP02	1005051-16	236.6248016	2010-05-19	0.5	28.64412498	-88.42666626
DWH Response	MC252-SP091-ISA01-WC-10M	Q9095-P	0.380199999	2010-05-19	10	28.68289948	-89.35479736
DWH Response	MC252-VK955-BAK01-WC	Q9106-P	4.603380203	2010-05-20	1	29.05413055	-88.17877197
DWH Response	MC252-VK955-BAK01-WC-10M	Q9107-P	0.354299992	2010-05-20	10	29.05413055	-88.17877197
DWH Response	MC252-VK955-ISP01-WC	Q9108-P	3.944060087	2010-05-20	1	29.06465912	-88.17391205
DWH Response	MC252-VK955-ISP01-WC-10M	Q9109-P	0.43265	2010-05-20	10	29.06465912	-88.17391205
DWH Response	MC252-VK955-ISA01-WC	Q9111-P	4.165909767	2010-05-20	1	29.07002068	-88.170578
DWH Response	T003-2333-100521-SW-1	T53123-1	0	2010-05-21	0	29.18342972	-90.30462646
DWH Response	MC252-VK955-ISA01-WC_10-0066	Q9111-P	4.161680222	2010-05-21	1	28.95232964	-88.52751923
DWH Response	MC252-MC116-ISA01-WC	Q9112-P	5.349619865	2010-05-21	-9	28.95358086	-88.51136017
DWH Response	MC252-MC116-ISA02-WC	Q9113-P	7.820199966	2010-05-21	1	28.95358086	-88.51136017
DWH Response	T001-1001-100524-SW-1	T53204-1	0	2010-05-24	0	28.93507004	-89.38581848
DWH Response	T003-1328-100524-SW-1	10110754-02A	0	2010-05-24	0	29.2123394	-90.12664032

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Response	T001-2414-100524-SW-1	T53204-4	0	2010-05-24	0	29.04376984	-89.35227203
DWH Response	T001-2415-100524-SW-1	T53204-5	0	2010-05-24	0	29.04038048	-89.22907257
DWH Response	MC252-MC205-ISA01-WC	Q9166-P	1.385920048	2010-05-24	1	28.71500015	-88.61582947
DWH Response	MC252-MC205-ISP02-WC	Q9167-P	1.122529984	2010-05-24	1	28.71500015	-88.61582947
DWH Response	MC252-MC205-ISP01-WC	Q9165-P	2.122570038	2010-05-24	1	28.76082993	-88.5843277
DWH Trustee NRDA	DSH 07-0	1005094-12	0.475769997	2010-05-25	0	29.25555992	-87.7352829
DWH Trustee NRDA	DSH 07-1	1005094-02	0.185629994	2010-05-25	50	29.25555992	-87.7352829
DWH Trustee NRDA	490111-2	1005087-06	0.11129	2010-05-25	2	28.72138977	-88.42007446
DWH Response	T001-SV008-100525-SW-1	10110754-07A	0	2010-05-25	0	29.19524956	-89.04553223
DWH Response	MC252-MC245-BAK01-WC	Q9285-P	0.07643	2010-05-25	1	28.74482918	-88.74182892
DWH Response	MC252-MC245-BAK02-WC-10M	Q9286-P	0.037450001	2010-05-25	10	28.74482918	-88.74182892
DWH Response	MC252-MC245-ISP01-WC-1M_BDO	Q9287-P	0.878250003	2010-05-25	1	28.78232956	-88.75466156
DWH Response	MC252-MC245-ISP02-WC-10M_BDO	Q9288-P	0.081189997	2010-05-25	10	28.78232956	-88.75466156
DWH Response	MC252-MC245-ISA01-WC	Q9289-P	0.424180001	2010-05-25	1	28.78232956	-88.76950073
DWH Response	MC252-MC245-ISA02-WC_BDO	Q9290-P	0.03805	2010-05-25	1	28.78232956	-88.76950073
DWH Response	MC252-MC245-ISA03-WC_BDO	Q9291-P	7.126369953	2010-05-25	1	28.78232956	-88.76950073
DWH Response	T001-SV008-100526-SW-1	T53409-4	0	2010-05-26	0	29.19524956	-89.04553223
DWH Response	MC252-MC505-BAK01-WC-1M	Q9293-P	3.275320053	2010-05-26	1	28.50406075	-88.96970367
DWH Response	MC252-MC505-BAK02-WC_BDO	Q9294-P	2.540400028	2010-05-26	1	28.50406075	-88.96970367
DWH Response	MC252-MC505-ISP01-WC-1M	Q9295-P	5.655529976	2010-05-26	1	28.52269936	-88.99137878
DWH Response	MC252-MC505-ISP02-WC_BDO	Q9296-P	3.288160086	2010-05-26	1	28.52269936	-88.99137878

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Trustee NRDA	V0203-2	1006004-03	0.384829998	2010-05-27	2	28.79730034	-88.75870514
DWH Response	T001-SV005-100527-SW-1	10110754-11A	0.0177	2010-05-27	0	29.19485092	-89.03942871
DWH Trustee NRDA	JF2-2km-120ft-wd-20100527-N240JF2-2km-120ft-wp-20100527-N239	1006018-101006029-04	1.490999937	2010-05-27	36.59999847	28.74928474	-88.38353729
DWH Trustee NRDA	JF2-2km-3ft-wd-20100527-N235JF2-2km-3ft-wp-20100527-N234	1006018-091006029-03	1.281129956	2010-05-27	0.899999976	28.74923134	-88.38357544
DWH Trustee NRDA	JF2-2km-50ft-wd-20100527-N200JF2-2km-50ft-wp-20100527-N199	1006018-031006029-08	0.349290013	2010-05-27	15.19999981	28.74937248	-88.38359833
DWH BP NRDA	JF2-2km-surf-O-20100527-N204	K1005673-001	491.9599915	2010-05-27	0	28.74939919	-88.38359833
DWH Trustee NRDA	GU-10-02-001-H-05A	1006008-05	1.368010044	2010-05-28	30.5	28.9090004	-88.78600311
DWH Trustee NRDA	GU-10-02-001-H-06A	1006008-09	0.075280003	2010-05-28	2.900000095	28.9090004	-88.78600311
DWH Response	T002-SV202-100528-SW-1	10110754-18A	0.025900001	2010-05-28	0	29.6031208	-88.82527161
DWH Response	T002-SV203-100528-SW-1	10110754-19A	0	2010-05-28	0	29.61322975	-88.84066772
DWH Trustee NRDA	JF2-3KM-35FT-WD-20100528-N273JF2-3km-35ft-wp-20100528-N272	1006020-091006030-07	7.393750191	2010-05-28	10.69999981	28.75430489	-88.39234161
DWH Trustee NRDA	JF2-3KM-3FT-WD-20100528-N262JF2-3km-3ft-wp-20100528-N261	1006020-071006030-04	3.327419996	2010-05-28	0.899999976	28.7544117	-88.39224243
DWH BP NRDA	JF2-3km-surf-O-20100528-N247	K1005673-002	549.6019897	2010-05-28	0	28.75441551	-88.39224243
DWH Trustee NRDA	GU-10-02-002-H-06A	1006006-01	0.095830001	2010-05-29	4.199999809	28.93183327	-88.74583435
DWH Trustee NRDA	GU-10-02-003-H-06A	1006010-10	0.311369985	2010-05-29	3.5	29.00466728	-87.94850159
DWH Trustee NRDA	GU-10-02-004-H-06A	1006009-05	0.346590012	2010-05-29	3.630000114	28.89599991	-88.01733398
DWH Response	T002-SV208-100529-SW-1	10110718-09A	0.0132	2010-05-29	0	29.10751915	-89.10500336

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Trustee NRDA	JF2-4km-32ft-wd-20100529-N332JF2-4km-32ft-wp-20100529-N331	1006021-091006032-11	1.260659933	2010-05-29	9.800000191	28.70826912	-88.38760376
DWH Trustee NRDA	JF2-4km-3ft-wd-20100529-N337JF2-4km-3ft-wp-20100529-N336	1006021-021006032-01	0.981249988	2010-05-29	0.899999976	28.70827103	-88.38760376
DWH BP NRDA	JF2-4km-surf-O-20100529-N305	K1005673-003	11700.54004	2010-05-29	0	28.70829964	-88.38760376
DWH Trustee NRDA	GU2888-A0531-W6501	1006025-11	2.178109884	2010-05-31	2	28.72354698	-88.41487885
DWH Trustee NRDA	GU2888-A0531-W6503	1006025-13	0.236619994	2010-05-31	50	28.72354698	-88.41487885
DWH Trustee NRDA	GU2888-A0531-W6508	1006025-03	1.625219941	2010-05-31	2	28.70509338	-88.40164948
DWH Trustee NRDA	GU2888-A0531-W6517	1006033-02	0.077320002	2010-05-31	2	28.67232323	-88.43593597
DWH Trustee NRDA	GU2888-A0531-W6524	1006033-08	0.522499979	2010-05-31	2	28.63892746	-88.47128296
DWH Trustee NRDA	GU-10-02-008-H-06A	1006012-10	0.09663	2010-05-31	3.980000019	28.80283356	-88.22916412
DWH Response	2010153-35_LSU	2010153-35	0.065554	2010-05-31	50	28.72353935	-88.41487122
DWH Response	2010153-36_LSU	2010153-36	0.379373997	2010-05-31	2	28.72353935	-88.41487122
DWH Response	T002-SV218-100531-SW-1	T53547-9	0	2010-05-31	0	29.11322975	-89.0591507
DWH Response	T001-SW03-100531-SW-1	T53547-5	0	2010-05-31	0	29.12071991	-89.05428314
DWH BP NRDA	JF2-2.5km-surf-O-20100531-N425	K1005673-007	6.888999939	2010-05-31	0	28.7602005	-88.35700226
DWH BP NRDA	JF2-2.5km-Surf-Disp-20100531-E426	K1005675-008	71.45200348	2010-05-31	0	28.7602005	-88.35700226
DWH Trustee NRDA	BB009A-WA02	DWH1618	1.124379992	2010-06-02	0	28.81011963	-88.33870697
DWH Trustee NRDA	BB009B-WA01	DWH1619	0.872619987	2010-06-02	1	28.81011963	-88.33870697
DWH Trustee NRDA	BB009C-WA01	DWH1620	0.077940002	2010-06-02	5	28.81011963	-88.33870697
DWH Trustee NRDA	BB009D-WA01	DWH1621	0.058389999	2010-06-02	12	28.81011963	-88.33870697
DWH Trustee NRDA	BB009A-WA01	DWH1617	1.448650002	2010-06-02	0	28.81269073	-88.33844757
DWH Trustee NRDA	BB008A-WA01	DWH1613	1.58762002	2010-06-02	0	28.81331062	-88.50688171
DWH Trustee NRDA	BB008B-WA01	DWH1614	1.070709944	2010-06-02	1	28.81328011	-88.50733948

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Trustee NRDA	BB008C-WA01	DWH1615	1.118829966	2010-06-02	3	28.81328011	-88.50733948
DWH Trustee NRDA	BB008D-WA01	DWH1616	0.264820009	2010-06-02	10	28.81328011	-88.50733948
DWH Trustee NRDA	BB007B-WA01	DWH1610	0.537639976	2010-06-02	1	28.95078087	-88.49049377
DWH Trustee NRDA	BB007C-WA01	DWH1611	0.613470018	2010-06-02	3	28.95078087	-88.49049377
DWH Trustee NRDA	BB007D-WA01	DWH1612	0.02785	2010-06-02	8	28.95078087	-88.49049377
DWH Trustee NRDA	GU-10-02-025-H-06A	1006044-07	1.357319951	2010-06-02	2.680000067	28.6779995	-88.32033539
DWH Response	OV013051	6000624	0.033	2010-06-02	2	28.80197906	-88.39186096
DWH Response	OV013041-1	6000623	0	2010-06-02	50	28.80197906	-88.39186096
DWH Response	OV014061-1	6000607	0.303000003	2010-06-02	2	28.77092934	-88.3920517
DWH Response	OV014051-1	6000606	0.022	2010-06-02	50	28.77092934	-88.3920517
DWH Response	OV015071-1	6000601	0.023	2010-06-02	50	28.74007988	-88.3915863
DWH BP NRDA	BB009A-WA02	DWH1618	1.124379992	2010-06-02	0	28.81011963	-88.33870697
DWH BP NRDA	BB009-B-WA01	ETX9965	0.474424988	2010-06-02	1	28.81011963	-88.33870697
DWH BP NRDA	BB009-C-WA01	ETX9966	0.066059001	2010-06-02	5	28.81011963	-88.33870697
DWH BP NRDA	BB009-D-WA01	ETX9967	0.042013001	2010-06-02	12	28.81011963	-88.33870697
DWH BP NRDA	BB009A-WA01	DWH1617	1.448650002	2010-06-02	0	28.81269073	-88.33844757
DWH BP NRDA	BB008-B-WA01	ETX9959	0.901530981	2010-06-02	1	28.81328011	-88.50733948
DWH BP NRDA	BB008-C-WA01	ETX9960	0.985193014	2010-06-02	3	28.81328011	-88.50733948
DWH BP NRDA	BB008-D-WA01	ETX9961	0.072705999	2010-06-02	10	28.81328011	-88.50733948
DWH BP NRDA	BB009-A-WA01	ETX9962	1.549762964	2010-06-02	0	28.81329918	-88.33850098
DWH BP NRDA	BB008-A-WA01	ETX9958	0.826599002	2010-06-02	0	28.81331062	-88.50688171
DWH BP NRDA	BB007A-WA01	DWH1609	0.233229995	2010-06-02	0	28.94910049	-88.48815155
DWH BP NRDA	BB007-C-WA01	ETX9956	0.510325015	2010-06-02	3	28.95078087	-88.49049377
DWH BP NRDA	BB007-D-WA01	ETX9957	0.035165999	2010-06-02	8	28.95078087	-88.49049377
DWH BP NRDA	BB007-B-WA01	ETX9955	0.466643989	2010-06-02	1	28.95100975	-88.4908371
DWH Trustee NRDA	GU2888-A0605-W6517	1006071-01	1.281280041	2010-06-06	2	28.69368935	-88.36681366
DWH Trustee NRDA	GU2888-A0606-W6509	1006070-01	7.997650146	2010-06-06	2	28.69733047	-88.34677887

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Trustee NRDA	GU2888-A0606-W6511	1006070-03	0.150189996	2010-06-06	32	28.69733047	-88.34677887
DWH Trustee NRDA	GU2888-A0606-W6517	1006070-09	9.06140995	2010-06-06	2	28.70672035	-88.33033752
DWH Trustee NRDA	GU2888-A0606-W6526	1006076-01	3.95359993	2010-06-06	2	28.72941971	-88.35579681
DWH Trustee NRDA	TJ1111 WA 01	1006085-02	0.196569994	2010-06-06	50	28.72016716	-88.45033264
DWH Trustee NRDA	TJ1112 WA 01	1006085-03	0.931209981	2010-06-06	5	28.72016716	-88.45033264
DWH Trustee NRDA	TJ1212 WA 01	1006085-06	2.342519999	2010-06-06	5	28.69702911	-88.50914764
DWH Response	BM710110-01-1	6001077	4.368999958	2010-06-06	2	28.7292099	-88.35572815
DWH BP Public	S1-6-2W-06092010	K1006073-006	0.135900006	2010-06-09	0.100000001	29.20240021	-90.00009918
DWH Response	T007-SG018-100609-SW-1	1011880-04A	0.086000003	2010-06-09	0	29.32228088	-89.84365082
DWH Response	T002-SV226-100609-SW-1	1011880-05A	0	2010-06-09	0	28.94898033	-89.29902649
DWH Response	OV032081-1	6006017	1.345000029	2010-06-09	1.820000052	28.7155304	-88.36142731
DWH Response	OV032071-1	6006016	0	2010-06-09	49.90999985	28.7155304	-88.36142731
DWH Response	OV033081-1	6006025	1.914999962	2010-06-09	2.980000019	28.7158699	-88.37168884
DWH Response	OV034081-1	6006033	20.51000023	2010-06-09	2.200000048	28.71821976	-88.37695313
DWH Response	OV035081-1	6006087	2.960000038	2010-06-09	2.589999914	28.72400093	-88.38497925
DWH Response	NS010612SW0107	21006121309	0	2010-06-12	0.300000012	30.19722939	-87.74504852
DWH Response	NS010612SW0110	21006121310	0	2010-06-12	0.300000012	30.19722939	-87.74504852
DWH Trustee NRDA	GU2888-A0612-W9966	1006113-01	1.66268003	2010-06-12	2	28.75876999	-88.41226196
DWH Trustee NRDA	GU2888-A0612-W9967	1006113-02	0.019269999	2010-06-12	39	28.75876999	-88.41226196
DWH Trustee NRDA	GU2888-A0612-W9981	1006113-13	1.139760017	2010-06-12	2	28.74920082	-88.38929749
DWH Trustee NRDA	GU2888-A0612-W9980	1006113-12	0.034189999	2010-06-12	40	28.74920082	-88.38929749
DWH Trustee NRDA	GU2888-A0612-W9989	1006113-20	0.055130001	2010-06-12	2	28.73564911	-88.39179993
DWH Trustee NRDA	GU2888-A0612-W9990	1006117-07	1.43919003	2010-06-12	2	28.73998833	-88.37656403
DWH Response	BM790110-01-1	6006285	1.024000049	2010-06-12	39.41999817	28.75876999	-88.41226196
DWH Response	BM790111-01-1	6006286	1.282999992	2010-06-12	2.339999914	28.75876999	-88.41226196
DWH Response	BM800110-01-1	6006400	0	2010-06-12	40.22000122	28.74873924	-88.38934326
DWH Response	BM810111-01-3	6006269	1.268000007	2010-06-12	2.230000019	28.73547935	-88.39186096

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Response	NS030615DW0038	21006154731	0	2010-06-15	20.42000008	30.20999908	-87.30249786
DWH Response	NS030615IW0037	21006154730	0	2010-06-15	9.75	30.20999908	-87.30249786
DWH Response	NS030615SW0036	21006154729	0	2010-06-15	0	30.20999908	-87.30249786
DWH Response	SW-20100615-OV-007	6010914	0.419	2010-06-15	3.279999971	28.74142075	-88.41760254
DWH Response	SW-20100615-OV-017	6010916	0.270999998	2010-06-15	3.150000095	28.73200989	-88.37679291
DWH Response	SW-20100615-OV-022	6011114	0.046	2010-06-15	3.00999999	28.78075027	-88.3878479
DWH Response	SW-20100615-OV-031	6011123	0.052999999	2010-06-15	2.25999999	28.78034973	-88.34780884
DWH Response	SW-20100615-OV-030	6011122	0	2010-06-15	49.75999832	28.78034973	-88.34780884
DWH Response	SW-20100615-OV-041	6011138	38.81399918	2010-06-15	1	28.75452042	-88.35798645
DWH Response	SW-20100615-OV-033	6011128	0.026000001	2010-06-15	3.599999905	28.75452042	-88.35798645
DWH Response	SW-20100615-OV-034	6011129	0	2010-06-15	49.79999924	28.75452042	-88.35798645
DWH Trustee NRDA	GU2888-A0619-W9957	1006203-01	0.182190001	2010-06-19	2	28.80207062	-88.29371643
DWH Trustee NRDA	GU2888-A0619-W9965	1006171-01	5.33698988	2010-06-19	2	28.82875252	-88.36668396
DWH Trustee NRDA	GU2888-A0619-W9973	1006189-01	3.731489897	2010-06-19	2	28.80287552	-88.43848419
DWH Trustee NRDA	GU2888-A0619-W9981	1006171-09	4.898409843	2010-06-19	2	28.77804947	-88.39131165
DWH Trustee NRDA	GU2888-A0619-W9989	1006172-01	2.867449999	2010-06-19	2	28.76256371	-88.3815918
DWH Trustee NRDA	EN011103	1006213-09	0.01346	2010-06-19	15.31999969	28.35803986	-88.38414001
DWH Response	BM950111-01	6013233	0	2010-06-19	2	28.8024807	-88.29376221
DWH Response	BM960111-01	6013138	0.70599997	2010-06-19	2.220000029	28.82872963	-88.36670685
DWH Response	BM970111-01	6013225	0.838999987	2010-06-19	2.099999905	28.8028698	-88.43852234
DWH Response	BM980111-01	6013162	1.835999966	2010-06-19	2.299999952	28.77804947	-88.39125824
DWH Response	BM990111-01	6013201	0.200000003	2010-06-19	2.400000095	28.76256943	-88.38157654
DWH Response	NS040619DW0035	21006200454	0	2010-06-19	22.86000061	30.02840042	-85.81690216
DWH Response	NS040619IW0036	21006200455	0	2010-06-19	11.27999973	30.02840042	-85.81690216
DWH Response	NS040619SW0037	21006200456	0	2010-06-19	0	30.02840042	-85.81690216
DWH Response	GSAL0619SW0025	21006190145	0	2010-06-19	-9	30.2472496	-87.68321991
DWH Trustee NRDA	GU2988A0620W109-20	1006232-05	0.213259995	2010-06-20	3.5	29.23080063	-88.62333679

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Trustee NRDA	GU2988A0620W109-19	1006232-04	0.146899998	2010-06-20	7.300000191	29.23080063	-88.62333679
DWH Trustee NRDA	GU2988A0620W109-18	1006232-03	0.0229	2010-06-20	20	29.23080063	-88.62333679
DWH Trustee NRDA	GU2988A0620W109-17	1006232-02	0.024560001	2010-06-20	40	29.23080063	-88.62333679
DWH Trustee NRDA	GU2988A0620W109-24	1006232-09	0.065609999	2010-06-20	3.299999952	29.40447998	-88.69766998
DWH Trustee NRDA	GU2988A0620W109-22	1006232-07	0.024110001	2010-06-20	20	29.40447998	-88.69766998
DWH Trustee NRDA	GU2988A0620W109-21	1006232-06	0.020439999	2010-06-20	39.29999924	29.40447998	-88.69766998
DWH Trustee NRDA	EN021103	1006213-05	0.01313	2010-06-20	15.78999996	28.59370041	-88.56282806
DWH Trustee NRDA	EN031103	1006221-12	0.037760001	2010-06-20	15.27000046	28.63986015	-88.56391907
DWH Trustee NRDA	EN041103	1006219-13R	0.01544	2010-06-20	14.77999973	28.67886925	-88.58589935
DWH Trustee NRDA	EN051103	1006217-12	0.0116	2010-06-20	14.84000015	28.73616028	-88.43504333
DWH Trustee NRDA	EN081103	1006223-11	0.029929999	2010-06-21	15.77999973	28.73080063	-88.34950256
DWH Response	MC252-MC296-ISA03-WC-01	P0048-P	1.902670026	2010-06-21	1	28.61817932	-88.41146851
DWH Response	MC252-MC296-ISA04-WC-10	P0049-P	0.130879998	2010-06-21	10	28.61817932	-88.41146851
DWH Response	MC252-MC296-ISA02-WC-10	P0047-P	0.078160003	2010-06-21	10	28.62439919	-88.407547
DWH Response	MC252-MC296-ISA01-WC-01	P0046-P	1.196439981	2010-06-21	1	28.62491989	-88.40679932
DWH Response	MC252-MC296-ISP02-WC-10	P0044-P	0.118000001	2010-06-21	10	28.64195061	-88.39347839
DWH Response	MC252-MC296-ISP01-WC-01	P0043-P	7.358990192	2010-06-21	1	28.64273071	-88.3928833
DWH Response	MC252-MC296-BAK01-WC-01	P0041-P	1.013020039	2010-06-21	1	28.66061974	-88.4381485
DWH Response	MC252-MC296-BAK02-WC-10	P0042-P	0.377889991	2010-06-21	10	28.66061974	-88.4381485
DWH Trustee NRDA	GU2987A0622W109-04	1006251-04	0.092249997	2010-06-22	3.599999905	29.81839943	-87.52233124
DWH Trustee NRDA	GU2987A0622W109-03	1006251-03	0.05841	2010-06-22	7	29.81839943	-87.52233124
DWH Trustee NRDA	GU2987A0622W109-02	1006251-02	0.01202	2010-06-22	20	29.81839943	-87.52233124
DWH Trustee NRDA	GU2987A0622W109-01	1006251-01	0	2010-06-22	33	29.81839943	-87.52233124
DWH Trustee NRDA	GU2987A0622W109-11	1006251-11	0.02561	2010-06-22	3.799999952	29.73150063	-87.22899628
DWH Trustee NRDA	GU2987A0622W109-10	1006251-10	0.00384	2010-06-22	6.300000191	29.73150063	-87.22899628
DWH Trustee NRDA	GU2987A0622W109-09	1006251-09	0.0032	2010-06-22	25	29.73150063	-87.22899628
DWH Trustee NRDA	GU2987A0622W109-08	1006251-08	0	2010-06-22	50	29.73150063	-87.22899628

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Trustee NRDA	GU2987A0622W109-17	1006249-06	0.03822	2010-06-22	44	29.5549202	-87.32466888
DWH Trustee NRDA	GU2987A0622W109-18	1006249-07	0.035580002	2010-06-22	20	29.5549202	-87.32466888
DWH Trustee NRDA	GU2987A0622W109-19	1006249-08	0.061949998	2010-06-22	7.5	29.5549202	-87.32466888
DWH Trustee NRDA	GU2987A0622W109-20	1006249-09	0.344660014	2010-06-22	3.200000048	29.5549202	-87.32466888
DWH Trustee NRDA	EN091103	1006224-11	0.059160002	2010-06-22	15.64999962	28.7493	-88.3483963
DWH Trustee NRDA	EN101103	1006265-11	0.120269999	2010-06-22	14.52999973	28.74150085	-88.43779755
DWH Response	SW-20100622-OV-009	6016767	40.77700043	2010-06-22	1	28.75452042	-88.35798645
DWH Response	MC252-MC075-BAK02-WC-10	P0051-P	0.795340002	2010-06-22	10	28.93947029	-88.39212036
DWH Response	MC252-MC075-BAK01-WC-01	P0050-P	0.93355	2010-06-22	1	28.94218063	-88.39225006
DWH Response	MC252-MC075-ISP01-WC-01	P0052-P	2.90831995	2010-06-22	1	28.95033073	-88.36991882
DWH Response	MC252-MC075-ISP02-WC-10	P0053-P	0.549130023	2010-06-22	10	28.95033073	-88.36991882
DWH Response	MC252-MC075-ISA02-WC-10	P0055-P	0.706120014	2010-06-22	10	28.96433067	-88.34999847
DWH Response	MC252-MC075-ISA01-WC-01	P0054-P	1.178760052	2010-06-22	1	28.96458054	-88.35027313
DWH Trustee NRDA	GU2988A0623W109-07	1006253-07	1.088209987	2010-06-23	3.400000095	29.17270088	-88.48683167
DWH Trustee NRDA	GU2988A0623W109-06	1006253-06	0.432139993	2010-06-23	7.400000095	29.17270088	-88.48683167
DWH Trustee NRDA	GU2988A0623W109-05	1006253-05	0.027960001	2010-06-23	25	29.17270088	-88.48683167
DWH Trustee NRDA	GU2988A0623W109-04	1006253-04	0.038290001	2010-06-23	50	29.17270088	-88.48683167
DWH Trustee NRDA	GU2888A0623W109-33	1006245-19	8.328820229	2010-06-23	3.5	28.77319908	-88.36316681
DWH Trustee NRDA	GU2888A0623W109-32	1006245-18	3.51741004	2010-06-23	7.199999809	28.77319908	-88.36316681
DWH Trustee NRDA	GU2888A0623W109-31	1006245-17	0.052870002	2010-06-23	25	28.77319908	-88.36316681
DWH Trustee NRDA	GU2888A0623W109-30	1006245-16	0.040770002	2010-06-23	50	28.77319908	-88.36316681
DWH Trustee NRDA	EN111103	1006284-07	0.03805	2010-06-23	15.44999981	28.74838066	-88.34877777
DWH BP Public	S1-12-1W-06232010	K1006605-005	0.026699999	2010-06-23	0.100000001	30.31760025	-86.86209869
DWH BP Public	S2-11-5W-06232010	K1006605-006	0	2010-06-23	0.100000001	30.36199951	-86.94940186
DWH Trustee NRDA	GU2888-A0623-W9901	1006296-03	0.112450004	2010-06-23	2	28.6965065	-88.38495636
DWH Trustee NRDA	GU2888-A0623-W9917	1006297-01	0.022740001	2010-06-23	3	28.71505928	-88.37137604
DWH Response	BM1000111-01	6018575	0.055	2010-06-23	2	28.69650078	-88.38497162

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Response	BM1020111-01	6018590	0	2010-06-23	2.579999924	28.71504021	-88.37135315
DWH Response	100623E	-9	0.930000007	2010-06-23	1	30.18596077	-87.17736816
DWH Response	100623F	-9	0.579999983	2010-06-23	30	30.18594933	-87.17733002
DWH Response	NS010624SW0186	21006245709	0	2010-06-24	0.300000012	30.19722939	-87.74497223
DWH Response	NS010624IW0187	21006245710	0	2010-06-24	6.099999905	30.19722939	-87.74497223
DWH Response	NS010624DW0188	21006245711	0	2010-06-24	12.18999958	30.19722939	-87.74497223
DWH Response	NS010624SW0189	21006245712	0	2010-06-24	0.300000012	30.17794991	-87.87709808
DWH Response	NS010624IW0190	21006245713	0	2010-06-24	4.880000114	30.17794991	-87.87709808
DWH Response	NS010624DW0191	21006245714	0	2010-06-24	10.97000027	30.17794991	-87.87709808
DWH BP Public	S1-11-1W-06242010	K1006605-016	0.0075	2010-06-24	0.100000001	30.23900032	-87.72029877
DWH BP Public	S1-11-2W-06242010	K1006605-015	2.613399982	2010-06-24	0.100000001	30.24830055	-87.63939667
DWH BP Public	S1-11-3W-06242010	K1006605-014	0	2010-06-24	0.100000001	30.26339912	-87.55899811
DWH BP Public	S1-11-4W-06242010	K1006605-013	0	2010-06-24	0.100000001	30.28120041	-87.47840118
DWH BP Public	S2-11-1W-06242010	K1006605-011	0	2010-06-24	0.100000001	30.29829979	-87.31340027
DWH Response	NS030624SW0080	21006254021	0	2010-06-24	0	30.19622993	-87.4818573
DWH Response	NS030624IW0081	21006254022	0	2010-06-24	8.229999542	30.19622993	-87.4818573
DWH Response	NS030624DW0082	21006254023	0	2010-06-24	17.37000084	30.19622993	-87.4818573
DWH Response	NS030624SW0083	21006254024	0	2010-06-24	0	30.20973969	-87.30271149
DWH Response	NS030624IW0084	21006254025	0	2010-06-24	8.229999542	30.20973969	-87.30271149
DWH Response	NS030624DW0085	21006254026	0	2010-06-24	17.37000084	30.20973969	-87.30271149
DWH Response	DIAL0624SW0029	21006245719	0	2010-06-24	-9	30.2498703	-88.14099884
DWH Response	1281718	NR	0	2010-06-24	0.5	30.29857063	-87.41457367
DWH Response	MC252-MP246-ISA02-WC-10_BDO	P0239-P	0.044059999	2010-06-24	10	29.31755066	-88.21824646
DWH Response	MC252-MP246-ISA01-WC-01_BDO	P0238-P	77.24378204	2010-06-24	1	29.31777	-88.21520233

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Response	MC252-MP246-ISP02-WC-10_BDO	P0237-P	0	2010-06-24	10	29.35268021	-88.19229889
DWH Response	MC252-MP246-ISP01-WC-01_BDO	P0234-P	2.668720007	2010-06-24	1	29.35302925	-88.19223022
DWH Response	MC252-MP246-BAK02-WC-10_BDO	P0233-P	0	2010-06-24	10	29.36613083	-88.19126892
DWH Response	NS010625SW0198DUP	21006254015	0	2010-06-25	0.910000026	30.17794991	-87.87709808
DWH Response	NS010625SW0195	21006254009	0	2010-06-25	0.910000026	30.1677494	-88.38002777
DWH Response	NS010625IW0196	21006254010	0	2010-06-25	7.619999886	30.1677494	-88.38002777
DWH Response	NS010625DW0197	21006254011	0	2010-06-25	15.23999977	30.1677494	-88.38002777
DWH Response	GOM-2 Bottom 06/25/10	10F0427-03	0	2010-06-25	14.93999958	30.16733932	-88.38027191
DWH Response	GOM-2 Mid 06/25/10	10F0427-02	0	2010-06-25	7.46999979	30.16733932	-88.38027191
DWH Response	GOM-2 Surface 06/25/10	10F0427-01	0	2010-06-25	0.200000003	30.16733932	-88.38027191
DWH Response	BM1110109-01	6018785	0	2010-06-25	2	28.7560997	-88.3949585
DWH Response	NS020625SW0100	21006260549	0	2010-06-25	0	30.34263039	-88.96690369
DWH Response	NS020625DW0101	21006260550	0	2010-06-25	2.130000114	30.34263039	-88.96690369
DWH Response	NS050625SW0076	21006260584	0	2010-06-25	0	30.15786934	-88.42259216
DWH Response	NS050625IW0077	21006260585	0	2010-06-25	6.710000038	30.15786934	-88.42259216
DWH Response	NS050625DW0078	21006260586	0	2010-06-25	13.72000027	30.15786934	-88.42259216
DWH Response	NS050625SW0082	21006260590	0	2010-06-25	0	30.19111061	-88.77487183
DWH Response	NS050625IW0083	21006260591	0	2010-06-25	5.179999828	30.19111061	-88.77487183
DWH Response	NS050625DW0084	21006260592	0	2010-06-25	10.06000042	30.19111061	-88.77487183
DWH Response	NS010626SW0202	21006260529	0	2010-06-26	0.910000026	30.19722939	-87.74501801
DWH Response	NS010626IW0203	21006260530	0	2010-06-26	5.940000057	30.19722939	-87.74501801
DWH Response	NS010626DW0204	21006260531	0	2010-06-26	11.89000034	30.19722939	-87.74501801
DWH Response	NS010626SW0205	21006260532	0	2010-06-26	0.910000026	30.1778698	-87.87693787
DWH Response	NS010626IW0206	21006260533	0	2010-06-26	5.329999924	30.1778698	-87.87693787

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Response	NS010626DW0207	21006260534	0	2010-06-26	10.67000008	30.1778698	-87.87693787
DWH Trustee NRDA	GU2888-A0625-W9987	1006309-03	1.616729975	2010-06-26	2	28.75624084	-88.39501953
DWH Trustee NRDA	GU2888-A0626-WB124	1007003-04	0.190960005	2010-06-26	3	28.73827553	-88.38648987
DWH Trustee NRDA	GU2888-A0626-WB123	1007003-03	0.090810001	2010-06-26	50	28.73827553	-88.38648987
DWH Response	NS030626DW0093	21006260560	0	2010-06-26	16.76000023	30.19572067	-87.48119354
DWH Response	NS030626IW0092	21006260559	0	2010-06-26	7.920000076	30.19572067	-87.48119354
DWH Response	NS030626SW0091	21006260558	0	2010-06-26	0	30.19572067	-87.48119354
DWH Response	NS030626DW0096	21006260563	0	2010-06-26	20.42000008	30.20985985	-87.30230713
DWH Response	NS030626SW0094	21006260561	0	2010-06-26	0	30.20985985	-87.30230713
DWH Response	NS030626IW0095	21006260562	0	2010-06-26	9.75	30.20985985	-87.30230713
DWH Response	SW-20100626-OV-027	6019639	0.828000009	2010-06-26	0.5	28.73827934	-88.38648987
DWH Response	SW-20100626-OV-026	6019635	0.166999996	2010-06-26	3.599999905	28.73827934	-88.38648987
DWH Response	MC252-MP229-ISA02-WC-10_BDO	P0317-P	0.236129999	2010-06-26	10	29.39032936	-88.24658203
DWH Response	MC252-MP229-ISA03-WC-01_BDO	P0318-P	0.099490002	2010-06-26	1	29.39032936	-88.24658203
DWH Response	MC252-MP229-ISA04-WC-10_BDO	P0319-P	0.040550001	2010-06-26	-9	29.39032936	-88.24658203
DWH Response	MC252-MP229-ISA01-WC-01_BDO	P0316-P	1.897459984	2010-06-26	1	29.39439964	-88.2349472
DWH Response	MC252-MP229-BAK01-WC-01_BDO	P0312-P	0.113729998	2010-06-26	10	29.42477036	-88.22415161
DWH BP Public	FD-RB-330-20NM-1M-06272010-PAH	ENX0479	0.079046004	2010-06-27	1	29.03639984	-88.53800201
DWH BP Public	FD-RB-RT-A1-1M-06272010-PAH	ENX0486	0.038819999	2010-06-27	1	28.76309967	-88.48249817
DWH Response	MC252-MP168-ISA03-WC-01_BDO	P0326-P	0.218520001	2010-06-27	1	29.42477036	-88.22415161

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Trustee NRDA	OV078-A0702-WB199-2	1007038-10	2.690109968	2010-07-02	0.5	28.75131989	-88.37996674
DWH Trustee NRDA	OV078-A0702-WB108-2	1007038-09	0.05807	2010-07-02	3	28.75131989	-88.37996674
DWH Trustee NRDA	OV078-A0702-WB107-2	1007038-08	0.01474	2010-07-02	50	28.75131989	-88.37996674
DWH Trustee NRDA	OV081-A0702-WB108-2	1007036-18	0.00114	2010-07-02	3	28.7398243	-88.43753052
DWH Trustee NRDA	OV081-A0702-WB107-2	1007036-17	0	2010-07-02	50	28.7398243	-88.43753052
DWH Response	NS030702DW0108	21007024337	0	2010-07-02	20.12000084	30.20981979	-87.30246735
DWH Response	NS030702IW0109	21007024338	0	2010-07-02	9.75	30.20981979	-87.30246735
DWH Response	NS030702SW0110	21007024339	0	2010-07-02	0	30.20981979	-87.30246735
DWH Response	OV078071	6025128	0	2010-07-02	49.90999985	28.75131989	-88.37995911
DWH Response	OV078081	6025129	0.029999999	2010-07-02	2.789999962	28.75131989	-88.37995911
DWH Response	SW-20100702-OV07-049	6025153	0	2010-07-02	2.680000067	28.73982048	-88.43753052
DWH Response	NS010702SW0222	21007024321	0	2010-07-02	0.300000012	30.19713974	-87.74503326
DWH Response	NS010702IW0223	21007024322	0	2010-07-02	6.099999905	30.19713974	-87.74503326
DWH Response	NS010702DW0224	21007024323	0	2010-07-02	12.18999958	30.19713974	-87.74503326
DWH Trustee NRDA	OV083-A0703-WB108-2	1007041-04	0.60374999	2010-07-03	3	28.75749207	-88.41638947
DWH Trustee NRDA	OV083-A0703-WB107-2	1007041-03	0.04764	2010-07-03	50	28.75749207	-88.41638947
DWH Trustee NRDA	OV084-A0703-WB108-2	1007041-12	0.110849999	2010-07-03	3	28.77779198	-88.40776062
DWH Trustee NRDA	OV084-A0703-WB107-2	1007041-11	0.042780001	2010-07-03	50	28.77779198	-88.40776062
DWH Response	SW-20100703-OV07-016	6025170	0.486999989	2010-07-03	3.650000095	28.75749016	-88.41638947
DWH Response	SW-20100703-OV07-023	6025177	0.022	2010-07-03	49.84000015	28.77779007	-88.40776062
DWH Response	SW-20100703-OV07-024	6025178	0.094999999	2010-07-03	4.760000229	28.77779007	-88.40776062
DWH Trustee NRDA	OV086-A0704-WB108-02	1007042-05	5.607170105	2010-07-04	3	28.78775215	-88.43824005
DWH Trustee NRDA	OV086-A0704-WB107-02	1007042-04	0.02476	2010-07-04	50	28.78775215	-88.43824005
DWH Response	SW-20100704-OV07-016-1	6025194	7.717999935	2010-07-04	5.599999905	28.78775024	-88.43824005
DWH Trustee NRDA	BM1120112-02	1007064-12	1.096429944	2010-07-05	2	28.74139023	-88.34628296
DWH Trustee NRDA	BM1130112-02	1007063-19	10.84838963	2010-07-05	3	28.74580002	-88.3477478
DWH Trustee NRDA	BM1130111-02	1007063-18	0.439649999	2010-07-05	50	28.74580002	-88.3477478

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Response	SW-20100705-BM011-09	6027712	1.26699996	2010-07-05	2	28.74139977	-88.34628296
DWH Response	SW-20100705-BM011-20	6027722	9.569000244	2010-07-05	2.589999914	28.74580002	-88.3477478
DWH Response	SW-20100705-BM011-19-1	6027721	0.296999991	2010-07-05	49.58000183	28.74580002	-88.3477478
DWH Trustee NRDA	BM1150111-02	1007065-11	0.209319994	2010-07-06	-9	28.72231674	-88.35756683
DWH Trustee NRDA	BM1160112-02	1007066-06	4.546700001	2010-07-06	2	28.73676682	-88.34615326
DWH Trustee NRDA	BM1160111-02	1007066-05	0.166669995	2010-07-06	50	28.73676682	-88.34615326
DWH Trustee NRDA	BM1170112-02	1007066-18	1.936750054	2010-07-06	2	28.74252701	-88.3520813
DWH Trustee NRDA	BM1170111-02	1007066-17	0.135370001	2010-07-06	50	28.74252701	-88.3520813
DWH Response	SW-20100706-BM011-29	6027757	2.309000015	2010-07-06	2.329999924	28.74251938	-88.3520813
DWH Response	SW-20100706-BM011-28	6027766	0	2010-07-06	50	28.71689987	-88.33696747
DWH Response	SW-20100706-BM011-29	6027767	2.177000046	2010-07-06	2	28.71689987	-88.33696747
DWH BP Public	S2-9-5W-07082010	K1007211-017	0	2010-07-08	0.100000001	30.01248932	-88.80812073
DWH Response	NS050708SW0102	21007095658	0	2010-07-08	0	30.19021034	-88.77464294
DWH Response	NS050708IW0103	21007095659	0	2010-07-08	5.789999962	30.19021034	-88.77464294
DWH Response	NS050708DW0104	21007095660	0	2010-07-08	10.97000027	30.19021034	-88.77464294
DWH Response	SW-20100708-OV08-007	6029689	0	2010-07-08	49.20000076	28.75177002	-88.36550903
DWH Response	SW-20100708-OV08-008	6029690	3.948999882	2010-07-08	3.799999952	28.75177002	-88.36550903
DWH Response	SW-20100708-OV08-009	6029691	5.828000069	2010-07-08	0.5	28.75177002	-88.36550903
DWH Response	SW-20100708-OV08-019-1	6029701	0	2010-07-08	49.86999893	28.74486923	-88.37309265
DWH Response	SW-20100708-OV08-020	6029702	0.43900001	2010-07-08	2.849999905	28.74486923	-88.37309265
DWH Response	SW-20100708-OV08-021	6029703	1.324000001	2010-07-08	0.5	28.74486923	-88.37309265
DWH Response	SW-20100708-OV08-030-1	6029712	2.479000092	2010-07-08	3.329999924	28.73827934	-88.38648987
DWH Response	100708B	-9	0.419999987	2010-07-08	1	28.79866982	-88.45413971
DWH Response	100708C	-9	0.100000001	2010-07-08	0	28.79965973	-88.4548111
DWH Response	100708D	-9	8.56000042	2010-07-08	1	28.81245041	-88.44911194
DWH Response	100708E	-9	1.049999952	2010-07-08	1	28.82830048	-88.43882751
DWH Response	100708M	-9	1	2010-07-08	0	28.89673042	-88.3959198

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Response	100708U	-9	0	2010-07-08	0	28.88973045	-88.12039948
DWH Response	100708V	-9	1.320000052	2010-07-08	0	28.99033928	-88.07904053
DWH Response	100708W	-9	0.159999996	2010-07-08	1	29.11466026	-88.02536011
DWH Response	100708L	-9	2.480000019	2010-07-08	1	28.89673042	-88.3959198
DWH Response	100708N	-9	1.220000029	2010-07-08	10	28.89673042	-88.3959198
DWH Response	100708K	-9	0.709999979	2010-07-08	20	28.89673042	-88.3959198
DWH Response	100708J	-9	0.379999995	2010-07-08	40	28.89673042	-88.3959198
DWH Response	100708T	-9	1.25	2010-07-08	1	28.88973045	-88.12039948
DWH Response	100708S	-9	0.330000013	2010-07-08	10	28.88973045	-88.12039948
DWH Response	100708R	-9	0.800000012	2010-07-08	20	28.88973045	-88.12039948
DWH Response	100708Q	-9	0	2010-07-08	40	28.88973045	-88.12039948
DWH BP Public	S2-4-1W-07092010	K1007198-008	0.0064	2010-07-09	0.100000001	29.01612091	-91.1522522
DWH BP Public	S2-4-4W-07092010	K1007198-005	6.104000092	2010-07-09	0.100000001	29.02090073	-90.90940094
DWH BP Public	S1-7-5W-07092010	K1007212-001	0.224600002	2010-07-09	0.100000001	29.03457069	-89.08387756
DWH Response	NS020709SW0134	21007101238	0	2010-07-09	0	30.29851913	-89.15688324
DWH Response	NS020709DW0135	21007101239	0	2010-07-09	3.349999905	30.29851913	-89.15688324
DWH Response	T005-SC036-100709-SW-1	T55980-7	0	2010-07-09	0	29.11739922	-91.0007019
DWH Response	SW-20100709-OV08-019	6029747	0.527999997	2010-07-09	14.65999985	28.6930809	-88.36805725
DWH Response	SW-20100709-OV08-039-2	6029794	0.787999988	2010-07-09	14.27000046	28.69555092	-88.41938019
DWH Response	SW-20100709-OV08-048	6029784	0.034000002	2010-07-09	48.5	28.68635941	-88.44069672
DWH Response	SW-20100709-OV08-050-1	6029786	0.179000005	2010-07-09	9.460000038	28.68635941	-88.44069672
DWH Response	SW-20100709-OV08-038	6029774	0.071000002	2010-07-09	50	28.69569969	-88.41928864
DWH Response	SW-20100709-OV08-039	6029775	0.158999994	2010-07-09	3	28.69569969	-88.41928864
DWH Response	SW-20100709-OV08-010	6029738	0.140000001	2010-07-09	50	28.72476959	-88.36636353
DWH Response	SW-20100709-OV08-011	6029739	0.388000011	2010-07-09	3	28.72476959	-88.36636353
DWH Response	SW-20100709-OV08-028	6029764	0.043000001	2010-07-09	50	28.77770042	-88.43270111
DWH Response	SW-20100709-OV08-029	6029765	0.231000006	2010-07-09	3	28.77770042	-88.43270111

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Response	SW-20100709-OV08-030	6029766	0.263000011	2010-07-09	3	28.77779007	-88.43270874
DWH BP Public	FD-JF-060-002-D1-Cr1-HC-7/09	ENX1243	1.659351945	2010-07-09	0	28.74819946	-88.34889984
DWH BP Public	FD-BB-240-002-D1-Cr1-HC	ENX1278	11.43785	2010-07-09	0	28.72830009	-88.38310242
DWH BP Public	FD-BB-240-002-D2-Cr1-HC	ENX1279	44.85765076	2010-07-09	2	28.72830009	-88.38310242
DWH BP Public	FD-BB-240-002-D7-Cr1-HC	ENX1284	0.00717	2010-07-09	40	28.72830009	-88.38310242
DWH BP Public	FD-BB-240-002-D8-Cr1-HC	ENX1285	0.01675	2010-07-09	25	28.72830009	-88.38310242
DWH Trustee NRDA	BM1180110-02	1007113-10	0.276219994	2010-07-11	2.119999886	28.73792076	-88.39727783
DWH Trustee NRDA	BM1190110-02	1007113-20	2.197560072	2010-07-11	1.779999971	28.71156883	-88.36502838
DWH Trustee NRDA	BM1190109-02	1007113-19	0.255870014	2010-07-11	49.93000031	28.71156883	-88.36502838
DWH Trustee NRDA	BM1200111-02	1007108-08	0.82407999	2010-07-11	2.029999971	28.71583366	-88.38279724
DWH Trustee NRDA	BM1200110-02	1007108-07	0.194230005	2010-07-11	49.86999893	28.71583366	-88.38279724
DWH Trustee NRDA	BM1210110-02	1007109-09	0.471280009	2010-07-11	1.74000001	28.71986389	-88.38755035
DWH Response	SW-20100711-BM12-19	6033275	0	2010-07-11	2.119999886	28.73788071	-88.39736938
DWH Response	SW-20100711-BM12-39	6033284	0	2010-07-11	49.93000031	28.71153069	-88.36511993
DWH Response	SW-20100711-BM12-41	6033285	1.042000055	2010-07-11	1.779999971	28.71153069	-88.36511993
DWH Response	SW-20100711-BM12-63	6033295	0	2010-07-11	49.88000107	28.71554947	-88.38288116
DWH Response	SW-20100711-BM12-65	6033296	0.216000006	2010-07-11	2.039999962	28.71554947	-88.38288116
DWH Response	SW-20100711-BM12-87	6033312	0	2010-07-11	1.74000001	28.71978951	-88.38760376
DWH Response	SW-20100711-OV08-009	6029843	0.217999995	2010-07-11	49.52000046	28.7570591	-88.39830017
DWH Response	SW-20100711-OV08-011	6029845	0.870999992	2010-07-11	3.480000019	28.7570591	-88.39830017
DWH Response	MC252-EA071-REF01-WC-01	P1075-P	0.135260001	2010-07-11	1	28.94518089	-88.9490509
DWH BP Public	FD-RB-060-009-D11-Cr1-HC	K1007535-001	0.827400029	2010-07-11	2	28.7826004	-88.28890228
DWH BP Public	FD-RB-060-009-D12-Cr1-HC	K1007535-002	0.647800028	2010-07-11	0	28.7826004	-88.28890228
DWH BP Public	FD-WB-240-009a-D1-Cr1-HC	K1007569-001	0.180800006	2010-07-11	2	28.69370079	-88.44300079
DWH BP Public	FD-BB-240-009-D1-Cr1-HC	K1007547-002	0.272300005	2010-07-11	0	28.72830009	-88.38310242
DWH BP Public	FD-BB-240-009-D2-Cr1-HC	K1007547-003	0.152199998	2010-07-11	2	28.72830009	-88.38310242
DWH BP Public	FD-JF-A-78-D6-Cr1-HC	ENX1420	0.192022994	2010-07-11	27	28.70565987	-88.3796463

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH BP Public	FD-JF-A-86-D1-Cr1-HC	ENX1421	0.566029012	2010-07-11	0	28.70919991	-88.3986969
DWH Trustee NRDA	BM1220109-02	1007098-09	0.716279984	2010-07-12	2.519999981	28.70813179	-88.38866425
DWH Trustee NRDA	BM1230112-02	1007101-12	0.965849996	2010-07-12	2.559999943	28.71283722	-88.37568665
DWH Trustee NRDA	BM1230111-02	1007101-11	0.31013	2010-07-12	50	28.71283722	-88.37568665
DWH Trustee NRDA	BM1240112-02	1007100-12	2.053770065	2010-07-12	1.629999995	28.7085247	-88.37728119
DWH Trustee NRDA	BM1250112-02	1007101-16	5.313650131	2010-07-12	2.329999924	28.70422554	-88.37872314
DWH Response	SW-20100712-BM12-21-1	6033330	0	2010-07-12	50	28.71279907	-88.37577057
DWH Response	SW-20100712-BM12-79	6033359	0	2010-07-12	11	28.63349915	-88.44239807
DWH BP Public	FD-MS-150-018-D4-Cr1- HC	K1007502-007	0.0669	2010-07-12	20	28.59339905	-88.28240204
DWH BP Public	FD-JF-180-009-D1-Cr1-HC	ENX1425	3.544100046	2010-07-12	0	28.65690041	-88.36589813
DWH BP Public	FD-JF-180-018-D1-Cr1-HC	ENX1431	3.906320095	2010-07-12	0	28.57570076	-88.36589813
DWH BP Public	FD-JF-180-018-D5-Cr1-HC	ENX1443	0.091557004	2010-07-12	26	28.57570076	-88.36589813
DWH BP Public	FD-JF-180-018-D6-Cr1-HC	ENX1444	8.506072044	2010-07-12	4	28.57570076	-88.36589813
DWH Trustee NRDA	SW-20100714-OV09-108	1007164-08	1.902909994	2010-07-14	3	28.73124695	-88.37941742
DWH Trustee NRDA	SW-20100714-OV09-107	1007164-07	0.157350004	2010-07-14	50	28.73124695	-88.37941742
DWH Trustee NRDA	SW-20100714-OV09-116	1007164-16	1.786229968	2010-07-14	3	28.71303558	-88.40339661
DWH Trustee NRDA	SW-20100714-OV09-115	1007164-15	0.01089	2010-07-14	50	28.71303558	-88.40339661
DWH Trustee NRDA	SW-20100714-OV09-124	1007160-08	1.392910004	2010-07-14	3	28.71291542	-88.38426971
DWH Trustee NRDA	SW-20100714-OV09-123	1007160-07	0.046440002	2010-07-14	50	28.71291542	-88.38426971
DWH Trustee NRDA	SW-20100714-OV09-132	1007160-16	1.16703999	2010-07-14	3	28.69633865	-88.38507843
DWH Trustee NRDA	SW-20100714-OV09-131	1007160-15	0.08546	2010-07-14	50	28.69633865	-88.38507843
DWH Response	SW-20100714-OV09-010	6035843	1.225000024	2010-07-14	3.920000076	28.73125076	-88.37940979
DWH Response	SW-20100714-OV09-028	6035860	0	2010-07-14	50	28.71291924	-88.38426971
DWH Response	SW-20100714-OV09-029	6035861	1.282999992	2010-07-14	3.309999943	28.71291924	-88.38426971
DWH Response	SW-20100714-OV09-040	6035872	1.128000021	2010-07-14	1.710000038	28.69634056	-88.38507843
DWH Response	SW-20100714-OV09-047	6035879	0	2010-07-14	49.68999863	28.76922989	-88.3543396
DWH Response	SW-20100714-OV09-048	6035880	0.312000006	2010-07-14	1.99000001	28.76922989	-88.3543396

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Response	SW-20100714-OV09-020	6035852	0	2010-07-14	50	28.7133503	-88.43392944
DWH Response	SW-20100714-OV09-021	6035853	1.934000015	2010-07-14	3	28.7133503	-88.43392944
DWH BP Public	FD-BB-030-009-D1-Cr1-HC	K1007548-006	0.390399992	2010-07-14	0	28.81049919	-88.32420349
DWH BP Public	FD-BB-030-009-D2-Cr1-HC	K1007548-007	0.205500007	2010-07-14	2	28.81049919	-88.32420349
DWH BP Public	FD-BB-030-009-D6-Cr1-HC	K1007548-011	0.0042	2010-07-14	40	28.81049919	-88.32420349
DWH BP Public	FD-JF-120-009-D1-Cr1-HC	ENX1437	24.7488308	2010-07-14	0	28.69370079	-88.28890228
DWH BP Public	FD-JF-120-009-D2-Cr1-HC	ENX1438	18.72460938	2010-07-14	2	28.69370079	-88.28890228
DWH BP Public	FD-JF-150-018-D5-Cr1-HC	ENX1458	0.008004	2010-07-14	2	28.59339905	-88.28240204
DWH BP Public	FD-JF-150-018-D8-Cr1-HC	ENX1436	0.000219	2010-07-14	26	28.59339905	-88.28240204
DWH BP Public	FD-WB-240-018b-D5-Cr1-HC	K1007606-001	0.882000029	2010-07-14	0	28.62989998	-88.50679779
DWH BP Public	FD-WB-240-018b-D8-Cr1-HC	K1007594-006	0	2010-07-14	28	28.62989998	-88.50679779
DWH BP Public	FD-WB-240-018c-D7-Cr1-HC	K1007520-016	0	2010-07-14	2	28.66970062	-88.50939941
DWH BP Public	FD-WB-240-018c-D8-Cr1-HC	K1007520-017	0	2010-07-14	0	28.66970062	-88.50939941
DWH BP Public	FD-WB-240-018c-D6-Cr1-HC	K1007520-007	0	2010-07-14	22	28.66970062	-88.50939941
DWH BP Public	FD-BB-300-009-D1-Cr1-HC	K1007548-013	0.243100002	2010-07-14	0	28.7826004	-88.44300079
DWH BP Public	FD-BB-300-009-D2-Cr1-HC	K1007548-014	0.311800003	2010-07-14	2	28.7826004	-88.44300079
DWH BP Public	FD-BB-300-009-D8-Cr1-HC	K1007548-020	0.051100001	2010-07-14	24	28.7826004	-88.44300079
DWH Trustee NRDA	SW-20100716-OV09-116	1007171-16	0.107840002	2010-07-16	3	28.63139534	-88.53125
DWH Trustee NRDA	SW-20100716-OV09-115	1007171-15	0.01256	2010-07-16	50	28.63139534	-88.53125
DWH Trustee NRDA	SW-20100716-OV09-132	1007166-16	1.848649979	2010-07-16	3	28.61772537	-88.43679047
DWH Trustee NRDA	SW-20100716-OV09-131	1007166-15	0.02084	2010-07-16	50	28.61772537	-88.43679047
DWH Trustee NRDA	SW-20100715-OV09-132	1007158-16	2.790489912	2010-07-16	3	28.6992321	-88.34028625
DWH Response	SW-20100716-OV09-036	6035961	0	2010-07-16	50	28.61772919	-88.43679047
DWH Response	SW-20100716-OV09-037	6035962	1.463000059	2010-07-16	3	28.61772919	-88.43679047
DWH Response	SW-20100716-OV09-017	6035942	0	2010-07-16	50	28.63139915	-88.53125
DWH Response	SW-20100716-OV09-019	6035944	0	2010-07-16	3	28.63139915	-88.53125
DWH Response	100716E	-9	0	2010-07-16	1	28.58498001	-88.35041809

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Response	100716F	-9	0.25999999	2010-07-16	0	28.58498001	-88.35041809
DWH BP Public	FD-RB-120-018A-D6-Cr1-HC	K1007563-006	1.100200057	2010-07-16	30	28.64920044	-88.2118988
DWH BP Public	FD-RB-120-018A-D7-Cr1-HC	K1007563-007	0	2010-07-16	2	28.64920044	-88.2118988
DWH BP Public	FD-RB-120-018A-D8-Cr1-HC	K1007563-008	0	2010-07-16	0	28.64920044	-88.2118988
DWH BP Public	FD-RB-120-018c-D6-Cr1-HC	K1007563-014	0.023	2010-07-16	30	28.64940071	-88.18630219
DWH BP Public	FD-RB-120-018c-D7-Cr1-HC	K1007563-015	0	2010-07-16	2	28.64940071	-88.18630219
DWH BP Public	FD-RB-120-018c-D8-Cr1-HC	K1007563-016	0.011	2010-07-16	0	28.64940071	-88.18630219
DWH BP Public	FD-JF-150-009-D8-Cr1-HC	K1007509-013	6.414000034	2010-07-16	0	28.66580009	-88.32420349
DWH BP Public	FD-JF-150-009-D9-Cr1-HC	K1007509-014	2.073800087	2010-07-16	2	28.66580009	-88.32420349
DWH BP Public	PD-MS-210-036-D1-CR1	K1007507-009	0.967299998	2010-07-16	0	28.44869995	-88.53299713
DWH BP Public	PD-MS-210-036-D2-CR1	K1007507-010	0.930899978	2010-07-16	2	28.44869995	-88.53299713
DWH BP Public	PD-MS-210-036-D3-CR1	K1007507-011	1.064200044	2010-07-16	20	28.44869995	-88.53299713
DWH BP Public	PD-MS-210-036-D4-CR1	K1007507-012	0	2010-07-16	50	28.44869995	-88.53299713
DWH BP Public	FD-WB-240-027-D6-Cr1-HC	K1007528-009	0.027000001	2010-07-16	2	28.60581017	-88.59793091
DWH BP Public	FD-WB-240-027-D8-Cr1-HC	K1007528-011	0.02	2010-07-16	32	28.60581017	-88.59793091
DWH Response	SW-20100717-BM13-30	6037068	0.243000001	2010-07-17	1.870000005	28.63644028	-88.46703339
DWH Response	SW-20100717-BM13-29	6037067	0	2010-07-17	50	28.63644028	-88.46697235
DWH Response	100716I	-9	4.519999981	2010-07-17	0	28.66358948	-88.3647995
DWH Response	100717B	-9	0	2010-07-17	0	28.68532944	-88.42375183
DWH Response	100716H1	-9	0.74000001	2010-07-17	1	28.66357994	-88.36480713
DWH Response	100717C	-9	0	2010-07-17	1	28.6853199	-88.42373657
DWH BP Public	FD-RB-240-042-D10-Cr1-HC	K1007566-010	1.000100017	2010-07-17	2	28.53210068	-88.72650146
DWH BP Public	FD-RB-240-042-D11-Cr1-HC	K1007566-011	1.605399966	2010-07-17	0	28.53210068	-88.72650146
DWH BP Public	FD-RB-240-042-D9-Cr1-HC	K1007566-009	0	2010-07-17	25	28.53210068	-88.72650146
DWH Response	SW-20100718-BM13-16	6037089	0	2010-07-18	3	28.68490028	-88.41137695
DWH Response	100718C	-9	0	2010-07-18	0	28.82501984	-88.26332855
DWH Response	100718H	-9	0	2010-07-18	0	28.73678017	-88.27189636

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Response	100718M	-9	0	2010-07-18	0	28.6783905	-88.29827118
DWH Response	100718K	-9	0.540000021	2010-07-18	10	28.67840958	-88.29833221
DWH Response	100718L	-9	0.239999995	2010-07-18	5	28.67840958	-88.29833221
DWH Response	100718N	-9	0.370000005	2010-07-18	1	28.67840958	-88.29833221
DWH Response	100718B	-9	0.239999995	2010-07-18	20	28.82498932	-88.26329803
DWH Response	100718F	-9	0.270000011	2010-07-18	10	28.73677063	-88.27189636
DWH Response	100718G	-9	0	2010-07-18	5	28.73677063	-88.27189636
DWH Response	100718I	-9	0.180000007	2010-07-18	1	28.73677063	-88.27189636
DWH BP Public	FD-WB-000-009-D7-Cr1-HC	K1007519-014	0.180399999	2010-07-18	0	28.8192997	-88.36589813
DWH BP Public	FD-WB-000-009-D6-Cr1-HC	K1007519-013	0.186399996	2010-07-18	2	28.8192997	-88.36589813
DWH BP Public	FD-WB-000-009-D5-CR1-HC	K1007519-012	0	2010-07-18	38	28.8192997	-88.36589813
DWH BP Public	FD-BB-030-027-D1-Cr1-HC	K1007609-001	0.092	2010-07-18	0	28.95590019	-88.2417984
DWH BP Public	FD-BB-030-027-D2-Cr1-HC	K1007609-002	0.0219	2010-07-18	2	28.95590019	-88.2417984
DWH BP Public	FD-BB-030-027-D7-Cr1-HC	K1007609-007	0.0056	2010-07-18	25	28.95590019	-88.2417984
DWH BP Public	FD-RB-240-054-D6-Cr1-HC	K1007566-017	0	2010-07-18	30	28.47139931	-88.82800293
DWH BP Public	FD-RB-240-054-D7-Cr1-HC	K1007566-018	0.550000012	2010-07-18	2	28.47139931	-88.82800293
DWH BP Public	FD-RB-240-054-D8-Cr1-HC	K1007566-019	0.605400026	2010-07-18	0	28.47139931	-88.82800293
DWH BP Public	FD-WB-330-009-D7-Cr1-HC	K1007519-007	0.025800001	2010-07-18	0	28.81049919	-88.40769958
DWH BP Public	FD-WB-330-009-D6-Cr1-HC	K1007519-006	0.173199996	2010-07-18	2	28.81049919	-88.40769958
DWH BP Public	FD-WB-330-009-D5-Cr1-HC	K1007519-005	0	2010-07-18	27	28.81049919	-88.40769958
DWH Response	SW-20100719-BM13-09	6037098	0	2010-07-19	2.180000067	28.72890091	-88.22485352
DWH Response	SW-20100719-BM13-31	6037118	0.050000001	2010-07-19	2.200000048	28.67295074	-88.20877838
DWH Response	SW-20100719-BM13-40	6037126	0.405000001	2010-07-19	3	28.63330078	-88.43682861
DWH Response	SW-20100719-FER2-14	700-49072-5	0	2010-07-19	0.5	28.88902092	-88.63388062
DWH Response	100719A	-9	0	2010-07-19	0	28.66420937	-88.47103882
DWH Response	100719B	-9	0.200000003	2010-07-19	4	28.75572968	-88.44493866
DWH Response	100719F	-9	0	2010-07-19	0	28.73671913	-88.27191162

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Response	100719G	-9	0	2010-07-19	0	28.80319023	-88.30931091
DWH Response	100719C	-9	0.360000014	2010-07-19	10	28.73671913	-88.27189636
DWH Response	100719E	-9	0.449999988	2010-07-19	1	28.73671913	-88.27189636
DWH BP NRDA	GU2888-A0719-OE701	DWH4735A	24.64002037	2010-07-19	-9	28.97096062	-88.77549744
DWH Response	SW-20100720-OV10-029	6041221	0	2010-07-20	49.86999893	28.55018997	-88.48349762
DWH Response	SW-20100720-OV10-031	6041223	0.081	2010-07-20	1.299999952	28.55018997	-88.48349762
DWH Response	SW-20100720-OV10-009	6041201	0	2010-07-20	50	28.64933014	-88.46761322
DWH Response	SW-20100720-OV10-011	6041203	0	2010-07-20	3	28.64933014	-88.46761322
DWH Response	SW-20100720-OV10-019	6041211	0	2010-07-20	50	28.65641022	-88.39685822
DWH Response	SW-20100720-OV10-020	6041212	0	2010-07-20	3	28.65641022	-88.39685822
DWH Trustee NRDA	LAAP39-A0730-WC709	1008004-04	0.072169997	2010-07-30	0.150000006	29.44113922	-89.87452698
DWH Trustee NRDA	LAAP39-A0730-WC705	1008004-02	0.071400002	2010-07-30	0.150000006	29.44934082	-89.89705658
DWH Trustee NRDA	LAAP39-A0730-WC503	1008002-02	0.165690005	2010-07-30	0.150000006	29.45800018	-89.95040131
DWH Trustee NRDA	LAAP39-A0730-WC509	1008002-08	0.091600001	2010-07-30	0.150000006	29.45999908	-89.92880249
DWH Trustee NRDA	BB005A-WA01	DWH1598	7.760320187	2010-06-01	0	28.7926693	-88.45755005
DWH Trustee NRDA	BB006B-WA02	DWH1604	0.889590025	2010-06-01	1	28.86490059	-88.47634888
DWH Trustee NRDA	BB006C-WA01	DWH1605	0.588959992	2010-06-01	3	28.86490059	-88.47634888
DWH Trustee NRDA	BB006D-WA01	DWH1606	0.06938	2010-06-01	10	28.86490059	-88.47634888
DWH Trustee NRDA	BB006B-WA01	DWH1603	0.904299974	2010-06-01	0	28.86490059	-88.47634888
DWH Trustee NRDA	BB006A-WA01	DWH1602	0.389319986	2010-06-01	0	28.86572075	-88.47231293
DWH Trustee NRDA	BB005B-WA01	DWH1599	0.954039991	2010-06-01	1	28.78745079	-88.45910645
DWH Trustee NRDA	BB003C-WA01	DWH1596	0.043269999	2010-06-01	3	28.78745079	-88.45910645
DWH Trustee NRDA	BB005D-WA01	DWH1601	0.049600001	2010-06-01	8	28.78745079	-88.45910645
DWH Trustee NRDA	GU2888-A0601-W6502	1006034-02	3.175410032	2010-06-01	2	28.72590828	-88.37203217
DWH Trustee NRDA	GU2888-A0601-W6508	1006034-08	0.086900003	2010-06-01	50	28.69651222	-88.38497925
DWH Trustee NRDA	GU2888-A0601-W6507	1006034-07	1.973279953	2010-06-01	2	28.69651222	-88.38497925
DWH Trustee NRDA	GU2888-A0601-W6513	1006035-02	0.922969997	2010-06-01	2	28.65452576	-88.40411377

Table B.1. Whole-water PAH samples collected from April through August 2010 in the upper 50 m of the water column that intersect the "footprint" of floating oil as determined by SAR (N = 581)

Source type	Client ID[a]	Laboratory ID[b]	Result 0 DL (µg/L)	Sample date	Sample upper depth (m)	Start latitude	Start longitude
DWH Trustee NRDA	GU2888-A0601-W6519	1006035-08	0.047460001	2010-06-01	2	28.66398048	-88.42105865
DWH Trustee NRDA	GU2888-A0601-W6524	1006035-13	1.45401001	2010-06-01	2	28.68339348	-88.44871521
DWH Trustee NRDA	GU-10-02-012-H-06A	1006037-34	0.299860001	2010-06-01	4.019999981	28.81716728	-88.43283081
DWH Response	2010153-77_LSU	2010153-77	0.502286971	2010-06-01	2	28.65452003	-88.40411377
DWH Response	2010153-91_LSU	2010153-91	0.918835998	2010-06-01	2	28.68338966	-88.44870758
DWH BP NRDA	BB005-B-WA01	ETX9944	0.991699994	2010-06-01	1	28.78745079	-88.45910645
DWH BP NRDA	BB005-C-WA01	ETX9945	0.2183	2010-06-01	3	28.78745079	-88.45910645
DWH BP NRDA	BB005-D-WA01	ETX9946	0	2010-06-01	8	28.78745079	-88.45910645
DWH BP NRDA	BB005-A-WA01	ETX9943	3.441800117	2010-06-01	0	28.7926693	-88.45755005
DWH BP NRDA	BB006-B-WA01	ETX9950	0.894999981	2010-06-01	1	28.86490059	-88.47634888
DWH BP NRDA	BB006-C-WA01	ETX9952	0.829200029	2010-06-01	3	28.86490059	-88.47634888
DWH BP NRDA	BB006-D-WA01	ETX9953	0.0231	2010-06-01	10	28.86490059	-88.47634888
DWH BP NRDA	BB006-A-WA01	ETX9949	0.54400003	2010-06-01	0	28.86572075	-88.47231293
DWH Trustee NRDA	GU-10-02-027-H-06A	1006043-11	1.66813004	2010-06-03	5.449999809	28.70066643	-88.33766937
DWH Trustee NRDA	GU-10-02-029-H-06A	1006045-09	0.759920001	2010-06-03	3.029999971	28.69350052	-88.43516541
DWH Response	OV017051-2	6000596	0.444000006	2010-06-03	2	28.70911026	-88.39161682
DWH Response	OV017041-2	6000595	0.041000001	2010-06-03	50	28.70911026	-88.39161682
DWH Response	OV018061-1	6000613	0.130999997	2010-06-03	2	28.67807961	-88.39161682
DWH Response	OV018051-1	6000612	0.033	2010-06-03	50	28.67807961	-88.39161682
DWH Response	OV019051-1	6000660	0.147	2010-06-03	2	28.67498016	-88.42893219
DWH Response	OV019041-1	6000659	0.030999999	2010-06-03	50	28.67498016	-88.42893219

a. Client IDs for combined filter (particulate) and dissolved samples were concatenated in this field.
b. Lab IDs for combined filter (particulate) and dissolved samples were concatenated in this field.