BASELINE MONITORING DATA REPORT
2006-2007

LOWER FOX RIVER, WISCONSIN

EPA Region 5 Records Ctr.
349170

Prepared for

Appleton Papers, Inc.

Georgia-Pacific Consumer Products LP

NCR Corporation

Prepared by

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For Submittal to

Wisconsin Department of Natural Resources

U.S. Environmental Protection Agency

July 2009

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TRANSMITTAL

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Re:	Lower Fox River Remedial Design	**Project:**	080295-03

Number	Description
2	Baseline Monitoring Data Report

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1 INTRODUCTION

This Baseline Monitoring Data Report presents the results of sampling and analysis to characterize baseline water and fish tissue quality conditions in the Lower Fox River and Green Bay (the Site) prior to implementation of full-scale sediment remediation in Operable Units (OUs) 2 to 5 of the Site. Data collected under this effort are intended to serve as a baseline to monitor future progress toward achieving agency-established remedial action objectives (RAOs) for the Site. Between August 2006 and June 2007, a coordinated baseline monitoring program was conducted throughout the entire Site, in accordance with the Baseline Monitoring Plan (BMP) developed for the project (Shaw and Anchor 2006).

1.1 Site Description

The Lower Fox River extends 39 miles from the outlet of Lake Winnebago over a series of locks and dams to the mouth of the river where it discharges into Green Bay (Figure 1-1). The Lower Fox River is the most industrialized river in Wisconsin; since the mid 1800s, water quality has been degraded by expanding industries and communities discharging sewage and industrial wastes into the river as well as by agricultural activity (USEPA and WDNR 2003). Polychlorinated biphenyls (PCBs) were discovered in the Lower Fox River in the 1970s. Due to their persistence in the environment, PCBs remain the focus of remedial design efforts.

The Lower Fox River is divided into five OUs, plus an upstream background location (Figure 1-1):

- Lake Winnebago is the upstream background location, situated above the influence of the historical industrial sources of contamination to the Lower Fox River.
- OU 1 is also known as Little Lake Butte des Morts. The Neenah and Menasha Dams control the pool elevation of Lake Winnebago and the discharge to the upstream end of OU 1 at river mile (RM) 39. OU 1 extends to the Upper Appleton Dam at RM 31.9.
- OU 2 extends from the Upper Appleton Dam at RM 31.9 to the Little Rapids Dam at RM 13.1. This unit contains the majority of locks and dams in the Lower Fox River system and the greatest elevation drop and gradient. Sediments have a patchy distribution in this reach with extensive intervening bedrock exposures. Because of its length and diversity, OU 2 is divided into three subunits (2A, 2B, and 2C). Monitored natural recovery (MNR) is the selected remedy for OU 2, except for a

small sediment deposit (Deposit DD) in the pool above the Little Rapids Dam, which is planned for active remediation.

- OU 3 extends from the Little Rapids Dam to the De Pere Dam at RM 7.1. Soft sediment covers most of this unit.
- OU 4 extends from the De Pere Dam to the river mouth at Green Bay. This unit contains a federal navigation channel. The federal channel is currently maintained by the U.S. Army Corps of Engineers (USACE) downstream of the Fort James turning basin, but the section above the turning basin is unmaintained. The land use around OU 4 is highly urbanized, including the metropolitan area of the City of Green Bay.
- OU 5 begins at the river mouth, and includes the entirety of Green Bay. Except for a relatively small PCB deposit on the river mouth delta, MNR is the selected remedy for OU 5. Because of its breadth and depth, OU 5 is divided into three subunits (5A, 5B, and 5C).

Full-scale sediment remediation in OUs 2 to 5 began in April 2009; however, remediation was initiated in some parts of the river prior to, or concurrent with, the baseline monitoring program. Sediment remediation in OU 1 began in 2004 and was completed in May 2009. In 2007, dredging of a 20-acre area in upper OU 4A was performed to address near-surface sediments with PCB concentrations as high as 3,000 ppm (the highest known PCB concentrations in the Lower Fox River; Anchor and Foth 2008). Full-scale dredging in OUs 2 to 5 is scheduled to occur from 2009 to 2015. Capping and sand cover placement will occur from 2009 to 2017, and will occur in an upstream to downstream sequence. Details of the planned remediation activities are provided in the 60 Percent Design Report Volumes 1 and 2 (Anchor et al. 2008).

1.2 Monitoring Objectives

The objectives for the baseline monitoring program were developed in the Long-Term Monitoring Work Group (Work Group), and the objectives for the Long-Term Monitoring Plan (LTMP) were refined by the Work Group. Baseline monitoring objectives were presented in the BMP (Shaw and Anchor 2006). A preliminary draft of the LTMP for surface water and biota was provided in Appendix I of the 60 Percent Design Report Volume 2 (Anchor et al. 2008).

Because the Work Group was still in the process of developing the specific objectives and evaluation criteria for the LTMP, the BMP was intentionally designed to be more inclusive, and to provide more extensive characterization of water and fish tissue conditions than might otherwise be necessary. The more broadly designed BMP provided greater flexibility to respond to contingencies in future LTMP sampling events, facilitating adjustments to changing river conditions as necessary. As a result, there will likely be opportunities to streamline data collection efforts in the LTMP compared to the BMP.

1.2.1 Long-Term Monitoring Objectives

The overarching objective of the long-term monitoring program is to evaluate progress toward achieving the RAOs of reduced risk to humans and the environment, as presented in the Records of Decision (RODs; USEPA and WDNR 2002, 2003) and ROD Amendment (USEPA and WDNR 2007). The RAOs of relevance to the baseline and long-term monitoring programs include the following:

- **Monitor Reductions in Water and Fish Tissue Concentrations.** Long-term monitoring is intended to verify that sediment remedial actions in the Lower Fox River result in substantive reductions in water column and fish tissue PCB concentrations. The RODs identified water and fish tissue as key media through which toxic exposures to PCBs and other contaminants may occur.
- **Monitor Progress toward Achieving Human Health Risk Reduction Goals.** Long-term monitoring is intended to verify progress toward achieving human health risk reduction goals through the analysis of recovery trends in water and fish tissue data. As described in the RODs, one of the goals of remedial action is removal of fish consumption advisories for recreational and high-intake fish consumers. The results of the long-term monitoring program will be submitted to the Wisconsin Department of Natural Resource (WDNR) Fish Consumption Advisory Program for their consideration in determining if and when modification or removal of advisories is warranted.
- **Monitor Progress toward Achieving Ecological Risk Reduction Goals.** Long-term monitoring is intended to verify progress toward achieving ecological risk reduction goals through the analysis of recovery trends in water and fish tissue data. As described in the RODs, a goal of the remedial action is achievement of safe ecological thresholds for fish-eating birds and mammals. The results of the

long-term monitoring program will be submitted to WDNR and U.S. Environmental Protection Agency (USEPA) risk assessors for their consideration in determining if and when ecological thresholds are achieved.

- **Monitor Reductions in PCB Loadings to Green Bay.** Long-term monitoring is intended to verify that sediment remedial actions in the Lower Fox River result in substantive reductions of PCB mass loadings to Green Bay. Decreased contaminant loadings from the Lower Fox River will help facilitate natural recovery processes in Green Bay.

The LTMP schedule will be synchronized with the USEPA 5-year review periods, such that the most recent monitoring data will be available for the 5-year reviews to better evaluate progress toward achieving the RAOs.

1.2.2 Baseline Monitoring Objectives

The more specific objectives of the baseline monitoring program include:

- **Establish Pre-Remediation Conditions.** Baseline data are intended to characterize pre-remediation conditions for water and fish tissue quality in the Lower Fox River and Green Bay. These data will provide a point of comparison for long-term conditions in the river and bay following completion of the remedial action. To the extent possible, consistent field and laboratory techniques will be used within the monitoring program, from one event to the next, to control statistical variability in the data (see Section 2).
- **Confirm Statistical Assumptions.** Historical water and fish tissue monitoring data were used to design the BMP (Shaw and Anchor 2006). In particular, the statistical characteristics of these historical data were used to estimate the required number of samples and monitoring frequencies needed for the baseline monitoring program, and the resultant statistical power these samples would provide for detecting concentration reductions and recovery trends. Specifically, the BMP was designed to detect a 50 percent reduction in PCB concentrations with 90 percent confidence and 80 percent power. In this report, the statistical characteristics of the baseline monitoring data are evaluated to confirm the adequacy of the sampling design and whether the expected level of statistical

power was achieved. The baseline data are also being used to help develop an efficient sampling design to carry forward in the LTMP.

- **Refine Field and Laboratory Procedures.** The field and laboratory procedures used in the baseline monitoring program were evaluated as data were collected, allowing adaptive management actions to be implemented to maximize the success of the remaining data collection efforts. These procedures are continuing to be discussed in the Work Group to determine if further improvements can be made to the field and laboratory specifications of the long-term monitoring program (see Section 5 – Program Assessment and Recommendations).

2 OVERVIEW OF BASELINE MONITORING PROGRAM

Fish tissue and water were the media of interest for the baseline monitoring program. Fish samples were collected at nine stations and water samples were collected at 10 stations in the Lower Fox River and Green Bay, as well as an upstream background location (Lake Winnebago). All baseline sampling activities were conducted between August 2006 and July 2007.

In general, one monitoring station for fish and water was allocated to each OU. However, multiple monitoring stations were allocated to OU 2 (three fish and three water stations) and OU 5 (two fish and three water stations) to provide more detailed coverage in these MNR areas. Furthermore, multiple stations were warranted in these OUs because they are characterized by more complex and variable hydrodynamic environments. The continuity of OU 2 is interrupted by numerous locks and dams, with alternating riffle and pool characteristics. In comparison to the Lower Fox River, OU 5 (Green Bay) is far greater in size (length, depth, width, and volume) and is affected by complex and asymmetrical circulation patterns, seasonal stratification, and turnover. Further discussion of the baseline sampling rationale is provided in the BMP (Sections 2.1.2 and 2.2.2; Shaw and Anchor 2006).

2.1 Fish Tissue Monitoring Program

A summary of the fish tissue monitoring program is provided below.

2.1.1 Sampling Locations, Methods, and Schedule

Fish monitoring stations included an upstream reference site (Lake Winnebago), six stations in the Lower Fox River, and two stations in Green Bay (nine stations total). One sampling station was assigned to each OU, except OU 2 (which had three sampling stations) and OU 5 (which had two sampling stations) because of the greater length and breadth of these reaches and more diverse habitat types. For each fishing activity, station coordinates and other location control information were recorded as per the BMP (Shaw and Anchor 2006). Actual sampling locations are shown on Figures 2-1 through 2-9. Fish sampling coordinates are listed in Appendix A.

Fish tissue samples were collected during the specified fishing window from August 15 through September 15, 2006. WDNR field staff provided additional fish samples

through the end of October to fill data gaps in species or size classes. Additional smallmouth bass samples were collected in June 2007.

The primary fish collection window (August 15 through September 15) used in the BMP is consistent with USEPA recommendations for assessing fish contaminant levels (USEPA 2000). USEPA recommends harvesting fish in late summer/early fall because this period does not interfere with spawning activities for most species, and fish lipid content is often at its peak after heavy summer feeding. This fishing window will be consistently maintained throughout the long-term monitoring to minimize seasonal effects on lipid content and PCB concentrations, and thereby optimize data comparability between monitoring events.

Various fish collection methods were employed, including electrofishing, fyke nets, seine nets, WDNR trawls, set lines, and guide-assisted hook and line. Each adult fish was individually logged on field data sheets, along with fish length, weight, and pertinent observations regarding fish morphology (deformities, lesions, etc.) and condition. Fish collection field forms are compiled in Appendix B.

2.1.2 Target Fish Species and Numbers

Five fish species were collected and analyzed during the baseline monitoring program. The species included two representative index species for human health (walleye and bass), two for wildlife exposures (carp and drum), and a young-of-year fish relatively unburdened by exposures in past years (gizzard shad). For the human health species (walleye and bass), the sampling goal was 15 individual specimens at each of the nine sampling stations. For the ecological species (carp and drum), the sampling goal was five composite samples comprising five fish each (i.e., 25 fish total) at each of the nine stations. For the young-of-year species, the sampling goal was five composite samples of 25 fish each (i.e., 125 fish total) at each of the nine stations. Field duplicate samples were also collected in several OUs for each species.

Including field duplicate samples, 136 walleye and 138 smallmouth bass were submitted for individual chemical analysis. In addition, 16 channel catfish samples from Lake Winnebago were analyzed before the decision was made to replace catfish with bass as

the secondary human health species. The fish were filleted at the analytical lab; walleye and bass were filleted with skin on, and catfish were filleted with skin off, mimicking traditional preparation methods among fishers.

For the ecological species, a total of 204 carp, 214 drum, and more than 900 gizzard shad were submitted to the analytical lab for compositing and analysis (see Section 2.1.3). All ecological species were analyzed as whole fish.

In addition, alternate fish species, if present in the by-catch of the harvest, were collected and archived until the selection of primary and secondary species was finalized in the Work Group. Alternate fish species that were collected, but eventually eliminated from further consideration in the baseline monitoring program, included the following:

- **Channel catfish**. Channel catfish were collected as a possible secondary species for human health, and were relatively common and available in most areas but were scarce in OU 1 and OU 5A, and none were caught in OU 5B (see Appendix B). Therefore, channel catfish were eventually replaced by smallmouth bass.
- **White sucker**. White sucker were considered as a possible secondary ecological species. White sucker were relatively common at only three of the nine fishing stations, including Lake Winnebago (27 fish), OU 1 (20 fish), and OU 5B (11 fish), but no white sucker were collected from any of the other OUs.
- **Emerald shiner**. Emerald shiner were considered as a possible secondary young-of-year species. However, emerald shiner were only caught in OU 2A (29 fish) and were not available in any of the other OUs.

Fish were collected and archived (frozen) until a particular OU was completed. Then the final specimens were selected for chemical analysis or for preparation of composite samples for chemical analysis (see Section 2.1.3). In many instances, more than the required number of fish were collected, in which case the fish samples that provided the best representation of available size classes and collection areas were selected for analysis. Appendix C provides a list of all primary and secondary fish samples that were archived or analyzed.

2.1.3 Fish Compositing

For ecological fish species (i.e., drum, carp, and young-of-year gizzard shad), composited samples were prepared for analysis because bioaccumulation is caused by the cumulative long-term impacts of average dietary contaminant exposures. Fish compositing was performed in a controlled environment at the analytical laboratory. Fish compositing generally followed the specifications of the BMP, sample size permitting, with the objective of controlling for fish size and home range to the extent possible. The Work Group reviewed and approved the fish compositing plans and the laboratory was directed to prepare the composite samples (held in archive storage) based on the final Work Group recommendations. The fish compositing plans are detailed in Appendix C.

For carp and drum, five composite samples were prepared for chemical analysis, with three to five fish in each composite. For gizzard shad, five composite samples were also prepared, but each composite typically consisted of 10 to 25 fish because of their small size.

Compositing was performed using narrow fish-length windows (typically 2-inch windows, with a few exceptions due to sample availability) to control for the effects of size and age on PCB concentration. To preserve site fidelity, grouping of fish into composite samples was kept within individual OUs (or subunits in the case of OUs 2 and 5) and did not cross OU or subunit boundaries.

2.1.4 Overview of Analytical Testing

The analytical parameters and methods are described in detail in the BMP (Shaw and Anchor 2006) and are summarized briefly below. To ensure consistency with past monitoring data, analytical methods followed those used by the Wisconsin State Lab of Hygiene (WSLH) to the extent possible. Fish tissue samples were processed and analyzed in accordance with the following procedures:

- Tissue Extraction (WSLH Method)
- PCB Aroclors (USEPA Method 8082)
- Lipid Content (Randall et al. 1991)

In addition, walleye samples from Lake Winnebago and station OU 2C were analyzed for mercury by USEPA Method 7471.

2.2 Water Quality Monitoring Program

A summary of the water quality monitoring program is provided below.

2.2.1 Sampling Locations and Methods

In general, water monitoring stations were sited near the downstream boundaries of the OUs such that the net PCB contribution from each OU, and the effectiveness of the remedy in each OU, could be evaluated. In addition, multiple water quality monitoring stations were sited in OUs 2 and 5 to provide increased coverage in MNR areas. Water quality monitoring stations included an upstream reference site (Lake Winnebago), six stations in the Lower Fox River, and three stations in Green Bay (10 stations total).

The monitoring locations were consistent, to the extent possible, with stations occupied during past and ongoing monitoring programs, including the following:

- 1994-1995 Lake Michigan Mass Balance Study (USEPA 2002, 2004)
- 1998 Fox River Group Sediment, Surface Water, and Biota Surveys (Exponent 1999; BBL 1999, 2002)
- 2000-2001 Fox River Group Surface Water Survey (LTI 2002)
- 2005-2006 10th Anniversary Follow-up to Lake Michigan Mass Balance Study (USGS, in prep.)

Water collection occurred as per the BMP. Area-weighted subsamples were collected on specified river transects to obtain representative composite samples of river discharges averaged over the cross-section of flow. On each transect, discrete subsamples were collected at six locations and depths according to U.S. Geological Survey (USGS) "quarter-point" sampling protocols. For each sampling activity, station coordinates and other location control information were recorded as per the BMP. Target sampling locations are shown in Figures 2-2 through 2-9. Tables and maps of the actual water quality sampling locations are provided in Appendix A. In most instances, actual sampling locations were within 50 to 100 feet of the target locations, depending on field conditions.

Water sampling was performed on a monthly basis for an entire year from August 2006 through July 2007 (12 monitoring events total). Sampling occurred primarily during the first 2 weeks of each month, except during some winter months when foul weather or access restrictions delayed the sampling. In the warm-weather months (April through November), samples were successfully collected from all stations 100 percent of the time. In the winter months (December through March), samples were successfully collected from all stations in at least 2 of the 4 months. See Section 4.2 for a more detailed assessment of field completeness. In addition, adverse field conditions sometimes precluded the field crew from obtaining all required subsamples along a particular transect. See Section 4.1.1 for a more detailed discussion of the decision logic that was used to assess incomplete sampling transects.

2.2.2 Water Quality Field Parameters

The following field parameters were measured at each of the "quarter-point" locations on each sampling transect:

- Temperature (deg-C)
- Turbidity (NTU)
- Dissolved Oxygen (mg/L)

Water quality field parameters and profiles are provided in Appendix D.

2.2.3 Water Compositing Scheme

For all OUs except OU 5, six discrete subsamples were collected on each sampling transect at the locations and depths as specified in Section 2.1.5.2 of the BMP. The six subsamples were then composited in the analytical laboratory to represent the cross-sectional area-weighted PCB concentration for each transect. In OU 5 (Green Bay), surface-water and deep-water layers were composited separately to better characterize lake stratification. In most cases, this resulted in two 3-point composite samples (i.e., one surface-water sample and one deep-water sample) rather than one 6-point composite sample as specified for the Lake Winnebago and Lower Fox River stations.

2.2.4 Overview of Analytical Testing

The analytical parameters and methods were described in detail in the BMP (Shaw and Anchor 2006). All water samples were analyzed for the following parameters:

- PCB Congeners (209 total; USEPA Method 1668A; high-res GC/MS)
- Total Suspended Solids (TSS; USEPA Method 160.2)
- Total Organic Carbon (TOC/DOC; USEPA Method 415.1)

3 FISH TISSUE DATA ANALYSIS

The primary and secondary fish species selected for chemical analysis in the baseline monitoring program include the following:

- Walleye (primary human health)
- Smallmouth bass (secondary human health)
- Carp (primary ecological species)
- Drum (secondary ecological species)
- Gizzard shad (young-of-year forage fish)

Field measurements (length and weight) and laboratory analytical results (lipid content and total PCB concentrations) are summarized in Tables 3-1a through 3-1f, and discussed below. If present, morphological abnormalities (e.g., fin erosion, tumors, parasites, etc.) were described and recorded on field forms, as presented in Appendix B. Fish tissue laboratory analytical reports (Pace Analytical) are provided in Appendix E.

3.1 Deviations from the Baseline Monitoring Plan

The field sampling and laboratory analysis followed previously approved procedures specified in the Lower Fox River BMP (Shaw and Anchor 2006), except for the deviations described below.

3.1.1 Field Deviations

Extended Fishing Schedule. A majority of the required fish species were collected during the primary sampling window, which extended from August 15 through September 15, 2006. However, the program was supplemented with additional fish collection efforts by WDNR biologists extending through the end of October to fill some key data gaps; during this extended season, additional gizzard shad were collected in Lake Winnebago, additional carp in OU 3, additional walleye in OU 3 and OU 4, and additional bass in OU 4 and subunit 5B. Supplemental fishing for smallmouth bass was also conducted in the following spring, as described below.

Smallmouth Bass Selected as Secondary Human Health Species. The BMP anticipated channel catfish would be the preferred secondary species to walleye for monitoring human health risk, and smallmouth bass was a possible third alternate species. At the

conclusion of the late summer and fall fish collection efforts, there were key data gaps in both catfish and bass coverage, so additional fishing was conducted in June 2007 to fill the data gaps for these two species. At the conclusion of the follow-up sampling efforts and in consultation with the Long-Term Monitoring Work Group, smallmouth bass was selected over catfish as the preferred secondary species for human health. Smallmouth bass were given preference because they are a much more popular sport fishery than catfish, and they are more broadly distributed throughout the Site, including Green Bay as well as the Lower Fox River.

Fish Target Ranges. The BMP did not specify a target size range for smallmouth bass. Based on the available fish sizes successfully harvested during the baseline monitoring program, it is recommended that the target size range for smallmouth bass be established at 10 to 20 inches. The target size range for carp was originally specified as 10 to 20 inches. However, no carp smaller than 12 inches were collected in the Lower Fox River, whereas numerous carp above 20 inches were collected. As a result, it is recommended that the size range for this species be adjusted upward to 12 to 22 inches for future monitoring events. Whereas the BMP originally specified a target size range of 2 to 3 inches for gizzard shad to ensure young-of-year fish would be collected, there were too few fish available in this size range to fulfill program objectives. As a result, a larger size class of 3- to 6-inch fish was added for gizzard shad to improve the harvest, after consulting with WDNR fish biologists who believed these larger fish were also young-of-year.

Gizzard Shad Composite Groups. As discussed in Section 3.2, too few gizzard shad were collected in some OUs to meet minimum completeness goals for the program. Whereas the BMP specified a minimum completeness goal of five composite samples of 10 fish each per OU, it was necessary to prepare gizzard shad composites with as few as three fish in each composite due to low recoveries in certain OUs. The analytical lab showed ability to provide good Aroclor quantitations with as few as three fish per composite; however, improved collection techniques for gizzard shad should be explored in future monitoring events.

Fishing Techniques. Electrofishing and WDNR fish trawls were the most effective overall fishing techniques. Fyke nets and set lines were ineffective and were dropped from the program after several unproductive deployments in different OUs. Seine nets were useful for collecting gizzard shad. Hook-and-line techniques worked well for bass, walleye, and drum during the late spring sampling event (June 2007) and may therefore be appropriate for use during the fall season as well.

3.1.2 Laboratory Deviations

Analysis of fish tissue samples proceeded as described in Section 2.4.2 of the BMP. No laboratory deviations from the specifications of the BMP were required for fish tissue analysis.

3.2 Field Completeness Assessment

Table 3-2 summarizes the field completeness assessment for each species and each sampling station (OU or subunit). Optimum and minimum completeness goals for individual and composite fish samples were specified in the BMP. Following is a summary of the completeness assessment:

- **Walleye.** Optimum completeness goals (15 individual fish per OU) were achieved at all stations. At a few stations (OU 1, OU 2B, and OU 2C), optimum completeness was achieved by including a few smaller fish in the 10- to 12-inch size range, as provided in the BMP.
- **Smallmouth Bass.** Including the supplemental fishing season (June 2007), optimum completeness goals (15 individual fish per OU) were achieved at eight out of nine stations. At station OU 5A, the minimum completeness goal (eight individual fish) was met.
- **Channel Catfish.** Optimum completeness goals (15 individual fish per OU) were achieved at six out of nine stations, minimum completeness goals (eight individual fish) were met at a seventh station, but even the minimum goals were not met at two stations (OU 1 and OU 5B). Because of their more widespread availability and higher recreational value, smallmouth bass were selected as the secondary human health species over channel catfish.

- **Carp.** Optimum completeness goals (five composites of five fish each) were met at six out of nine stations, and minimum completeness goals (at least five individual fish) were met in the remaining stations (LWB, OU 5A, and OU 5B).
- **Drum.** Optimum completeness goals (five composites of five fish each) were met at seven out of nine stations, and minimum completeness goals (at least five individual fish) were met in the remaining stations (OU 1 and OU 5B).
- **Gizzard Shad.** Gizzard shad were the most difficult fish to consistently and reliably collect in the target size range, even with inclusion of larger fish up to 6 inches. Optimum completeness goals (five composites of 25 fish each) were met at only two out of nine stations (OUs 2B and 5A). Minimum completeness goals (five composites of 10 fish each) were met at another five stations (LWB, OU 2C, OU 3, OU 4, and OU 5B), although in some cases composites were intentionally prepared with fewer than 10 fish to improve the spatial and temporal representativeness of the data. At two stations (OUs 1 and 2A), even minimum completeness goals were not met.

In summary, optimum completeness goals were met in a majority of cases (30 out of 36 cases), and minimum completeness goals were met in every case for the primary and secondary human health species (walleye and bass) and ecological species (carp and drum). The total catch for young-of-year gizzard shad was less complete—optimum completeness was achieved in only two out of nine cases, and minimum completeness was achieved in seven out of nine cases. Alternate fish collection methods should be explored in future monitoring events to improve the harvest of this young-of-year species.

3.3 Summary of Laboratory Data Validation

Independent, third-party laboratory data validation was performed by MAKuehl Company, Green Bay, Wisconsin. Validation was performed on 53 fish tissue samples out of the 408 fish tissue samples analyzed as part of the Lower Fox River baseline monitoring program, resulting in a 13 percent validation of fish tissue data. MAKuehl Company is independent of Pace Analytical and all end users of these data.

Fish tissue analytical results and their associated laboratory quality control (QC) samples were evaluated using USEPA guidance documents "National Functional Guidelines for

Organic Data Review," dated October 1999 (EPA-540/R-99/008), and the "National Functional Guidelines for Inorganic Data Review," dated July 2002 (EPA-540/R-01-008). The specific calibration and laboratory QC check requirements contained in the BMP were the primary criteria used in assessment of these data for compliance with the project data quality objectives. The review was based on the data packages supplied by the analytical laboratory, Pace Analytical, located in Green Bay, Wisconsin.

Fish tissue samples were extracted and analyzed using the reference methods listed in Section 3.1.1.2 of the BMP. No significant deviations from these reference methods or laboratory standard operating procedures (SOPs) were apparent from validation. No action was needed to qualify the validated fish tissue sample data. The validation report for the fish tissue data is provided in Appendix F.

3.4 Statistical Analysis of Fish Tissue Data

3.4.1 Descriptive Statistics

Fish tissue summary statistics of total PCB Aroclor concentrations, lipid content, and fish length, sorted by species and station, are presented in Table 3-3. This table includes nonparametric statistics (minimum, maximum, median, other percentiles, and percent nondetects) and parametric statistics (arithmetic mean, standard deviation, and coefficient of variation).

Figures 3-1 and 3-2 present box-and-whisker plots of fish tissue PCB concentrations sorted by species and by OU, respectively. Figures 3-1a and 3-2a through 3-2c are presented with standardized (i.e., uniform) linear concentration scales; Figures 3-1b and 3-2d through 3-2f are presented with optimized linear concentration scales; and Figures 3-1c and 3-2g through 3-2i are presented with logarithmic concentration scales. The box-and-whisker plots, prepared using the Excel-based subroutine of Berk and Carey (2000), provide a graphical summary of the statistical distributions of total PCB concentrations:

- **Boxes.** The boxes represent the data between the 25th and 75th percentile values (encompassing the second and third quartiles, or the central half of the data), also known as the interquartile range (IQR).
- **Whiskers.** The "whiskers" or tails represent the lower and upper range of the remaining data, minus outliers.

- **Outliers.** Moderate outliers (solid dots) and extreme outliers (open dots) are data values that are 1.5 times or 3 times the IQR, respectively, either above the third quartile or below the first quartile of the data distribution.
- **Mean and Median Values.** The median value (i.e., the 50th percentile) is plotted as the solid black line within the box, and the arithmetic mean value is the dotted red line, which may be within or outside the box.

For some but not all species, the highest mean and median PCB concentrations are found in OU 4, consistent with the location of the highest sediment PCB concentrations and PCB mass in the Lower Fox River (Table 3-3; Figure 3-1). However, this pattern is likely influenced by fish migration patterns, given the free access between OU 4 and Green Bay.

Drum and carp are generally the species with the highest PCB concentrations. This is due, in part, to the fish tissue preparation method, in addition to inter-species differences. These two ecological species were prepared as whole fish, whereas walleye and bass were prepared as skin-on fillets with organs removed. In many cases, gizzard shad exhibit some of the lowest PCB concentrations, because these are small, young-of-year fish that have accumulated PCBs for only a single year, and have not been impacted by prior years of exposure.

3.4.2 Normal/Lognormal Distribution Testing

Fish tissue data were tested for conformance with standard normal and lognormal distributions using probability plot methods (Ecology 1993). A regression analysis was performed on the probability plots to test the goodness-of-fit to normal/lognormal statistical distributions. If the coefficient of determination of the regression (r^2 value) was greater than 0.9, the data conformed to the normal/lognormal distribution; if the r^2 value was between 0.8 and 0.9, the data "nearly" conformed to the normal/lognormal distribution; and if the r^2 value was below 0.8, the data did not conform to the standard distribution and was therefore determined to be nonparametric.

Statistical distribution test results are summarized in Table 3-4. These results show that fish tissue concentrations are well described by standard normal distributions in a

majority of cases. The data are also well described by lognormal distributions; however, lognormal distributions do not represent a significant improvement over normal distributions. The added complexity of working with the logarithms of the PCB concentrations may not be warranted.

3.4.3 PCB Correlations and Controlling Variables

3.4.3.1 Linear Regression

The two controlling variables that are expected to have the greatest influence on PCB concentrations in fish tissue are fish length (a surrogate for age) and lipid content (see Table 3-1). PCB correlations with length and lipids in walleye are depicted in Figures 3-3a through 3-3c. PCB correlations with length and lipids in drum are depicted in Figures 3-4a through 3-4c. These two species were selected as representative human health and ecological species for which complete and well-distributed (in terms of fish size classes) data sets were available.

Simple (one-variable) linear regression results showed correlations with length and lipid content were sometimes significant, but also erratic and inconsistent, with the degree of correlation changing from one station to the next. In some cases, apparent negative correlations were observed that are contrary to the theoretical basis for these correlations. Apparent negative correlations may be caused by limited data or limited size ranges for some species and OUs, and may also indicate a lack of control for an omitted second determinant, which is accomplished in the multiple regressions described in Section 3.4.3.2 below.

In walleye, the coefficients of determination (R^2 values) for fish length were all less than 0.5, and for lipid content, the coefficients of determination ranged from 0.19 (negative slope) to 0.82 (Figure 3-3). The strongest correlations were observed with lipid content in Lake Winnebago and Green Bay.

In drum, some degree of control was observed for one or both parameters in most data sets (Figure 3-4). In the Lower Fox River, with the exception of OU 2A, moderately good correlations were observed for both parameters (R^2 values ranged from 0.51 to 0.96 for fish length, and from 0.65 to 0.98 for lipid content). Moderately

good correlations were also observed in Green Bay, but no significant correlations could be discerned in Lake Winnebago or OU 2A. It should be noted that the regression results for drum afford a lower level of statistical confidence because of the smaller data set (five composite analytical results for drum compared to 15 individual results for walleye).

3.4.3.2 Two-Variable Regression

Two-variable regression of PCB concentration versus fish length and lipid content was conducted using SYSTAT software (version 11). An advantage of the two-variable regression, compared to linear regression, is that it better accounts for possible co-variance between fish length and lipid content. Results are presented in Table 3-5.

In human health species (walleye and bass), good to excellent correlations between PCBs and lipid content were observed in many cases. For walleye, correlations with lipid content at the 95 percent confidence level were observed in four out of nine cases, and for smallmouth bass, in seven out of nine cases. Correlations with fish length were weaker and secondary in nearly every case.

Significance levels were weaker for ecological species because they were based on fewer data points (five composite analyses at each station, versus 15 analyses for human health species). There were occasionally significant regressions against one or the other parameters, but results were inconsistent among monitoring stations. Nevertheless, there is indication that it may be important to control for these parameters, especially as more data are collected, to better be able to interpret PCB concentration trends over time. The pooling of just one round of long-term monitoring data with baseline data will double the sample size at the cost of only one degree of freedom (i.e., controlling for the effect of remediation).

3.4.3.3 Gizzard Shad PCB Concentration versus Length

At several sampling stations (OU 2B, OU 2C, OU 3, and OU 4), gizzard shad composite samples were available from both the 2- to 3-inch and the expanded 3- to 6-inch size classes. Scatterplots of gizzard shad length versus PCB concentrations,

lipid concentrations, and lipid-normalized PCB concentrations are shown on Figure 3-5. The data are plotted at the mid-point of their respective size classes (i.e., at 2.5 inches and 4.5 inches). Within each size class, the slight offset of the data from the different OUs is provided only to aid visual comparisons.

Inspection of the scatterplots suggests somewhat higher PCB concentrations may be present in the larger gizzard shad (Figure 3-5, top frame). However, larger gizzard shad also have generally higher lipid content (middle frame). As a result, no apparent differences are observed in lipid-normalized concentrations between the two size classes (bottom frame). As long as lipid content is included as a controlling variable, there appears to be no difference between the two size classes of gizzard shad. This analysis supports the continued use of gizzard shad specimens up to 6 inches in length in future monitoring events.

3.4.3.4 Smallmouth Bass PCB Concentration versus Season

At a few of the stations (OU 4, OU 5A, and OU 5B), bass specimens were collected during the target fishing window in late summer (August 15 through September 15, 2006), and supplemental fishing was again conducted late in the following spring (June 2007) to fill some remaining data gaps. Figure 3-6 presents scatterplots of fish tissue PCB concentrations versus lipid content and fish length for both the late summer and late spring data to determine whether any seasonal variations in PCBs, lipid content, or fish length could be discerned. A complicating factor is that different fishing methods were used in late summer 2006 (electrofishing primarily) compared to late spring 2007 (hook and line), so it is possible that sampling artifacts may be observed between the two data sets.

Inspection of the scatterplots indicates no apparent seasonal differences between PCB concentrations, fish length, or lipid content in OU 4. In OU 5A, the data suggest fattier and more contaminated bass were collected in the late summer event, consistent with active feeding during the productive summer months. In OU 5B, more contaminated fish were collected during the late spring event, primarily because bigger fish were collected in the spring. It is difficult to discern any generalized seasonal trends from this data set.

4 WATER QUALITY DATA ANALYSIS

A summary of water quality and field parameters (flow and temperature) and laboratory analytical data (total PCBs, TSS, and TOC) is provided in Table 4-1. Water quality sampling coordinates are provided in Appendix A, field parameters in Appendix D, laboratory analytical reports in Appendix G, and data validation reports in Appendix H.

4.1 Deviations from the Baseline Monitoring Plan

The field sampling and laboratory analysis of Lower Fox River surface water samples followed previously approved procedures specified in the Lower Fox River BMP (Shaw and Anchor 2006), except for the deviations noted below.

4.1.1 Field Deviations

Field Rinseate Blanks. Rinseate blanks were not an explicit requirement of the BMP. However, because high-resolution PCB congener analysis is sensitive to cross-contamination, the project team decided to analyze rinseate blanks for each of the two sample collection methods. One set of rinseate blanks was collected from the teflon tubing/peristaltic pump used for river sampling, and a second set was collected from the Niskin bottles used for bay sampling. The Teflon pump tubing was an expendable item dedicated for one-time use at each sampling station, and the Niskin bottles were dedicated to particular Green Bay stations for the duration of the monitoring program.

A total of 18 rinseate blanks were collected (10 from peristaltic tubing and eight from Niskin bottles). Rinseate blank analytical results (uncorrected) are summarized on Figure 4-1.

The rinseate blanks were prepared using a length of tubing or a Niskin bottle directly upon receipt from the lab after they had been deconned and before they had any contact with site water. "Clean" water was supplied by TestAmerica for this purpose.

Repositioning of Station OU1-W. Station OU1-W was situated in relatively shallow water at 4 to 5 foot depth near the edge of a drop-off into deeper water. During the August 2006 sampling event, OU1-W was sampled at the specified location and depths. At the request of the Agencies/Oversight Team (A/OT), the station was moved about 60

feet eastward along the transect, off the bench into deeper water (approximately 10 feet water depth) to be more representative of the cross-sectional flow of the river. The modified location in deeper water was in effect for all monitoring events except the initial August event (see Appendix A).

Time to Complete a Transect. Occasionally, foul weather would force the field crew to abandon a sampling transect, which raised the question of whether the transect could be completed the following day. In consultation with the A/OT, the following guidelines were established:

- Each transect must be completed in a single sampling day (a daylight work day) and cannot be extended into the next work day.
- If two of the three stations on the transect are completed before the field crew is forced off the water, the station will be considered "complete" for that monitoring event. The composite sample for that event will only comprise four subsamples instead of six.
- If only one of the three stations on the transect is completed before the field crew is forced off the water, and the crew cannot return to the water for the rest of the day, the transect will be abandoned until weather conditions improve, and the few samples that may have been collected will be discarded. When the field crew is able to remobilize on a subsequent day, the entire transect must be completed.

Sampling Order. The Quality Assurance Project Plan (QAPP) stated that the surface water stations should be sampled in sequence from upstream to downstream. While the QAPP-specified sampling order was adhered to in a majority of warm-weather months, numerous severe-weather obstacles and access issues, especially on Green Bay, interrupted the sampling order in the winter months.

Green Bay Stratification. The BMP specified stratification of water samples in Green Bay based on the depth of the thermocline at the time of sampling. Samples from the surface-water layer would be collected from the mid-depth between the water surface and the thermocline, and samples from the deep-water layer would be taken from the mid-depth between the thermocline and the seabed. However, the thermocline was not

uniformly present during transitional periods in Green Bay. Procedures for collecting stratified samples in Green Bay when water layers are thin, nonexistent, or variably present were discussed with the A/OT, and included the following:

- If possible, the shallowest location on the transect should be sampled first because this location is the least likely to exhibit stratification.
- A deep water layer should be at least 10 feet thick and comprise at least 25 percent of the water depth (whichever is greater) to justify collection of a subsample. A surface water layer should be at least 5 feet thick.
- A water layer should represent at least 25 percent of the cross-sectional area of a transect to justify allocation of a composite sample. A composite sample must include at least two and no more than four subsamples. Subsamples from different water layers should not be composited together.
- Where stratification is difficult to discern, it is generally recommended that the surface sample should be collected from the top 5 feet of the water column, and the deep sample should be collected from the mid-depth of the water column.
- The final compositing schemes were often finalized after the field work, in consultation with office personnel, when all hydrographic profiles from all three transects in Green Bay could be reviewed concurrently.

4.1.2 Laboratory Deviations

Laboratory Compositing. During the beginning of the baseline monitoring program, the analytical labs requested clarification on water compositing procedures. The labs were instructed to combine the entire contents of all six subsamples from each transect in the Lower Fox River (or three shallow subsamples and three deep subsamples in Green Bay) into a large bottle and extract the required sample aliquot from the mid-point of the bottle shortly after mixing and before any significant settling of suspended solids has occurred. Large 2-gallon glass bottles were obtained for compositing PCB congeners. These large compositing bottles were subjected to the same "clean bottle" procedures and documentation required of all vessels used for high-resolution PCB congener analysis.

TSS and TOC Analysis. Analysis of water samples for TSS and TOC was performed by Pace Analytical. Analysis of these parameters proceeded as described in Section 2.4.1 of the BMP. No laboratory deviations were noted for TOC and TSS analysis.

4.1.2.1 PCB Concentrations in Laboratory Method Blanks

Analysis of PCB congeners was performed by TestAmerica. Slightly elevated and variable laboratory background concentrations of PCB congeners were present in the method blanks analyzed between August 2006 and November 2006. Total PCB results ranging from 0.11 ng/L to 0.36 ng/L were reported in the laboratory method blanks during this early part of the monitoring program, as shown on Figure 4-1. While none of the method blanks associated with Lower Fox River samples failed the method blank criteria described in Section 9.5 of USEPA Method 1668A, elevated and variable concentrations of laboratory method blanks could potentially lead to uncertainty in the blank-corrected total PCB results.

In early January 2007, Test America was able to isolate a contributory source of background PCB concentrations. The laboratory determined that elevated levels of blank contamination were caused by an automated vortex concentrator, and blank contamination could be reduced by performing macro-concentration in round bottom flasks, with Snyder Columns. As a result, the vortex concentrator was taken off-line on January 9, 2007, and the sample concentration step has since been performed in round bottom flasks.

It appears that certain congeners were being introduced in the automated vortex concentration step, mainly lighter end congeners such as PCB-4, -8, and -44/47/65. Some of the most significant blank contamination occurred with coeluting congeners PCB-44/47/65; however, these congeners are not prominent in the Lower Fox River and therefore are not expected to significantly affect blank-corrected PCB concentrations.

All of the Lower Fox River monitoring events from December 2006 (which were processed after January 9) through the end of the baseline monitoring program were processed after the automated vortex concentrator was removed. The resulting

reduction in method blank contamination is evident in the time series shown on Figure 4-1. Because TestAmerica had historical demonstrations of capability and MDLs using the glassware approach, they reverted to their historical procedure and did not need to repeat their demonstrations of capability.

The primary source of background method blank contamination is thought to be caused by dry deposition of PCBs in the global atmosphere, which also contaminates laboratory air. Some congeners may also be present at barely detectable levels in reagents.

Test America has numerous procedures in place to minimize contamination of method blanks, including use of high efficiency particulate scrubbers on air intakes, multiple solvent rinsing and pre-extraction of glassware, scrubbers on nitrogen lines supplying microconcentration, and isolating the extract from laboratory air as much as possible during handling.

4.1.2.2 Order of Analysis

In January 2007, the analytical lab was instructed to analyze baseline water samples in a specific order, from lowest to highest PCB concentration: LWB > OU 5C > OU 5B > OU 5A > OU 1 > OU 2A > OU 2B > OU 2C > OU 3 > OU 4. The December 2006 samples were the first samples processed according to this request. However, the analysis order was not specified for any of the previous months, and was not implemented consistently in subsequent months. The order of analysis for all monthly events in the BMP are listed in Table 4-2.

Because there were a number of deviations from the recommended order of analysis, further evaluation was performed to determine whether there was any "carry over" (i.e., laboratory cross-contamination) of PCBs, especially in situations where a low-concentration sample was analyzed immediately following a high-concentration sample. The Green Bay stations were most susceptible to cross-contamination given that these samples were prone to out-of-order analysis, sometimes following samples with much higher concentrations from the Lower Fox River.

Graphs of uncorrected PCB concentrations versus analytical results of the preceding sample in the analysis order are shown on Figure 4-2 for OU 5A and OU 5C. These graphs do not show any discernible evidence of laboratory cross-contamination based on little or no correlation between sample analytical results and prior analytical results. Nevertheless, it is recommended that the specified analysis order be maintained and better implemented in future LTMP monitoring events.

4.2 Assessment of Field Activities

4.2.1 Field Completeness

Table 4-3 summarizes the field completeness results for warm-weather and cold-weather seasons. The completeness goal was the successful completion of sampling transects in each OU or subunit in seven out of eight warm-weather months (April through November), and two out of four cold-weather months (December through March). Both the warm-weather and cold-weather completeness goals were met in all OUs and subunits. Completeness was 100 percent in all OUs and subunits during the warm-weather months.

4.2.2 PCB Congeners in Field Blanks

Ten field rinseate blanks were collected from dedicated peristaltic pump tubing in the Lower Fox River, and eight field rinseate blanks were collected from dedicated Niskin bottle samplers in Green Bay, as shown on Figure 4-1. The average total PCB concentration in the field blanks was 0.37 ng/L compared to an overall average total PCB concentration of 0.16 ng/L in laboratory method blanks, and 0.11 ng/L in laboratory method blanks after the removal of the automated vortex concentrator (see Section 4.1.2). Thus, the field blanks were about two to three times higher than the laboratory blanks. There was no significant difference between the average total PCB concentrations derived from peristaltic pump tubing (0.36 ng/L) versus Niskin samplers (0.38 ng/L).

Effect on Data Quality. In comparison to field blanks, which averaged 0.37 ng/L, uncorrected total PCB concentrations in Lake Winnebago were usually less than 0.5 ng/L and were therefore difficult to distinguish from ambient background contamination. Uncorrected total PCB concentrations in OU 5B and OU 5C were frequently between 0.5

and 1.0 ng/L, and may therefore have included substantial contributions from ambient background contamination. PCB quantitations in these areas contained higher levels of uncertainty. The other OUs or subunits were commonly above 2 ng/L, except for some winter months, and were less affected by ambient field contamination.

Possible Sources of Field Blank Contamination. The field blank contamination is thought to be derived from Great Lakes atmospheric deposition combined with volatilization (off-gassing) of PCBs from the Lower Fox River and Green Bay. This is suggested by two lines of evidence: 1) the field blank contamination was independent of sampling method (i.e., there is no measurable difference in field blank concentrations between peristaltic pump tubing and Niskin bottles); and 2) the field blanks exhibited a seasonal pattern in which the lowest blank concentrations occurred during the winter months of December through March, similar to the seasonal pattern observed in the Lower Fox River water column. The field blank congener profiles were generally enriched in heavier congeners, similar to the background reference areas (i.e., Lake Winnebago and OU 5C), suggesting the field blank contamination was derived from diffuse ambient sources rather than cross-contamination during field sampling (see also Section 4.5.1.2). Laboratory contamination also contributed to the field blank contamination, as evidenced by the dominance of lab-associated congeners PCB-44/47/65, especially in the early monitoring events when these congeners were also prevalent in laboratory method blanks (see Section 4.1.2).

The sampling crew was not aware of any additional field procedures that could have been implemented to reduce field blank contamination. The Niskin bottles were decontaminated with hexane at the analytical laboratory, then sealed and shipped back to the field before each sampling event.

4.3 Summary of Laboratory Data Validation

Independent, third-party data validation was performed by MAKuehl Company, Green Bay, Wisconsin on 28 water column samples out of the 158 water column samples analyzed as part of the baseline monitoring program, resulting in a 17.7 percent validation of water column data. MAKuehl Company is independent of Pace Analytical and TestAmerica and

all end users of these data. Appendix H contains the data validation reports for water quality data.

Water column analytical results and their associated laboratory QC samples were evaluated using the EPA guidance documents "National Functional Guidelines for Organic Data Review," dated October 1999 (USEPA-540/R-99/008) and the "National Functional Guidelines for Inorganic Data Review," dated July 2002 (USEPA-540/R-01-008). The specific calibration and laboratory QC check requirements contained in the BMP dated June 23, 2006, were the primary criteria used in assessment of these data for compliance with the project data quality objectives. The review was based on the data packages supplied by the analytical laboratories, Pace Analytical and TestAmerica. Calibration data, internal standards, and QC data were evaluated during the data validation process.

The data were qualified as follows:

- Detected PCB congener concentrations below the estimated method reporting limit were qualified by the validator "J" and should be considered estimated.
- Test America applied a "Q" qualifier to congeners that did not meet all the qualitative criteria in the method. Accordingly, all laboratory "Q" qualified congeners should be considered as the maximum possible concentration. These congeners received a validation qualifier of "J".
- Detected congeners present in concentrations less than 5 times the associated method blank concentration were qualified as "U" and should be considered as potential nondetects ("5X rule"). Subsequent to the data validation, however, the Long-Term Monitoring Work Group has had extensive discussion regarding appropriate methods for blank correction of PCB congeners, and several blank-correction methods have been evaluated (see Section 4.4, below). As a result of these discussions, the 5X rule for blank correction applied by the data validator is no longer recommended and is not used for calculating blank-corrected total PCB concentrations.

4.4 Blank Correction Procedures

The lowest PCB congener concentrations in water samples from the baseline monitoring program were found in the upstream reference area (Lake Winnebago) and in the deeper

portions of Green Bay (OUs 5B and 5C). The contaminant levels in these peripheral background areas are likely affected by wet and dry deposition of PCBs from the global atmosphere. At times, the concentrations in these areas approached levels similar to those found in field rinseate blanks, suggesting a more ubiquitous ambient source. Following the sediment remedial action, concentrations are expected to decline further. As a result, blank correction of the PCB congener data must be carefully performed, especially in OUs with background or near-background concentrations.

During the baseline monitoring program, blank correction was evaluated using three different correction procedures:

- **Standard method following National Functional Guidelines (5X rule).** Congener concentrations less than five times the method blank concentrations are corrected to nondetect values. This is the standard method used by the data validator, as reported in Appendix H.
- **Blank subtraction method of Ferrario et al. 1997.** A blank subtraction is performed based on the mean plus two standard deviations of the method blank data set during the period of analysis. This procedure is referenced in Section 17.6.1.4.4 of USEPA Method 1668A.
- **Nonparametric modification of Ferrario et al. 1997.** Blank correction is based on the 95th percentile of the method blank data. This modification was recommended by the Work Group to better address nondetects in the data (i.e., censored data sets).

The Ferrario et al. method is described in Section 17.6.1.4.4 of USEPA Method 1668A:

> *Blank corrected results may be reported in addition to reporting of separate results for samples and blanks. The recommended procedure for blank correction is that a result is significantly above the blank level, and the level in the blank may be subtracted, if the result is greater than the mean plus 2 standard deviations of results of analyses of 10 or more blanks for a sample medium.*

The results of the three different blank-correction procedures on the total PCB concentrations are summarized in Table 4-4. In discussions within the Work Group, the Ferrario et al. 1997 method was determined to be superior to the standard method because the standard method resulted in heavy censoring of individual congeners, and fragmented and unrealistic congener fingerprints after blank correction.

4.4.1 Stratification of Laboratory Method Blanks

Results for all laboratory method blanks analyzed by Test America (formerly STL) over the course of the BMP were obtained to develop blank-correction factors for the Ferrario method and its nonparametric equivalent, as shown in Figure 4-1. It was necessary to stratify the method blank data set into three separate periods based on significant equipment/procedural changes at the laboratory, as listed below:

- August 2006 to January 9, 2007: from the beginning of the project until the automated vortex concentrator was removed from the SOP
- January 9, 2007 to March 13, 2007: from the removal of the automated concentrator to a GC column change that occurred on March 13, 2007
- March 13, 2007 to November 2007: from the GC column change to end of project

For the middle period of January 9, 2007 to March 13, 2007, only six method blank results were available. Because of the small data set, this period was pooled with the initial period (August 2006 through March 13, 2007) to be able to calculate meaningful standard deviations. For the nonparametric calculation, three separate periods were retained. For the middle period, the maximum of the six method blank concentrations was used; this represents the 86th percentile of the method blank data for this period, rather than the 95th percentile value.

4.4.2 Nonparametric Modification of Ferrario Method

The Work Group further decided that a nonparametric modification of the Ferrario et al. method was appropriate due to concerns regarding treatment of censored values (i.e., nondetects) in the method blank data set, and the determination of means and standard deviations from censored data. As a result, the Long-Term Monitoring Work Group decided to blank correct using the 95th percentile of the method blank data, rather than the mean plus two standard deviations. The percentile approach provides an equivalent level of statistical certainty but is unaffected by high percentages of undetected values in the method blank data set. Histograms showing the effects of blank correction on the PCB congener profiles are provided in Appendix I.

The Ferrario et al. method and the nonparametric modification of the Ferrario et al. method showed very little difference in terms of blank-corrected total PCB

concentrations in the baseline data set (typically less than a few percent RPD between the two calculations; see Table 4-4). However, there are significant differences in calculated total PCB concentrations between the 5X method and the other blank subtraction methods, especially in the background areas (Lake Winnebago and middle Green Bay) where the 5X method typically results in more severe corrections and lower calculated total PCB concentrations.

4.4.3 Number of Detected Congeners

The blank-corrected PCB water data was evaluated to determine the number of detected congeners out of 209 possible congeners as a means of assessing data quality and analytical uncertainty. It was determined that the 25 most abundant congeners accounted for about 80 percent of the total PCB mass in the Lower Fox River. This was determined by analysis of monitoring data from August and September 2006, in OU 3 and OU 4 (i.e., from the months and areas with the highest concentrations and most well defined PCB profiles). Greater confidence can be placed in analytical results with more than 25 detected congeners because of greater certainty that a large majority of the PCB mass has been quantified.

The number of detected PCB congeners in blank-corrected as well as uncorrected data are shown in Table 4-4. For the preferred nonparametric Ferrario method ("BC-95%"), there are only two instances with fewer than 25 detected congeners (February and March events for Lake Winnebago). By this measure, there was a negligible effect on data quality. Notably, the standard method of blank correction ("BC-5x") was a more aggressive correction, resulting in a significantly greater number of cases with fewer than 25 congeners, including a majority of results from Lake Winnebago as well as several results in OU 5B and OU 5C.

4.5 Statistical Analysis of Water Quality Data

4.5.1 Descriptive Statistics

Summary statistics of blank-corrected total PCB concentrations (summed PCB congener results), sorted by station, are presented in Table 4-5. This table includes nonparametric statistics (minimum, maximum, median, other percentiles, and percent nondetects) and parametric statistics (arithmetic mean, standard deviation, and coefficient of variation).

The summary statistics are presented for the entire monitoring year, and also for the warm-weather months only (April through November).

4.5.1.1 Spatial Trends in PCB Concentrations

Figure 4-3 presents box-and-whisker plots of blank-corrected water column PCB concentrations, sorted by OU or subunit. Separate plots are presented for the winter, often ice-covered months (December 2006 through March 2007), and the warm weather, ice-free months (August through November 2006, and April through July 2007). Figure 4-3a presents plots with arithmetic concentration scales, and Figure 4-3b presents companion plots with logarithmic concentration scales. The box-and-whisker plots provide a graphic summary of the statistical distributions of total PCB concentrations in the water column (see Section 3.4.1 for a more detailed description of box-and-whisker plots).

The following general observations can be discerned from inspection of the water quality summary statistics (Table 4-5) and box plots (Figure 4-3):

- Average annual total PCB concentrations generally increase from upstream to downstream in the Lower Fox River, from 4 ng/L (or parts per trillion [ppt]) in OU 1 to a peak value of 28 ng/L in OU 4. The maximum concentration of 82 ng/L was measured in OU 4 during August 2006.
- Average annual total PCB concentrations decrease by one to two orders of magnitude beyond the mouth of the river into Green Bay, dropping from 28 ng/L in OU 4, to 2 ng/L in OU 5A, and finally 0.4 ng/L in OU 5C.
- The lowest concentrations were observed in Lake Winnebago, with an average annual total PCB concentration of 0.2 ng/L, representing upstream "background" concentrations unaffected by site activities and inputs. Concentrations in Lake Winnebago are about one to two orders of magnitude lower than those in Lower Fox River OUs 1 through 4.
- Water column PCB concentrations show a pronounced seasonality, with significantly lower concentrations observed in winter months, as discussed in Section 4.5.1.3.

4.5.1.2 Spatial Trends in PCB Congener Profiles

Histograms of the PCB congener profiles, or "fingerprints", are provided in Appendix I. In general, these data show that the congener profiles in Lake Winnebago and the deep-water portions of Green Bay (i.e., OU 5C) are unique from the congener profiles observed in the Lower Fox River, which were largely derived from sources dominated by Aroclor 1242. The congener profiles in Lake Winnebago and OU 5C were affected by sources other than the Lower Fox River and are therefore appropriate for characterizing regional ambient background concentrations of PCBs, likely derived from atmospheric deposition and watershed runoff.

The following general observations can be discerned from inspection of the congener profiles in Appendix I:

- Congener profiles in the Lower Fox River were generally dominated by a lighter (i.e., lower molecular weight) congener signature. Some of the key index congeners in the Lower Fox River included PCB-4, -17, -18, -20, -28, -31, -52, and -66.
- Congener profiles in Lake Winnebago and OU 5C were generally dominated by a heavier congener signature. Some of the key index congeners in these reference areas included PCB-11, -20, -28, -31, -52, -66, -95, -110, -115, -118, -147, -149, -153, and -168.
- There was a gradient in composition from OU 4 through OU 5A, OU 5B, and OU 5C from a typical Lower Fox River signature to a progressively heavier "background" composition with increasing water depth in Green Bay.
- The Lake Winnebago profile was typically dominated by a few key congeners, whereas the PCB profile in OU 5C was more widely distributed among many congeners. This may have been an artifact of the blank correction procedure, considering the Lake Winnebago concentrations were lower than those in OU 5C and thus more heavily censored during blank correction.

4.5.1.3 Seasonal Trends in PCB Concentrations

Baseline water samples were collected on a monthly basis for a period of 1 year, from August 2006 through July 2007. Annual time series graphs of monthly total

PCB concentrations (blank corrected) are shown on Figure 4-4. The time series are presented with arithmetic concentration scales in Figure 4-4a and logarithmic concentration scales in Figure 4-4b. These data show a pronounced seasonality in total PCB concentrations in the Lower Fox River, supporting stratification of the data into winter and warm-weather months. Peak concentrations in the summer months of July and August are typically an order of magnitude or more higher than concentrations in the winter months throughout the Lower Fox River. Seasonal changes in ambient water temperature appear to be a primary cause of the observed seasonality in total PCB concentrations, although TSS concentrations are also significantly lower in winter months (see Table 4-1), contributing to the lower concentrations during that time.

Seasonality is less pronounced in Green Bay. In Green Bay, estimated total PCB concentrations in the winter months are only about half the values of the warm-weather months, compared to the order-of-magnitude differences between seasons that are observed in the Lower Fox River. Seasonal differences in TSS are also much less pronounced in Green Bay, as shown in Table 4-1. No discernible seasonality is evident in Lake Winnebago; concentrations at this background location are approaching the limits of analytical detection throughout much of the year (compare Figures 4-1 and 4-4).

4.5.2 Normal/Lognormal Distribution Testing

Blank-corrected total PCB concentration data were tested for conformance with standard normal and lognormal distributions, as shown in Table 4-6. Distribution testing was conducted for the entire 12-month data set, and also for the 8-month warm weather period. Conformance to a standard normal distribution was significantly improved by stratifying the data into warm-weather months. Normal distributions were confirmed for only three out of 10 sampling stations in the annual data set, but seven out of 10 sampling stations were normally distributed in the warm-weather data set.

In Lake Winnebago and subunit 5B, the data deviated from a normal distribution. Both data sets are affected by high outlier concentrations during the September monitoring period. Due to their inherently low ambient PCB concentrations, both stations are also

susceptible to blank contamination effects, and relatively high field and laboratory method blanks were reported during this period (see Figure 4-1).

Lognormal distribution test results similarly showed better performance when data were stratified into warm-weather months. Lognormal distributions were better able to describe the skewness imparted by the September outlier values in Lake Winnebago and subunit 5B.

4.5.3 PCB Correlations and Controlling Variables

Temperature and TSS concentrations appear to exert the greatest controlling influence on total PCB concentrations in the water column. These relationships are explored in this section. The correlation with flow is much weaker because of contradictory influences throughout the year (see Appendix J). In particular, low flows during late summer occur during the period of highest temperatures, leading to high PCB concentrations, whereas high flows during spring runoff can cause higher suspended sediment concentrations in the river and thereby contribute to higher PCB concentrations. In addition, higher flows can reduce concentrations by dilution. Whether the PCB inputs to the river are due to porewater flux or sediment resuspension will also affect the correlation. Thus, the relationship between flow and PCB concentration is complex.

4.5.3.1 Linear Regression

Simple (one-variable) linear regression results for temperature versus total PCBs, and TSS versus total PCBs, are presented in Figures 4-5a through 4-5c for all monitoring stations. These graphs show moderate to strong correlations with both parameters for all stations in the Lower Fox River. For temperature, the coefficients of determination (R^2 values) ranged from 0.74 to 0.93, and for TSS, the coefficients of determination ranged from 0.50 to 0.85. Much weaker correlations were observed in Green Bay (coefficients of determination ranged from 0.01 to 0.33 for temperature, and from 0.18 to 0.35 for TSS), consistent with a less pronounced seasonality of PCB concentrations in the bay. Correlations with these parameters were insignificant in Lake Winnebago.

4.5.3.2 Two-Variable Regression

Two-variable regression of PCB concentration versus water temperature and TSS was conducted using SYSTAT software (version 11). An advantage of the two-variable regression, compared to linear regression, is that it better accounts for possible correlations between temperature and TSS. The results are presented in Table 4-7.

Two data sets were evaluated: the 12-month monitoring year and the 8-month warm-weather season. In general, statistically significant effects of temperature were detected at more stations and at higher significance levels compared to TSS. The significance levels for the entire year were generally better than those for the truncated warm-weather months. Whereas most of the 12-month correlations were significant at the 95 percent level, the 8-month correlations were significant at the 80 to 95 percent level. This is likely due to the fact that very low PCB concentrations in winter correspond with seasonal low water temperatures and seasonal low TSS concentrations, providing a cluster of extreme and well-correlated values at the bottom end of the correlation range. Greater variation in the independent variables over the full year and their close correlation with PCB concentrations lead to rejection of the "no effect" hypothesis for temperature and TSS with a higher degree of confidence than when the winter months are excluded.

4.5.3.3 Water Column Stratification in Green Bay

The BMP specified collection of stratified samples from shallow-water and deep-water layers in Green Bay, to assess the effects of lake stratification and water depth on PCB concentration. For each sampling station and monitoring event in Green Bay, analytical results were obtained for composited water samples from shallow intervals (A, C, and E intervals, typically) and deep intervals (B, D, and F intervals, typically) (see Table 4-1).

A paired t-test was conducted to determine whether the shallow-water and deep-water samples were significantly different, as summarized in Table 4-8. On an average annual basis, the mean PCB concentrations in the deep samples are slightly higher (3 to 16 percent higher) than the corresponding shallow samples. These

relatively small differences are within the range of analytical precision. In addition, contradictory gradients were observed from month to month, with higher concentrations sometimes observed in the shallow layer, and sometimes in the deep layer. The t-test results indicate the PCB concentrations in the two water layers are not significantly different. As a result, it will not be necessary to continue collecting stratified samples in Green Bay in future monitoring events.

4.6 PCB Mass Loading Estimates

The total annual PCB load was estimated at seven locations on the Lower Fox River using blank-corrected total PCB concentrations and flow gaging records. Although the sampling program did not target particular storms or flow events, a representative range of flow conditions was sampled over the course of the year. The Lower Fox River hydrograph during the baseline monitoring year is shown on Figure 4-6, with sampling dates superimposed.

Figure 4-6 clearly shows that annual low-flow conditions as well as several peak runoff events in the fall (i.e., seasonal "first flush"), winter, and spring were captured in the monitoring program. In a few instances of rapidly changing flow conditions, the flow varied by as much as 1,000 to 2,000 cubic feet per second during a single monitoring event. However, even under such rapidly changing flow conditions, the resultant concentrations are consistent with spatial and temporal trends, and did not appear to be anomalous.

It should be noted that the average daily flow during the baseline monitoring year was approximately one-third lower than the long-term average for the Lower Fox River. Memoranda presenting additional details related to the PCB loading calculations are provided in Appendix J.

4.6.1 Load Estimation Methods

Daily flow measured by USGS at the Rapide Croche gaging station on the Lower Fox River was adjusted to each monitoring location by multiplying the measured daily flow by a watershed ratio. The watershed ratio is calculated as the watershed drainage area at the sampling location divided by the watershed drainage area at Rapide Croche. This

adjustment only amounts to -2 percent at Lake Winnebago, and +5 percent at OU 4, as there are only minor tributary inputs to the Lower Fox River.

Annualized loads were calculated using three different methods. The Beale Ratio Estimator was first applied to the unstratified data set. Secondly, it was applied to the data set that was manually stratified into two seasons: winter months (December through March) and warm-weather months (April through November). Automated stratification of the monitoring record (using the AutoBeale program, which seeks to minimize the root mean square error of the load estimate) was also explored, but this method generated substantially different seasonal break points among the various OUs, and results were less consistent with the other estimation methods; therefore, the automated stratification method was subsequently dropped. Linear interpolation of PCB concentrations between sampling events provided a third method to calculate the annual load. Detailed calculations are provided in Appendix J.

4.6.2 Estimated Annual Loads

Estimated annual PCB mass loads are presented in Table 4-9 and Figure 4-7. These loads represent the total annual PCB mass passing through the designated monitoring locations in the river; they include the cumulative effects of upstream contributions as well as local inputs. All three calculation methods resulted in similar estimates of total PCB load. Typically, the stratified Beale method resulted in the highest estimated load at each station. However, the methods differed by less than 10 to 20 percent. For the unstratified Beale method, the root mean squared error (RMSE) of the load estimate ranged from 27 to 39 percent of the mean for each OU or subunit (Figure 4-7).

In the 2006-2007 monitoring year, the background PCB load discharging from Lake Winnebago was approximately 0.5 kg/year. The load increased by more than an order of magnitude, to approximately 7 kg/year at the bottom of OU 1. There was a smaller increase in the load through OU 2 and OU 3, up to about 10 to 11 kg/year at the bottom of OU 3. The PCB load increased approximately five-fold from OU 3 to OU 4, resulting in an estimated 52 to 58 kg/year being discharged at the downstream end of OU 4. The average daily flow during the baseline monitoring year was approximately one-third lower than the long-term average for the Lower Fox River, and these loads therefore

underestimate what would have occurred in a year with a more typical average daily flow.

The stratified loading analysis showed that the total estimated load during the four winter months (December through March) amounted to only about 10 percent of the total annual PCB load (i.e., winter months account for only 4.7 kg of the total annual discharge of 58 kg of PCBs from OU4). This result suggests that future water monitoring events are best focused on the warm-weather months of April through November (see Section 5.3.2). However, if water monitoring data are only collected during these warm-weather months, it is important to limit the resulting PCB loading estimates to the same 8-month period. If annual loads are estimated without winter data, this will result in a substantial overestimation of the annual load because winter concentrations tend to be the lowest of the year (see Appendix J).

5 PROGRAM ASSESSMENT AND RECOMMENDATIONS

Adaptive management strategies implemented during the performance of field sampling and laboratory analytical work, lessons learned, and recommendations for the long-term monitoring program are discussed in this section.

5.1 Adaptive Management Strategies

The field and laboratory procedures used during the baseline monitoring program were evaluated during the initial data collection phases in consultation with the A/OT and the Long-Term Monitoring Work Group, and procedures were modified as necessary to ensure that monitoring objectives were achieved to the extent possible. Adaptive management strategies implemented during the baseline monitoring program are described in this section and summarized in Table 5-1. The review and adaptive management of field and laboratory procedures continues to be coordinated through the Long-Term Monitoring Work Group. In particular, the Work Group is continuing to develop the statistical decision framework and sampling design (including size and frequency of fish and water samples) to be used in the LTMP.

5.1.1 Fish Sampling Program

Various adaptive management strategies were implemented to ensure QAPP-specified target numbers or at least minimum numbers of fish were collected from each OU, as described in Section 3.4.2 of the BMP. These strategies included use of rotating fish schedules, expanded size classes, and alternate fishing techniques. Adaptive management strategies that were implemented differently or in addition to the measures described in the BMP, are discussed below.

Fish Collection Methods. Not all fishing methods used in the baseline monitoring program were productive. Fyke nets and set lines were unproductive and may be discontinued in future events. Productive fishing methods included electroshocking, hook and line (with guide), seine nets (gizzard shad), and WDNR trawls (especially in Lake Winnebago and Green Bay). Hook-and-line methods proved successful for collection of late spring bass, but this method may also hold potential for collection of other species (e.g., walleye and drum) during the late summer target window.

It is also important to focus collection activities on habitats that are frequented by particular fish species, and to select fish collection methods that are suitable for particular habitat types. A summary of fish collection techniques, substrates, and relevant habitat information for successful fishing runs is provided in Appendix A.

Fishing Rotation. The baseline monitoring program allocated 3 days to each OU or subunit during the initial circuit of stations, with follow-up work as needed (1 to 2 more days) after letting the water "rest." In some areas, target fish catches were easily obtained within the assigned fishing schedule, but in other areas, collection was more difficult for certain species. Day 3 was usually not very productive and in the future it will likely be more efficient to rotate to the next station after 2 days of hard fishing at a particular station.

Expanded Fishing Season. The target fishing season was specified as August 15 through September 15. The fishing season was extended through the end of October, however, to help fill some critical data gaps in fish species or size classes with no apparent effect on data quality. Supplemental fishing for smallmouth bass was also performed in June 2007 to fill some key data gaps in Lake Winnebago, OU 4, and Green Bay. The data set for smallmouth bass is not rich enough to discern whether there were any significant seasonal differences between late summer and late spring tissue concentrations.

Expanded or Modified Fish Size Ranges. Although locally prevalent, small gizzard shad were difficult to collect at many sampling stations. Whereas the BMP specified collection of 2- to 3-inch fish, limited and sporadic harvests in this small size range necessitated expansion of the target size range to include larger 3- to 6-inch fish. A WDNR fish biologist believed these larger fish could also be young-of-year. After controlling for higher lipid content in the larger fish, there do not appear to be significant differences in PCB contaminant levels between the 2- to 3-inch and 3- to 6-inch fish (see Section 3.4.3.3).

The size window for carp, originally planned at 10 to 20 inches, was increased to 12 to 22 inches based on a lack of carp in the 10- to 12-inch size range and a relative abundance of

carp in the 20- to 22-inch size range. No length specifications for smallmouth bass were provided in the BMP; based on the available harvest for this species, the recommended size window is 10 to 20 inches.

Gizzard Shad Numbers. Minimum completeness goals for gizzard shad were not achieved at two sampling stations (OU 1 and OU 2A), and optimum completeness goals were only achieved at three out of nine stations, even with the expanded size range. Gizzard shad was the only species that did not fulfill at least minimum completeness requirements at all stations. As a result, in some instances, composites were prepared using fewer numbers of fish to maximize analytical results. Whereas the BMP specified a minimum of 10 fish per composite, some composites were prepared using as few as three fish. The analytical laboratory was able to meet specified detection limit goals and had no trouble with the small sample volumes. Additional collection techniques may be explored during development and implementation of the LTMP to improve the gizzard shad harvest in future monitoring events.

5.1.2 Water Sampling Program

Various adaptive management strategies were implemented to ensure QAPP-specified water quality samples were collected from each OU or subunit. Some of the strategies described in Section 3.4.1 of the BMP did not have to be implemented because minimum completeness goals were met at all stations during the winter months, and optimum completeness goals (100 percent complete) were achieved at all stations during the warm weather months. Adaptive management strategies that were implemented differently or in addition to the measures described in the BMP are discussed below.

Managing Winter Sampling Risks. Severe winter weather, ice cover, and difficult access conditions present safety risks for winter sampling crews. In spite of these challenges, minimum completeness goals for winter months (at least two out of four successful winter sampling events) were met at all monitoring stations. A marine ice recovery contractor was hired to help assess field conditions and, if necessary, to provide safe access to Green Bay.

Minimization of Blank Contamination. Blank contamination is unavoidable in Method 1668A due to ultra-low level detection limits and ubiquitous trace levels of PCBs in the global environment. However, procedures were put in place to minimize field and laboratory contamination of water samples. Sampling was performed sequentially from upstream to downstream along the gradient of increasing contamination in the Lower Fox River. Disposable pump tubing was used at all Lower Fox River sampling stations, and dedicated Niskin bottles were used at each Green Bay sampling station. Although not specified in the BMP, field rinseate blanks were routinely collected from the peristaltic tubing and laboratory-cleaned Niskin bottles. Total PCB concentrations in field rinseate blanks (typically between 0.2 and 0.5 ng/L) and lab method blanks (typically between 0.1 and 0.3 ng/L) were held to a minimum (see Figure 4-1). The laboratory was also instructed to analyze samples in order from cleanest to dirtiest to avoid instrument cross contamination (see Section 4.1.2).

Redundant Sample Collection to Avoid Sample Loss or Breakage. There is always the potential for breakage during sample handling or transport. Although not specified in the BMP, the field crew was instructed to collect a redundant set of bottles from each station and to hold them in secured refrigerated storage in Green Bay in case the primary samples were lost or broken. For example, one set of samples froze and broke due to a thermostat malfunction at the analytical lab; however, because a redundant set of samples was being held in Green Bay, no data were lost.

Green Bay Stratification. The thermocline in Green Bay was not uniformly present during transitional periods between seasons, leading to challenges with respect to compositing shallow-water and deep-water samples according the specifications of the BMP. In consultation with the A/OT, guidelines were developed for sampling and compositing in Green Bay during periods of weak or nonexistent stratification (see Section 4.1.1.1). The compositing instructions were prepared in the office after careful review of the field logs and water quality profiles, and not in the field. Subsequently, it has been determined that there are no significant differences between the PCB concentrations in the shallow-water versus deep-water layers in Green Bay (see Section 4.5.3.3). As a result, collection of stratified samples in Green Bay may be discontinued in the long-term monitoring program.

5.2 Adequacy of Sample Numbers

The number of fish and water samples specified in the BMP were estimated based on the desired minimum detectable relative difference (i.e., 50 percent reduction in PCB concentrations between successive monitoring events), the desired level of statistical confidence (90 percent) and power (80 percent), and an estimate of the variability of the data (as described by the coefficient of variation, or CV). The relationship between sample size and statistical power follows USEPA (1998), as discussed in the BMP. The estimated level of statistical confidence provided by the baseline monitoring data is a function of the observed CVs of these data relative to the CVs that were assumed when the BMP was designed. The confidence levels provided by the baseline monitoring data are summarized in Table 5-2; they are based on the ability to detect a 50 percent reduction in PCB concentrations with 80 percent power, given the observed variability of the data. In a majority of cases, sample sizes met or exceeded expectations for statistical confidence, as described below.

5.2.1 Adequacy of Fish Tissue Samples

The statistical confidence levels associated with human health fish species—walleye and bass—were uniformly excellent and typically exceeded 95 percent (Table 5-2). Statistical confidence levels associated with ecological fish species—carp and drum—were also excellent, with a few localized exceptions. Sub-optimal confidence levels were associated with carp data in OU 1 (>80 percent) and subunits 2A and 5B (>70 percent). Subunits 2A and 5B were each affected by an outlier, and are probably better described by lognormal distributions. Drum performance was slightly below expectations in subunit 2C (>80 percent), but exceeded expectations (>95 percent) in a majority of the other OUs. Overall, these comparisons validate the continued use of similar sample sizes in the long-term monitoring program. The Work Group is continuing to refine the sampling design for the long-term fish monitoring program, including consideration of multiple regression techniques to improve statistical power.

Statistical confidence goals were only sometimes met in the gizzard shad data. Five of the OUs showed excellent power to detect reductions in PCB concentrations, with over 95 percent confidence, whereas lower confidence levels (between 80 to 90 percent confidence) were observed in the other four OUs. Therefore, it may be appropriate to consider increasing the gizzard shad sample size during the long-term monitoring

program. The difficulty may be in harvesting sufficient sample sizes from some of the OUs, especially OU 1 and OU 2A, which did not fulfill their completeness goals for gizzard shad.

5.2.2 Adequacy of Water Samples

When monthly water samples are evaluated as a year-round data set, target levels of statistical confidence are generally not met. Water column data at only three out of 10 monitoring stations showed statistical confidence levels of 90 percent or higher.

Without considering the effects of controlling variables, statistical power was improved by removing the winter months (December through March) from the data set. Statistical confidence levels of 90 percent or higher were observed in seven out of 10 stations, in spite of having fewer samples in the data set. Two of the remaining stations showed confidence levels between 80 and 90 percent. Lake Winnebago showed the lowest confidence levels (>75 percent) compared to all other OUs, likely due to the extremely low PCB concentrations and higher analytical uncertainty associated with this upstream background location.

In summary, the 8-month warm-weather data set exhibited better statistical power for detecting long-term reductions in PCB concentrations compared to the year-round data set. Expected levels of statistical confidence were met in a majority of cases in the 8-month data set, whereas less than one-third of the stations met the confidence targets in the year-round data set. These results suggest that sampling in the winter months is not likely to improve statistical performance. The Work Group is continuing to refine the sampling design for the long-term water monitoring program, including consideration of multiple regression techniques to improve statistical power.

5.3 Recommendations for Long-Term Monitoring Program

The following revisions or clarifications to the field and laboratory procedures specified in the BMP are recommended for implementation in future long-term monitoring events.

5.3.1 Fish Monitoring Program Recommendations

Prioritization of Fish Species. Walleye is recommended as the primary human health fish species, and smallmouth bass is recommended as the alternate human health species. Walleye were relatively abundant and easily harvested, providing high levels of data completeness and a good distribution of size classes. Smallmouth bass was selected over channel catfish as the alternate human health species because bass is a more popular recreational fishery, and bass are easier to obtain in Green Bay.

Carp is recommended as the primary ecological species in the Lower Fox River, and drum is recommended as the primary ecological species in Green Bay. Both species should be collected in OU 4. In general, PCB concentrations were higher in carp in the Lower Fox River, and higher in drum in Green Bay. Both carp and drum exhibited good availability and data completeness, although the drum catch provided a better distribution of size ranges.

Fish Size Ranges. The target size ranges specified in the BMP for walleye and drum are appropriate. The target size range for carp should be modified 2 inches larger, to a target range of 12 to 22 inches (the BMP specified a range of 10 to 20 inches), given that no carp less than 12 inches were collected anywhere in the Lower Fox River. The BMP did not specify a target size range for smallmouth bass. Based on the field catch, the recommended target range for bass is 10 to 20 inches, given that no bass greater than 20 inches and very few bass greater than 18 inches were collected during the monitoring program. Future monitoring events should continue to prioritize smaller gizzard shad in the 2- to 4-inch size range, although 4- to 6-inch fish may be collected if necessary to fill out the catch requirements. In these cases, a WDNR fish biologist should be consulted to determine if the larger 4- to 6-inch fish represent "young-of-year" for that particular monitoring season.

Fish Sample Numbers. The determination of fish sample numbers for long-term monitoring is currently being evaluated in the Work Group. Upon selection of decision rules and corresponding statistical analysis methods for the LTMP, baseline data will be used to develop recommendations for fish sample numbers and monitoring frequency. Development of the sampling design for the LTMP will focus on data collection and

handling procedures that will provide adequate levels of precision to support the decision rules and statistical analysis methods with adequate statistical power.

Fish Collection Methods. Recommended fishing methods include electroshocking, seine nets (for gizzard shad), WDNR trawls (especially in Lake Winnebago and Green Bay), and hook-and-line (with guide). Although it was only implemented in the supplemental June 2007 sampling event, the hook-and-line method may also be useful in the primary late summer target window.

Extended Fishing Season. If necessary to fill data gaps for certain species or size ranges, the primary fishing window may be extended an additional month from September 15 through October 15, with little apparent effect on fish tissue lipid content or contaminant levels.

5.3.2 Water Monitoring Program Recommendations

Discontinue Green Bay Stratification. No significant differences between shallow-water and deep-water layers in Green Bay were observed. In addition, stratification of the water column was sometimes weak or absent, and stratification of water samples was equivocal under these circumstances. As a result, stratification of water samples in Green Bay should be dropped from the long-term monitoring program.

Discontinue Winter Sampling. Water quality sampling during the four winter months, from December through March, appears to provide limited value to the monitoring program relative to the safety risks incurred by the field crews to perform under severe weather conditions. The value of the winter data is limited because: 1) PCB concentrations during the winter months are, on average, an order of magnitude less than concentrations during the warm-weather months; 2) the lower PCB concentrations in the winter months commonly approach ambient levels of blank contamination, resulting in analytical quantitations with higher uncertainty; 3) the four winter months combined contribute less than one-tenth of the annual PCB mass load to Green Bay; and 4) the winter data generally increase the variance of the annual data set, and cause the data to deviate from standard normal distributions. The Work Group concluded winter

sampling should be discontinued in the long-term monitoring program; water samples will be distributed systematically in the months April through November.

Redundant Sample Collection. Redundant sample collection should continue to be implemented during the long-term monitoring program, holding a complete second set of water samples in refrigerated storage in Green Bay in case samples are lost or broken during transport or handling at the analytical lab.

Minimize Blank Contamination. As allowed by field logistics and access, water sampling should be conducted sequentially from upstream to downstream. Stations in the Lower Fox River and Lake Winnebago should be sampled using dedicated pump tubing, and each of the Green Bay stations should have a dedicated Niskin bottle or equivalent sampler. The analytical lab should also be instructed to analyze the samples in order from lowest to highest PCB concentrations. These controls should help to minimize field and lab blank contamination.

Blank Correction of PCB Congeners. After evaluating the effects of several different types of blank correction procedures in the Long-Term Monitoring Work Group, it is recommended that blank subtraction of PCB congener data be performed using a nonparametric modification of the Ferrario et al. (1997) method, as discussed in Section 4.4. Following this procedure, blank-corrected total PCB concentrations included a minimum of 25 detected congeners in all but two winter months in Lake Winnebago. The nonparametric modification is better able to handle censored data sets in the lab method blanks.

Field Rinseate Blanks. Field rinseate blanks should continue to be implemented routinely in future monitoring events. Time series of field and lab blank contamination should be continually updated as data are collected over the course of the monitoring year. The time series should be evaluated for trends that may be indicative of changes in procedures or equipment that may affect the ambient background levels of PCB contamination in the samples, and thus data quality.

Other Recommendations. Other possible recommendations for the long-term monitoring program are continuing to be evaluated in the Work Group. Issues that are being discussed include characterization and control of field blank contamination, method blank acceptance criteria, and use of a subset of index congeners for statistical analysis to help moderate the influence of blank contamination.

6 REFERENCES

Anchor Environmental, L.L.C. and Foth Infrastructure and Environment, LLC (Anchor and Foth). 2008. 2008 Remedial Action Plan for the Lower Fox River Phase 1 Remedial Action. Prepared for NCR Corporation and U.S. Paper Mills Corporation. March 2008.

Anchor Environmental, L.L.C., Tetra Tech EC, Inc., J. F. Brennan Co, Inc., and Boskalis Dolman (Anchor et al.). 2008. Lower Fox River Remedial Design 60 Percent Design Report Volumes 1 and 2. Prepared for Appleton Papers Inc., Georgia-Pacific Consumer Products LP, and NCR Corporation. June 2008.

Berk, K.N., and Carey, P. 2000. Data Analysis with Microsoft Excel. Duxbury Press, 600 p.

Blasland, Bouck, and Lee (BBL). 1999. Analytical Data Summary Tables; Fox River 1998 Sampling Program – Surface Water, Sediment, Fish (Partial).

BBL. 2002. PCB Trends in Fish from the Lower Fox River and Green Bay. Prepared for the FRG.

Exponent. 1999. Analytical Data Summary Tables; 1998 NRDA Fox River Sampling Program March.

Ferrario, J. Byrne, C., and Dupuy, A.E. 1997. Background contamination by coplanar polychlorinated biphenyls (PCBs) in trace level high resolution gas chromatography/ mass spectrometry (HRGC/HRMS) analytical procedures. Chemosphere, v. 34, pp. 2451-2465.

Limno-Tech, Inc. (LTI). 2002. Lower Fox River Water Column Sampling and Analysis, 2000-2001. Prepared for the FRG, January 2002.

Randall, R.C., Lee, H., Ozretick, R.J., Lake, J.L., and Pruell, R.J. 1991. Evaluation of selected lipid methods for normalizing pollutant bioaccumulation. Environ. Toxic. and Chem., v. 10, p. 1431-1436.

Shaw Environmental, Inc. and Anchor Environmental, L.L.C. (Shaw and Anchor). 2006. Lower Fox River Baseline Monitoring Plan. Prepared for Fort James Operating Company, Inc. and NCR Corporation. June 23, 2006.

U.S. Environmental Protection Agency (USEPA). 2000. Guidance for Assessing Chemical Contaminant Data for Use in Fish Advisories, vol. 1, Fish Sampling and Analysis, 3rd ed., Office of Water, EPA-823-B-00-007, November.

USEPA. 2004. Results of the Lake Michigan Mass Balance Study: Polychlorinated Biphenyls and trans-Nonachlor Data Report. April. EPA 905 R-01-011

U.S. Environmental Protection Agency and Wisconsin Department of Natural Resources (USEPA and WDNR). 2002. Record of Decision, Operable Unit 1 and Operable Unit 2, Lower Fox River and Green Bay, Wisconsin. December.

USEPA and WDNR. 2003. Record of Decision, Operable Units 3, 4, and 5. Lower Fox River and Green Bay Wisconsin. June 2003.

USEPA and WDNR. 2007. Record of Decision Amendment: Operable Unit 2 (Deposit DD), Operable Unit 3, Operable Unit 4, and Operable Unit 5 (River Mouth). Lower Fox River and Green Bay Superfund Site. June.

Washington State Department of Ecology (Ecology). 1993. Statistical Guidance for Ecology Site Managers, Toxics Cleanup Program, Olympia, WA, August 1992, with Supplement dated August 11, 1993. http://www.ecy.wa.gov/biblio/9254.html

TABLES

Table 3-1a
Total PCB Concentration in Fish Tissue – Walleye

OP Unit	Sample No.	Fish Length	Fish Weight	Lipid (Percent)	Total PCB (µg/kg)	Mercury (mg/kg)
LWB	LW-06-WA-001	16.0	1.4	1.8	36	0.058
	LW-06-WA-002	15.8	1.1	1.1	24	0.045
	LW-06-WA-003	16.0	1.3	0.8	22	0.08
	LW-06-WA-004	13.8	0.7	0.5	19U	0.051
	LW-06-WA-005	10.8	0.3	0.7	19U	0.021
	LW-06-WA-006	15.3	0.9	0.8	19U	0.052
	LW-06-WA-007	14.5	0.9	1.2	24	0.027
	LW-06-WA-008	15.3	1.2	1.5	31	0.068
	LW-06-WA-009	12.5	0.5	0.5	19U	0.032
	LW-06-WA-010	13.3	0.6	0.4	19U	0.027
	LW-06-WA-011	16.0	1.3	1.5	32	0.052
	LW-06-WA-012	14.0	0.6	0.5	19U	0.029
	LW-06-WA-013	12.8	0.4	1.1	20	0.027
	LW-06-WA-014	15.3	1.0	0.6	23	0.046
	LW-06-WA-015	12.3	0.5	0.5	19U	0.027
	LW-06-WA-016	16.3	1.5	2.0	36	0.053
	LW-06-WA-017	12.3	0.5	1.2	19U	0.031
OU1	OU1-06-WA-001	9.5	0.3	0.2	270	--
	OU1-06-WA-002	9.3	0.3	1.0	36	--
	OU1-06-WA-003	12.0	0.8	0.6	150	--
	OU1-06-WA-004	11.0	0.5	0.6	54	--
	OU1-06-WA-005	10.0	0.5	0.4	64	--
	OU1-06-WA-006	10.5	0.6	0.5	69	--
	OU1-06-WA-007	8.5	0.3	0.4	21	--
	OU1-06-WA-008	14.8	0.9	0.4	340	--
	OU1-06-WA-009	10.0	0.3	0.3	130	--
	OU1-06-WA-011	10.5	0.4	0.4	180	--
	OU1-06-WA-012	11.0	0.4	0.3	150	--
	OU1-06-WA-014	16.3	1.3	0.4	110	--
	OU1-06-WA-015	16.8	1.5	0.6	160	--
	OU1-06-WA-016	11.0	0.4	0.4	100	--
	OU1-06-WA-017	10.3	0.3	0.4	150	--
	OU1-06-WA-018	10.5	0.2	0.4	180	--
OU2A	OU2A-06-WA-001	15.5	1.5	0.8	510	--
	OU2A-06-WA-002	17.0	1.6	1.3	100	--
	OU2A-06-WA-003	11.8	0.4	0.2	97	--
	OU2A-06-WA-004	18.8	2.4	1.0	290	--
	OU2A-06-WA-005	15.5	1.1	0.3	340	--
	OU2A-06-WA-006	16.5	1.6	0.8	460	--
	OU2A-06-WA-007	18.0	2.3	1.1	310	--
	OU2A-06-WA-008	17.5	1.8	1.0	380	--
	OU2A-06-WA-009	12.5	0.8	0.5	170	--
	OU2A-06-WA-010	15.5	1.3	0.4	260	--
	OU2A-06-WA-011	10.5	0.4	0.4	270	--
	OU2A-06-WA-014	14.3	0.9	0.5	360	--
	OU2A-06-WA-015	19.5	2.1	2.1	140	--
	OU2A-06-WA-016	20.0	2.1	1.2	190	--
	OU2A-06-WA-018	18.5	1.8	0.9	470	--
	OU2A-06-WA-019	17.0	1.6	1.3	390	--
	OU2A-06-WA-020	12.5	0.7	0.4	170	--
	OU2A-06-WA-021	14.5	0.8	0.3	800	--

Table 3-1a
Total PCB Concentration in Fish Tissue – Walleye

OP Unit	Sample No.	Fish Length	Fish Weight	Lipid (Percent)	Total PCB (µg/kg)	Mercury (mg/kg)
OU2B	OU2B-06-WA-001	17.5	1.9	2.2	480	--
	OU2B-06-WA-002	10.8	0.5	0.6	91	--
	OU2B-06-WA-003	10.8	0.4	0.4	150	--
	OU2B-06-WA-004	10.5	0.4	0.5	160	--
	OU2B-06-WA-005	11.0	0.4	0.2	120	--
	OU2B-06-WA-006	10.3	0.4	0.6	94	--
	OU2B-06-WA-007	14.5	0.7	0.9	130	--
	OU2B-06-WA-008	12.8	0.4	0.6	130	--
	OU2B-06-WA-009	14.0	0.6	0.2	150	--
	OU2B-06-WA-010	15.0	1.0	0.5	150	--
	OU2B-06-WA-011	10.0	0.3	0.3	110	--
	OU2B-06-WA-012	10.5	0.3	0.2	21	--
	OU2B-06-WA-013	10.8	0.4	0.3	76U	--
	OU2B-06-WA-014	14.3	1.1	0.6	130	--
	OU2B-06-WA-015	15.0	1.1	0.4	130	--
	OU2B-06-WA-016	15.0	1.2	0.9	180	--
OU2C	OU2C-06-WA-001	14.3	0.9	0.7	250	0.26
	OU2C-06-WA-002	14.5	1.0	1.0	420	0.3
	OU2C-06-WA-003	14.5	0.4	0.9	230	0.29
	OU2C-06-WA-004	21.0	2.3	2.7	1,300	0.3
	OU2C-06-WA-005	18.3	1.9	0.8	240	0.33
	OU2C-06-WA-006	11.0	0.5	0.5	130	0.11
	OU2C-06-WA-007	17.0	1.6	0.8	340	0.38
	OU2C-06-WA-008	14.3	0.9	1.0	460	0.13
	OU2C-06-WA-009	11.5	0.6	0.5	220	0.17
	OU2C-06-WA-010	11.0	0.5	0.3	170	0.13
	OU2C-06-WA-011	14.8	1.0	1.0	310	0.18
	OU2C-06-WA-012	21.8	3.8	2.4	650	0.23
	OU2C-06-WA-013	21.3	3.2	1.7	860	0.21
	OU2C-06-WA-014	18.0	1.8	1.3	1,800	0.28
	OU2C-06-WA-015	19.8	2.1	1.7	1,400	0.21
	OU2C-06-WA-016	18.0	1.9	1.0	480	0.22
OU3	OU3-06-WA-001	20.5	2.9	0.8	550	--
	OU3-06-WA-002	13.3	0.8	0.9	250	--
	OU3-06-WA-003	14.8	0.6	1.1	620	--
	OU3-06-WA-004	15.8	1.4	0.8	350	--
	OU3-06-WA-005	15.5	1.1	0.9	280	--
	OU3-06-WA-006	15.0	1.3	1.6	310	--
	OU3-06-WA-007	18.8	2.6	1.4	1,100	--
	OU3-06-WA-008	15.0	1.2	1.1	440	--
	OU3-06-WA-009	17.5	1.8	1.3	2,000	--
	OU3-06-WA-010	15.5	1.3	1.7	290	--
	OU3-06-WA-011	18.8	2.6	0.8	340	--
	OU3-06-WA-012	20.5	3.5	1.2	450	--
	OU3-06-WA-013	19.5	2.8	3.5	1,300	--
	OU3-06-WA-014	18.5	2.8	1.9	1,400	--
	OU3-06-WA-015	18.5	2.8	1.5	480	--

Table 3-1a
Total PCB Concentration in Fish Tissue – Walleye

OP Unit	Sample No.	Fish Length	Fish Weight	Lipid (Percent)	Total PCB (µg/kg)	Mercury (mg/kg)
OU4	OU4-06-WA-001	21.0	3.1	1.6	560	--
	OU4-06-WA-002	18.8	2.2	2.8	760	--
	OU4-06-WA-003	17.0	1.8	0.9	460	--
	OU4-06-WA-004	16.5	1.4	0.8	590	--
	OU4-06-WA-006	14.5	1.1	1.5	430	--
	OU4-06-WA-007	15.5	1.1	0.7	760	--
	OU4-06-WA-010	16.3	1.3	2.3	920	--
	OU4-06-WA-011	17.3	1.5	1.0	370	--
	OU4-06-WA-012	18.3	1.6	1.5	1,400	--
	OU4-06-WA-013	16.3	1.4	1.5	240	--
	OU4-06-WA-014	19.8	2.8	3.0	970	--
	OU4-06-WA-015	15.3	1.2	0.9	480	--
	OU4-06-WA-016	16.3	1.4	1.3	650	--
	OU4-O6-WA-017	15.3	1.3	2.1	290	--
	OU4-O6-WA-018	12.8	0.8	2.5	1,300	--
	OU4-O6-WA-021	14.5	1.1	0.9	550	--
OU5A	OU5A-06-WA-001	16.5	1.6	1.5	820	--
	OU5A-06-WA-002	14.8	1.1	1.3	470	--
	OU5A-06-WA-003	14.5	1.0	1.0	470	--
	OU5A-06-WA-004	16.3	1.6	0.9	550	--
	OU5A-06-WA-005	18.0	2.2	3.3	1,300	--
	OU5A-06-WA-006	16.0	1.6	1.0	500	--
	OU5A-06-WA-007	15.8	1.4	1.9	700	--
	OU5A-06-WA-008	14.0	1.0	1.1	400	--
	OU5A-06-WA-009	18.0	2.0	1.7	380	--
	OU5A-06-WA-010	18.5	2.5	1.0	280	--
	OU5A-06-WA-011	18.0	2.0	1.2	350	--
	OU5A-06-WA-012	14.8	1.1	0.7	180	--
	OU5A-06-WA-013	16.3	1.4	1.2	360	--
	OU5A-06-WA-014	19.0	2.2	1.9	380	--
	OU5A-06-WA-015	20.0	3.1	1.3	270	--
OU5B	OU5B-06-WA-001	18.3	2.0	1.9	300	--
	OU5B-06-WA-002	18.8	2.1	1.8	370	--
	OU5B-06-WA-003	17.8	1.8	1.5	400	--
	OU5B-06-WA-004	19.8	3.0	2.6	430	--
	OU5B-06-WA-006	16.5	1.8	1.6	260	--
	OU5B-06-WA-007	18.8	2.4	1.6	360	--
	OU5B-06-WA-008	17.8	1.6	1.1	160	--
	OU5B-06-WA-009	17.3	1.5	2.1	340	--
	OU5B-06-WA-010	18.3	2.0	1.2	180	--
	OU5B-06-WA-011	16.0	1.3	2.1	450	--
	OU5B-06-WA-012	18.8	2.1	1.5	280	--
	OU5B-06-WA-013	18.3	1.8	0.7	180	--
	OU5B-06-WA-014	16.5	1.3	0.9	180	--
	OU5B-06-WA-015	19.5	2.3	2.0	320	--
	OU5B-06-WA-016	19.0	2.3	1.4	280	--
	OU5B-06-WA-017	17.3	1.8	1.4	240	--

Table 3-1b
Total PCB Concentration in Fish Tissue – Bass

OP Unit	Sample No.	Fish Length	Fish Weight	Lipid (Percent)	Total PCB (µg/kg)
LWB	LWB-07-SB-001	13.5	1.4	0.4	19 U
	LWB-07-SB-002	10.3	0.9	1.7	26
	LWB-07-SB-003	14.1	1.2	1.0	26
	LWB-07-SB-004	10.0	0.5	1.2	19 U
	LWB-07-SB-005	16.3	2.0	1.4	62
	LWB-07-SB-006	14.8	1.1	1.3	19 U
	LWB-07-SB-007	16.5	2.2	0.8	54
	LWB-07-SB-008	12.8	1.4	1.0	19 U
	LWB-07-SB-009	14.3	1.9	1.2	19 U
	LWB-07-SB-010	16.3	2.5	0.2	70
	LWB-07-SB-011	14.0	1.9	1.3	28
	LWB-07-SB-012	14.5	1.7	0.7	24
	LWB-07-SB-013	14.3	1.6	0.8	20
	LWB-07-SB-014	12.0	0.9	0.5	19 U
	LWB-07-SB-015	15.1	1.1	0.7	20
OU1	OU1-06-SB-003	16.5	2.2	1.5	310
	OU1-06-SB-004	15.5	1.9	1.0	360
	OU1-06-SB-005	11.5	0.9	0.7	120
	OU1-06-SB-007	15.0	1.8	2.0	410
	OU1-06-SB-008	13.0	1.3	1.5	540
	OU1-06-SB-009	13.5	1.3	0.8	220
	OU1-06-SB-010	10.3	0.8	0.5	100
	OU1-06-SB-012	9.2	0.6	0.7	51
	OU1-06-SB-014	12.6	1.0	0.6	160
	OU1-06-SB-015	12.5	0.9	0.3	250
	OU1-06-SB-016	9.7	0.7	0.3	77
	OU1-06-SB-019A	12.0	0.9	0.7	55
	OU1-06-SB-020	13.0	1.1	0.4	20
	OU1-06-SB-021	18.0	3.9	1.7	370
	OU1-06-SB-022	13.0	1.3	0.4	130
OU2A	OU2A-06-SB-001	11.8	0.9	0.4	110
	OU2A-06-SB-002	12.0	0.9	0.6	96
	OU2A-06-SB-004	15.5	2.1	1.1	530
	OU2A-06-SB-005	16.0	2.7	0.9	190
	OU2A-06-SB-006	13.5	1.8	0.9	190
	OU2A-06-SB-007	12.0	0.9	0.2	280
	OU2A-06-SB-009	11.5	0.9	0.4	190
	OU2A-06-SB-010	15.0	1.9	1.3	440
	OU2A-06-SB-011	14.0	1.8	0.8	250
	OU2A-06-SB-012	12.5	1.2	0.4	210
	OU2A-06-SB-014	18.0	3.2	2.9	520
	OU2A-06-SB-015	13.3	1.3	1.0	260
	OU2A-06-SB-016	10.8	0.6	0.7	130
	OU2A-06-SB-019	11.3	0.7	0.6	140
	OU2A-06-SB-020	14.5	1.6	0.8	140
	OU2A-06-SB-021	15.8	2.1	1.3	400

Table 3-1b
Total PCB Concentration in Fish Tissue – Bass

OP Unit	Sample No.	Fish Length	Fish Weight	Lipid (Percent)	Total PCB (µg/kg)
OU2B	OU2B-06-SB-001	12.5	1.1	1.1	180
	OU2B-06-SB-003	14.5	1.8	1.2	200
	OU2B-06-SB-004	15.5	2.2	1.0	130
	OU2B-06-SB-005	13.8	1.4	1.0	230
	OU2B-06-SB-006	10.3	0.5	0.7	110
	OU2B-06-SB-009	10.0	0.6	1.2	190
	OU2B-06-SB-010	13.0	1.3	0.9	120
	OU2B-06-SB-011	12.8	1.3	0.9	140
	OU2B-06-SB-012	14.0	1.7	1.3	260
	OU2B-06-SB-013	18.5	3.6	1.3	260
	OU2B-06-SB-014	15.8	2.2	1.1	230
	OU2B-06-SB-015	17.0	3.0	1.2	280
	OU2B-06-SB-016	16.0	2.5	1.8	320
	OU2B-06-SB-017	14.8	1.8	1.2	260
	OU2B-06-SB-018	12.0	1.1	1.2	210
OU2C	OU2C-06-SB-001	16.3	2.1	1.2	98
	OU2C-06-SB-002	14.0	1.2	2.2	180
	OU2C-06-SB-004	15.3	2.2	0.6	270
	OU2C-06-SB-006	13.8	1.4	1.1	170
	OU2C-06-SB-007	12.5	0.9	0.6	110
	OU2C-06-SB-008	12.0	0.9	0.6	75
	OU2C-06-SB-010	10.8	0.6	0.6	77
	OU2C-06-SB-011	11.5	0.7	2.1	470
	OU2C-06-SB-012	15.0	1.6	1.2	79
	OU2C-06-SB-014	10.3	0.9	0.6	88
	OU2C-06-SB-015	14.5	1.2	2.2	360
	OU2C-06-SB-016	15.5	2.1	1.5	210
	OU2C-06-SB-019	14.8	1.8	1.2	330
	OU2C-06-SB-020	16.8	2.8	1.3	330
	OU2C-06-SB-022	12.8	1.0	0.8	71
	OU2C-06-SB-023	13.3	1.2	1.0	78
OU3	OU3-06-SB-001	13.0	1.4	0.8	180
	OU3-06-SB-002	10.3	0.6	0.3	66
	OU3-06-SB-003	11.0	0.7	0.6	130
	OU3-06-SB-004	11.8	0.9	0.6	190
	OU3-06-SB-005	10.5	0.7	0.8	130
	OU3-06-SB-006	11.8	0.9	0.5	180
	OU3-06-SB-007	12.8	1.3	1.0	190
	OU3-06-SB-008	12.8	1.2	0.6	170
	OU3-06-SB-009	14.5	1.9	1.3	280
	OU3-06-SB-010	14.8	2.0	1.1	230
	OU3-06-SB-011	13.5	1.6	0.9	220
	OU3-06-SB-012	15.5	2.2	1.4	370
	OU3-06-SB-013	13.3	0.8	1.1	320
	OU3-06-SB-014	12.3	0.4	0.4	91
	OU3-06-SB-016	14.5	1.1	0.7	210

Table 3-1b
Total PCB Concentration in Fish Tissue – Bass

OP Unit	Sample No.	Fish Length	Fish Weight	Lipid (Percent)	Total PCB (µg/kg)
OU4	OU4-06-SB-001	12.3	0.9	0.4	400
	OU4-06-SB-002	11.0	0.6	0.8	600
	OU4-06-SB-003	10.8	0.6	0.5	420
	OU4-06-SB-004	15.5	2.0	0.9	310
	OU4-07-SB-002	10.8	0.7	0.7	470
	OU4-07-SB-003	15.0	1.9	0.8	200
	OU4-07-SB-004	15.5	2.3	0.6	400
	OU4-07-SB-005	10.5	0.6	0.5	330
	OU4-07-SB-006	14.5	0.6	2.3	950
	OU4-07-SB-007	12.0	0.9	1.0	350
	OU4-07-SB-008	14.0	1.7	1.2	450
	OU4-07-SB-009	12.1	0.8	1.2	430
	OU4-07-SB-010	12.2	0.8	0.9	430
	OU4-07-SB-012	13.1	1.4	0.5	170
	OU4-07-SB-013	18.7	3.1	0.9	710
	OU4-07-SB-014	14.6	1.8	0.4	320
	OU4-07-SB-015	16.2	2.3	1.1	930
	OU4-07-SB-016	14.9	2.1	0.3	140
	OU4-07-SB-017	13.0	1.3	0.5	380
OU5A	OU5A-06-SB-001	13.3	1.4	1.2	460
	OU5A-06-SB-002	11.3	0.8	0.9	390
	OU5A-06-SB-003	12.3	1.2	1.1	450
	OU5A-06-SB-004	9.8	0.6	0.6	240
	OU5A-07-SB-001	12.2	1.5	0.5	150
	OU5A-07-SB-002	12.3	2.2	0.6	250
	OU5A-07-SB-003	12.1	1.3	0.4	220
	OU5A-07-SB-004	16.1	2.6	0.4	390
OU5B	OU5B-06-SB-001	11.3	0.8	1.4	140
	OU5B-06-SB-002	13.5	1.3	0.8	19 U
	OU5B-06-SB-003	12.0	0.9	0.4	19 U
	OU5B-07-SB-001	15.5	1.2	0.5	240
	OU5B-07-SB-002	17.0	2.5	0.7	520
	OU5B-07-SB-003	16.9	2.1	0.6	380
	OU5B-07-SB-004	14.8	1.1	0.6	190
	OU5B-07-SB-005	19.5	4.5	2.4	1200
	OU5B-07-SB-006	17.2	2.1	0.7	230
	OU5B-07-SB-007	15.8	2.3	1.0	320
	OU5B-07-SB-008	16.8	2.1	1.9	640
	OU5B-07-SB-009	17.7	2.9	0.8	430
	OU5B-07-SB-010	15.1	1.1	0.5	220
	OU5B-07-SB-011	14.9	1.1	0.5	170
	OU5B-07-SB-012	17.5	2.9	1.2	580
	OU5B-07-SB-013	16.9	3.6	1.0	420
	OU5B-07-SB-014	16.7	2.4	1.3	560
	OU5B-07-SB-015	10.5	0.8	0.3	61
	OU5B-07-SB-016	17.0	2.1	0.9	510

Table 3-1c
Total PCB Concentrations in Fish Tissue – Carp

OP Unit	Sample No.	Fish Length	Fish Weight	Lipid (Percent)	Total PCB (µg/kg)
LWB	LWB-06-CA-C1	13.4	1.3	4.7	29
	LWB-06-CA-C2	14.5	1.7	3.5	28
	LWB-06-CA-C3	15.3	1.9	3.5	36
	LWB-06-CA-C4	16.0	2.2	4.3	36
	LWB-06-CA-C5	16.8	2.4	5.0	46
	LWBR-06-CA-C3	15.3	2.0	4.3	38
OU1	OU1-06-CA-C1	13.9	1.4	1.4	300
	OU1-06-CA-C2	18.3	2.6	6.2	1,500
	OU1-06-CA-C3	19.7	3.2	7.1	3,600
	OU1-06-CA-C4	20.6	4.1	9.4	2,600
	OU1-06-CA-C5	21.5	4.6	6.0	1,600
	OU1R-06-CA-C5	21.5	4.9	10.2	1,900
OU2A	OU2A-06-CA-C1	18.3	2.5	6.2	2,900
	OU2A-06-CA-C2	19.0	2.7	6.0	2,100
	OU2A-06-CA-C3	19.5	3.3	6.9	2,400
	OU2A-06-CA-C4	20.2	3.7	7.8	11,000
	OU2A-06-CA-C5	21.3	4.3	5.9	2,200
OU2B	OU2B-06-CA-C1	17.4	2.3	3.7	1,100
	OU2B-06-CA-C2	18.2	2.6	3.6	800
	OU2B-06-CA-C3	19.3	3.0	3.5	1,500
	OU2B-06-CA-C4	19.8	3.1	4.9	1,200
	OU2B-06-CA-C5	20.0	3.4	3.7	1,400
OU2C	OU2C-06-CA-C1	18.3	2.6	4.4	1,000
	OU2C-06-CA-C2	19.0	3.4	6.3	1,200
	OU2C-06-CA-C3	19.6	3.5	5.1	700
	OU2C-06-CA-C4	20.0	3.8	4.6	670
	OU2C-06-CA-C5	21.4	4.7	6.6	1,500
	OU2CR-06-CA-C3	19.6	3.6	5.0	860
OU3	OU3-06-CA-C1	16.5	2.1	2.1	600
	OU3-06-CA-C2	17.8	2.5	2.7	940
	OU3-06-CA-C3	18.6	3.0	4.2	1,100
	OU3-06-CA-C4	19.2	3.2	4.8	1,600
	OU3-06-CA-C5	19.9	3.6	4.4	1,000
	OU3R-06-CA-C1	16.6	2.2	1.5	590
OU4	OU4-06-CA-C1	15.5	1.2	6.2	2,800
	OU4-06-CA-C2	18.0	2.7	4.0	3,400
	OU4-06-CA-C3	19.1	3.3	3.9	5,100
	OU4-06-CA-C4	20.0	3.9	5.3	6,400
	OU4-06-CA-C5	21.2	4.7	4.4	5,800
	OU4R-06-CA-C4	21.3	4.9	3.5	4,100
OU5A	OU5A-06-CA-C1	12.6	1.3	4.5	890
	OU5A-06-CA-C2	13.3	1.3	5.1	720
	OU5A-06-CA-C3	13.6	1.5	4.2	980
	OU5A-06-CA-C4	14.0	1.5	4.1	880
	OU5A-06-CA-C5	15.3	1.8	2.9	480
	OU5AR-06-CA-C1	14.0	1.6	4.0	730
OU5B	OU5B-06-CA-C1	11.5	0.9	2.7	350
	OU5B-06-CA-C2	12.8	1.2	4.4	72
	OU5B-06-CA-C3	13.5	1.3	6.1	240
	OU5B-06-CA-C4	15.3	1.9	2.5	74
	OU5B-06-CA-C5	17.5	2.6	6.9	950

Table 3-1d
Total PCB Concentration in Fish Tissue – Drum

OP Unit	Sample No.	Fish Length	Fish Weight	Lipid (Percent)	Total PCB (µg/kg)
LWB	LWB-06-DR-C1	12.9	0.7	3.8	180
	LWB-06-DR-C2	14.1	1.3	7.7	200
	LWB-06-DR-C3	17.8	3.1	13.8	110
	LWB-06-DR-C4	20.0	4.3	12.7	150
	LWB-06-DR-C5	21.3	5.3	17.2	250
	LWBR-06-DR-C1	12.9	0.8	4.2	160
OU1	OU1-06-DR-C1	12.5	0.7	0.9	160
	OU1-06-DR-C2	13.2	0.9	1.5	420
	OU1-06-DR-C3	15.2	1.5	3.8	370
	OU1-06-DR-C4	17.4	2.4	5.4	650
	OU1-06-DR-C5	19.5	3.6	8.9	630
	OU1R-06-DR-C3	15.2	1.3	3.3	470
OU2A	OU2A-06-DR-C1	12.4	1.0	4.5	870
	OU2A-06-DR-C2	13.4	0.6	2.2	770
	OU2A-06-DR-C3	14.9	1.4	4.4	2,300
	OU2A-06-DR-C4	16.8	1.8	4.9	1,300
	OU2A-06-DR-C5	19.1	3.4	7.4	1,100
OU2B	OU2B-06-DR-C1	12.7	0.9	1.9	310
	OU2B-06-DR-C2	15.2	1.6	3.6	580
	OU2B-06-DR-C3	16.6	1.9	4.8	900
	OU2B-06-DR-C4	18.0	2.8	3.8	550
	OU2B-06-DR-C5	19.4	3.5	7.2	1,300
OU2C	OU2C-06-DR-C1	13.0	1.0	2.4	590
	OU2C-06-DR-C2	15.1	1.5	6.0	620
	OU2C-06-DR-C3	17.0	2.1	7.9	1,100
	OU2C-06-DR-C4	19.1	3.3	8.2	1,400
	OU2C-06-DR-C5	21.1	5.0	11.7	1,700
OU3	OU3-06-DR-C1	13.4	1.0	2.5	460
	OU3-06-DR-C2	15.1	1.5	5.4	1,400
	OU3-06-DR-C3	16.5	2.1	5.1	600
	OU3-06-DR-C4	18.2	2.7	11.9	2,000
	OU3-06-DR-C5	20.2	4.2	11.2	2,000
OU4	OU4-06-DR-C1	12.8	1.0	0.1	1,000
	OU4-06-DR-C2	14.1	1.3	3.4	740
	OU4-06-DR-C3	16.0	1.8	3.3	940
	OU4-06-DR-C4	17.3	2.5	8.5	2,300
	OU4-06-DR-C5	18.1	2.4	6.3	1,600
	OU4R-06-DR-C3	15.9	1.6	6.3	1,500
OU5A	OU5A-06-DR-C1	11.5	0.6	3.7	950
	OU5A-06-DR-C2	12.9	1.0	5.4	1,200
	OU5A-06-DR-C3	13.9	1.1	4.7	1,400
	OU5A-06-DR-C4	15.0	1.6	4.9	1,700
	OU5A-06-DR-C5	16.6	2.1	6.7	1,500
	OU5AR-06-DR-C3	14.0	1.1	5.7	1,600
OU5B	OU5B-06-DR-C1	12.8	0.9	3.8	750
	OU5B-06-DR-C2	14.2	1.2	5.2	1,200
	OU5B-06-DR-C3	15.7	1.7	7.4	1,300
	OU5B-06-DR-C4	17.7	2.8	10.1	2,100
	OU5B-06-DR-C5	20.0	4.4	10.3	2,100

Table 3-1e
Total PCB Concentration in Fish Tissue – Gizzard Shad

OP Unit	Sample No.	Fish Length	Fish Weight	Lipid (Percent)	Total PCB (µg/kg)
LWB	LWB-06-GS-C1	n/m	n/m	0.6	19
	LWB-06-GS-C2	n/m	n/m	3.7	20
	LWB-06-GS-C3	n/m	n/m	5.3	24
	LWB-06-GS-C4	n/m	n/m	6.1	28
	LWB-06-GS-C5	n/m	n/m	7.0	33
	LWBR-06-GS-C4	n/m	n/m	6.5	28
OU1	OU1-06-GS-C1	n/m	n/m	3.9	1,000
	OU1-06-GS-C2	n/m	n/m	6.3	790
OU2A	OU2A-06-GS-C1	n/m	n/m	2.1	300
	OU2A-06-GS-C2	n/m	n/m	0.9	180
	OU2A-06-GS-C3	n/m	n/m	3.1	550
OU2B	OU2B-06-GS-C1	n/m	n/m	0.9	110
	OU2B-06-GS-C2	n/m	n/m	2.2	91
	OU2B-06-GS-C3	n/m	n/m	1.6	98
	OU2B-06-GS-C4	n/m	n/m	1.9	100
	OU2B-06-GS-C5	n/m	n/m	2.3	93
	OU2BR-06-GS-C2	n/m	n/m	2.0	89
	OU2BR-06-GS-C5	n/m	n/m	3.8	130
OU2C	OU2C-06-GS-C1	n/m	n/m	0.8	19
	OU2C-06-GS-C2	n/m	n/m	1.2	100
	OU2C-06-GS-C3	n/m	n/m	2.2	170
	OU2C-06-GS-C4	n/m	n/m	2.0	190
	OU2C-06-GS-C5	n/m	n/m	1.2	90
OU3	OU3-06-GS-C1	n/m	n/m	1.9	190
	OU3-06-GS-C2	n/m	n/m	1.5	370
	OU3-06-GS-C3	n/m	n/m	1.5	200
	OU3-06-GS-C4	n/m	n/m	2.9	430
	OU3-06-GS-C5	n/m	n/m	2.8	870
	OU3R-06-GS-C5	n/m	n/m	3.4	500
OU4	OU4-06-GS-C1	n/m	n/m	1.9	940
	OU4-06-GS-C2	n/m	n/m	1.7	750
	OU4-06-GS-C3	n/m	n/m	1.3	590
	OU4-06-GS-C4	n/m	n/m	1.5	1,300
	OU4-06-GS-C5	n/m	n/m	3.1	1,800
	OU4R-06-GS-C3	n/m	n/m	0.7	250
OU5A	OU5A-06-GS-C1	n/m	n/m	1.6	320
	OU5A-06-GS-C2	n/m	n/m	1.7	350
	OU5A-06-GS-C3	n/m	n/m	1.6	360
	OU5A-06-GS-C4	n/m	n/m	1.1	260
	OU5A-06-GS-C5	n/m	n/m	1.5	350
	OU5AR-06-GS-C4	n/m	n/m	1.1	310
OU5B	OU5B-06-GS-C1	n/m	n/m	4.4	240
	OU5B-06-GS-C2	n/m	n/m	4.8	230
	OU5B-06-GS-C3	n/m	n/m	4.4	310
	OU5B-06-GS-C4	n/m	n/m	5.3	280
	OU5B-06-GS-C5	n/m	n/m	4.7	290
	OU5BR-06-GS-C2	n/m	n/m	4.7	350

Notes:
n/m = Not Measured

Table 3-1f
Total PCB Concentration in Fish Tissue – Catfish

OP Unit	Sample No.	Fish Length	Fish Weight	Lipid (Percent)	Total PCB (µg/kg)
LWB	LW-06-CC-001	14.3	0.9	3.3	25
	LW-06-CC-002	13.5	0.8	3.6	73
	LW-06-CC-003	12.3	0.6	3.2	31
	LW-06-CC-004	12.3	0.6	2.0	27
	LW-06-CC-005	13.3	0.9	3.7	38
	LW-06-CC-006	18.5	1.8	4.1	78
	LW-06-CC-007	17.5	1.8	4.6	41
	LW-06-CC-008	16.0	1.3	5.8	52
	LW-06-CC-009	12.5	0.7	2.7	25
	LW-06-CC-010	17.0	1.6	3.3	73
	LW-06-CC-011	15.5	1.2	1.4	37
	LW-06-CC-012	15.3	1.1	2.0	25
	LW-06-CC-013	n/m	n/m	8.3	140
	LW-06-CC-014	15.0	1.1	4.5	28
	LW-06-CC-015	17.5	1.9	5.0	85
	LW-06-CC-016	16.5	1.4	4.2	30

Notes:
n/m = not measured

Table 3-2
Fish Completeness Summary

Walleye Completeness (Human Health - Primary)

	Percent Complete in Target Range (12 to 22 inches)	Percent Complete with Expanded Range (10 to 24 inches)	Optimum Completeness Achieved? 15 Individual Fish	Minimum Completeness Achieved? 8 Individual Fish
LWB	100%	100%	Yes	Yes
OU1	27%	100%	Yes	Yes
OU2A	100%	100%	Yes	Yes
OU2B	53%	100%	Yes	Yes
OU2C	87%	100%	Yes	Yes
OU3	100%	100%	Yes	Yes
OU4	100%	100%	Yes	Yes
OU5A	100%	100%	Yes	Yes
OU5B	100%	100%	Yes	Yes

Smallmouth Bass Completeness (Human Health - Secondary)

	Percent Complete in Target Range (10 to 20 inches) [1]	Percent Complete with Expanded Range (8 to 22 inches)	Optimum Completeness Achieved? 15 Individual Fish	Minimum Completeness Achieved? 8 Individual Fish
LWB[2]	100%	100%	Yes	Yes
OU1	87%	100%	Yes	Yes
OU2A	100%	100%	Yes	Yes
OU2B	100%	100%	Yes	Yes
OU2C	100%	100%	Yes	Yes
OU3	100%	100%	Yes	Yes
OU4[2]	100%	100%	Yes	Yes
OU5A[2]	47%	53%	**No**	Yes
OU5B[2]	100%	100%	Yes	Yes

Notes:

[1] Recommended target range is 10 to 20 inches; target range was not specified in the QAPP

[2] Smallmouth bass in LWB, OU4, OU5A, and OU5B supplemented with additional sampling in June 2007

Channel Catfish Completeness (Human Health - Alternate)

	Percent Complete in Target Range (12 to 22 inches)	Percent Complete with Expanded Range (10 to 24 inches)	Optimum Completeness Achieved? 15 Individual Fish	Minimum Completeness Achieved? 8 Individual Fish
LWB	100%	100%	Yes	Yes
OU1	20%	20%	**No**	**No**
OU2A	100%	100%	Yes	Yes
OU2B	100%	100%	Yes	Yes
OU2C	100%	100%	Yes	Yes
OU3	100%	100%	Yes	Yes
OU4[3]	100%	100%	Yes	Yes
OU5A[3]	67%	67%	**No**	Yes
OU5B	0%	0%	**No**	**No**

Notes:

[3] Channel catfish in OU4 and OU5A supplemented with additional sampling in June 2007

Table 3-2
Fish Completeness Summary

Carp Completeness (Ecological - Primary, Lower Fox River)

	Percent Complete in Target Range (10 to 20 inches) [4]	Percent Complete with Expanded Range (8 to 22 inches)	Optimum Completeness Achieved? 25 Fish Total 5 Composites x 5 Fish	Minimum Completeness Achieved? 5 Fish Minimum 5 Individual Fish
LWB	76%	76%	**No**	Yes
OU1	48%	100%	Yes	Yes
OU2A	100%	100%	Yes	Yes
OU2B	100%	100%	Yes	Yes
OU2C	100%	100%	Yes	Yes
OU3	100%	100%	Yes	Yes
OU4	68%	100%	Yes	Yes
OU5A	64%	64%	**No**	Yes
OU5B	36%	36%	**No**	Yes

Notes:

[4] It is recommended that the target carp range be adjusted to 12 to 22 inches for long-term monitoring

Drum Completeness (Ecological - Primary, Green Bay)

	Percent Complete in Target Range (12 to 22 inches)	Percent Complete with Expanded Range (10 to 24 inches)	Optimum Completeness Achieved? 25 Fish Total 5 Composites x 5 Fish	Minimum Completeness Achieved? 5 Fish Minimum 5 Individual Fish
LWB	100%	100%	Yes	Yes
OU1	92%	96%	**No**	Yes
OU2A	100%	100%	Yes	Yes
OU2B	100%	100%	Yes	Yes
OU2C	100%	100%	Yes	Yes
OU3	100%	100%	Yes	Yes
OU4	100%	100%	Yes	Yes
OU5A	100%	100%	Yes	Yes
OU5B	68%	68%	**No**	Yes

Gizzard Shad Completeness (Ecological - Young Forage Fish)

	Percent Complete in Target Range (2 to 3 inches)	Percent Complete with Expanded Range (2 to 6 inches)	Optimum Completeness Achieved? 125 Fish Total 5 Composites x 25 Fish	Minimum Completeness Achieved? 50 Fish Total 5 Composites x 10 Fish
LWB	2%	100%	**No**	Yes [5]
OU1	0%	7%	**No**	**No**
OU2A	25%	30%	**No**	**No**
OU2B	100%	100%	Yes	Yes
OU2C	35%	57%	**No**	Yes
OU3	47%	100%	**No**	Yes
OU4	100%	100%	**No**	Yes [5]
OU5A	100%	100%	Yes	Yes
OU5B	0%	100%	**No**	Yes [5]

Notes:

[5] Composites were prepared with fewer than 10 fish to provide better spatial & temporal representativeness

Table 3-3
Descriptive Summary Statistics for Fish Tissue Data

Walleye	LWB	OU1	OU2A	OU2B	OU2C	OU3	OU4	OU5A	OU5B	ALL
Total PCBs (µg/kg)										
Count (No. Samples)	17	16	18	16	16	15	16	15	16	145
No. Nondetects	8	0	0	1	0	0	0	0	0	9
Percent Nondetects	47%	0%	0%	6%	0%	0%	0%	0%	0%	6%
Mean	24	135	317	144	579	677	671	494	296	365
Median	20	140	300	130	380	450	575	400	290	280
Minimum	<19	21	97	21	130	250	240	180	160	<19
Maximum	36	340	800	480	1,800	2,000	1,400	1,300	450	2,000
10th Percentile	19	45	128	84	195	284	330	274	180	27
25th Percentile	19	68	175	106	238	325	453	355	225	130
50th Percentile	20	140	300	130	380	450	575	400	290	280
75th Percentile	24	165	388	150	703	860	800	525	363	460
90th Percentile	34	225	482	170	1,350	1,360	1,135	772	415	784
Standard Deviation	6	84	175	97	503	524	336	277	93	363
Coefficient of Variation	0.26	0.62	0.55	0.68	0.87	0.77	0.50	0.56	0.31	1.00
Mercury (mg/kg)										
Count (No. Samples)	17	-	-	-	16	-	-	-	-	n/c
No. Nondetects	9	-	-	-	0	-	-	-	-	n/c
Percent Nondetects	53%	-	-	-	0%	-	-	-	-	n/c
Mean	0.043	-	-	-	0.233	-	-	-	-	n/c
Median	0.045	-	-	-	0.225	-	-	-	-	n/c
Minimum	0.021	-	-	-	0.110	-	-	-	-	n/c
Maximum	0.080	-	-	-	0.380	-	-	-	-	n/c
10th Percentile	0.027	-	-	-	0.130	-	-	-	-	n/c
25th Percentile	0.027	-	-	-	0.178	-	-	-	-	n/c
50th Percentile	0.045	-	-	-	0.225	-	-	-	-	n/c
75th Percentile	0.052	-	-	-	0.293	-	-	-	-	n/c
90th Percentile	0.062	-	-	-	0.315	-	-	-	-	n/c
Standard Deviation	0.017	-	-	-	0.078	-	-	-	-	n/c
Coefficient of Variation	0.39	-	-	-	0.33	-	-	-	-	n/c
Lipids (percent)										
Count (No. Samples)	17	16	18	16	16	15	16	15	16	145
Mean	1.0	0.5	0.8	0.6	1.1	1.4	1.6	1.4	1.6	1.1
Median	0.8	0.4	0.8	0.5	1.0	1.2	1.5	1.2	1.5	1.0
Minimum	0.4	0.2	0.2	0.2	0.3	0.8	0.7	0.7	0.7	0.2
Maximum	2.0	1.0	2.1	2.2	2.7	3.5	3.0	3.3	2.6	3.5
Standard Deviation	0.49	0.18	0.49	0.48	0.67	0.68	0.75	0.62	0.50	0.67
Coefficient of Variation	0.50	0.39	0.61	0.82	0.60	0.50	0.48	0.45	0.32	0.62
Fish Length (inches)										
Count (No. Samples)	17	16	18	16	16	15	16	15	16	145
Mean	14.2	11.4	15.8	12.7	16.3	17.2	16.6	16.7	18.0	15.4
Median	14.5	10.5	16.0	11.9	15.9	17.5	16.3	16.3	18.3	15.5
Minimum	10.8	8.5	10.5	10.0	11.0	13.3	12.8	14.0	16.0	8.5
Maximum	16.3	16.8	20.0	17.5	21.8	20.5	21.0	20.0	19.8	21.8
Standard Deviation	1.68	2.43	2.75	2.36	3.60	2.31	2.10	1.81	8.21	3.08
Coefficient of Variation	0.12	0.21	0.17	0.19	0.22	0.13	0.13	0.11	0.46	0.20

Table 3-3
Descriptive Summary Statistics for Fish Tissue Data

Smallmouth Bass	LWB	OU1	OU2A	OU2B	OU2C	OU3	OU4	OU5A	OU5B	ALL
Total PCBs (µg/kg)										
Count (No. Samples)	15	15	16	15	16	15	19	8	19	138
No. Nondetects	6	0	0	0	0	0	0	0	2	8
Percent Nondetects	40%	0%	0%	0%	0%	0%	0%	0%	11%	6%
Mean	29.6	212	255	208	187	197	442	319	360	250
Median	20	160	200	210	140	190	400	320	320	210
Minimum	<19	20	96	110	71	66	140	150	<19	<19
Maximum	70	540	530	320	470	370	950	460	1,200	1,200
10th Percentile	<19	53	120	124	76	107	194	199	53	27
25th Percentile	<19	89	140	160	79	150	325	235	180	110
50th Percentile	20	160	200	210	140	190	400	320	320	210
75th Percentile	27	335	310	260	285	225	460	405	515	360
90th Percentile	59	394	480	272	345	304	754	453	592	470
Standard Deviation	17	156	143	63	128	81	221	117	281	196
Coefficient of Variation	0.58	0.74	0.56	0.30	0.68	0.41	0.50	0.37	0.78	0.78
Lipids (percent)										
Count (No. Samples)	15	15	16	15	16	15	19	8	19	138
Mean	0.9	0.9	0.9	1.1	1.2	0.8	0.8	0.7	0.9	0.9
Median	1.0	0.7	0.8	1.2	1.1	0.8	0.8	0.6	0.8	0.8
Minimum	0.2	0.3	0.2	0.7	0.6	0.3	0.3	0.4	0.3	0.2
Maximum	1.7	2.0	2.9	1.8	2.2	1.4	2.3	1.2	2.4	2.9
Standard Deviation	0.40	0.53	0.63	0.24	0.58	0.32	0.46	0.31	0.53	0.48
Coefficient of Variation	0.43	0.60	0.72	0.21	0.50	0.41	0.56	0.44	0.58	0.52
Fish Length (inches)										
Count (No. Samples)	15	15	16	15	16	15	19	8	19	138
Mean	13.9	13.0	13.6	14.0	13.7	12.8	13.5	12.4	15.6	13.7
Median	14.3	13.0	13.4	14.0	13.9	12.8	13.1	12.2	16.7	13.5
Minimum	10.0	9.2	10.8	10.0	10.3	10.3	10.5	9.8	10.5	9.2
Maximum	16.5	18.0	18.0	18.5	16.8	15.5	18.7	16.1	19.5	19.5
Standard Deviation	1.97	2.45	2.07	2.37	1.93	1.58	2.20	1.81	2.35	2.24
Coefficient of Variation	0.14	0.19	0.15	0.17	0.14	0.12	0.16	0.15	0.15	0.16

Carp	LWB	OU1	OU2A	OU2B	OU2C	OU3	OU4	OU5A	OU5B	ALL
Total PCBs (µg/kg)										
Count (No. Samples)	6	6	5	5	6	6	6	6	5	51
No. Nondetects	0	0	0	0	0	0	0	0	0	0
Percent Nondetects	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Mean	36	1,917	4,120	1,200	988	972	4,600	780	337	1,648
Median	36	1,750	2,400	1,200	930	970	4,600	805	240	1,000
Minimum	28	300	2,100	800	670	590	2,800	480	72	28
Maximum	46	3,600	11,000	1,500	1,500	1,600	6,400	980	950	11,000
10th Percentile	29	900	2,140	920	685	595	3,100	600	73	46
25th Percentile	31	1,525	2,200	1,100	740	685	3,575	723	74	595
50th Percentile	36	1,750	2,400	1,200	930	970	4,600	805	240	1,000
75th Percentile	38	2,425	2,900	1,400	1,150	1,075	5,625	888	350	2,000
90th Percentile	42	3,100	7,760	1,460	1,350	1,350	6,100	935	710	3,600
Standard Deviation	7	1,113	3,858	274	319	373	1,404	178	362	1,981
Coefficient of Variation	0.18	0.58	0.94	0.23	0.32	0.38	0.31	0.23	1.07	1.20
Lipids (percent)										
Count (No. Samples)	6	6	5	5	6	6	6	6	5	51
Mean	4.2	6.7	6.6	3.9	5.3	3.3	4.6	4.1	4.5	4.8
Median	4.3	6.6	6.2	3.7	5.0	3.5	4.2	4.1	4.4	4.4
Minimum	3.5	1.4	5.9	3.5	4.4	1.5	3.5	2.9	2.5	1.4
Maximum	5.0	10.2	7.8	4.9	6.6	4.8	6.2	5.1	6.9	10.2
Standard Deviation	0.59	3.10	0.80	0.56	0.93	1.35	1.03	0.74	1.97	1.75
Coefficient of Variation	0.14	0.46	0.12	0.14	0.17	0.41	0.23	0.18	0.44	0.37
Fish Length (inches)										
Count (No. Samples)	19	26	23	25	30	30	26	16	9	204
Mean	15.1	19.7	19.8	18.9	19.6	18.1	19.7	13.6	13.7	18.2
Median	15.3	20.5	19.5	19.3	19.5	18.1	20.0	13.6	13.5	19.0
Minimum	13.0	13.0	18.0	16.5	18.0	15.5	15.5	11.8	11.5	11.5
Maximum	17.0	21.8	21.5	20.0	22.0	20.0	21.5	15.3	17.5	22.0
Standard Deviation	1.15	2.40	1.01	1.05	1.02	1.29	1.54	0.74	1.98	2.58
Coefficient of Variation	0.08	0.12	0.05	0.06	0.05	0.07	0.08	0.05	0.14	0.14

Table 3-3
Descriptive Summary Statistics for Fish Tissue Data

Drum	LWB	OU1	OU2A	OU2B	OU2C	OU3	OU4	OU5A	OU5B	ALL
Total PCBs (µg/kg)										
Count (No. Samples)	6	6	5	5	5	5	6	6	5	49
No. Nondetects	0	0	0	0	0	0	0	0	0	0
Percent Nondetects	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Mean	175	450	1,268	728	1,082	1,292	1,347	1,392	1,490	1,010
Median	170	445	1,100	580	1,100	1,400	1,250	1,450	1,300	940
Minimum	110	160	770	310	590	460	740	950	750	110
Maximum	250	650	2,300	1,300	1,700	2,000	2,300	1,700	2,100	2,300
10th Percentile	130	265	810	406	602	516	840	1,075	930	196
25th Percentile	153	383	870	550	620	600	955	1,250	1,200	550
50th Percentile	170	445	1,100	580	1,100	1,400	1,250	1,450	1,300	940
75th Percentile	195	590	1,300	900	1,400	2,000	1,575	1,575	2,100	1,400
90th Percentile	225	640	1,900	1,140	1,580	2,000	1,950	1,650	2,100	2,000
Standard Deviation	47.6	181.2	612.5	382.5	484.5	739.1	574.5	276.4	594.1	625.1
Coefficient of Variation	0.27	0.40	0.48	0.53	0.45	0.57	0.43	0.20	0.40	0.62
Lipids (percent)										
Count (No. Samples)	6	6	5	5	5	5	6	6	5	49
Mean	9.9	4.0	4.6	4.3	7.2	7.2	4.6	5.2	7.3	6.0
Median	10.2	3.5	4.5	3.8	7.9	5.4	4.8	5.1	7.4	5.2
Minimum	3.8	0.9	2.2	1.9	2.4	2.5	0.1	3.7	3.8	0.1
Maximum	17.2	8.9	7.4	7.2	11.7	11.9	8.5	6.7	10.3	17.2
Standard Deviation	5.50	2.92	1.84	1.93	3.41	4.12	2.98	1.01	2.90	3.53
Coefficient of Variation	0.56	0.74	0.40	0.45	0.47	0.57	0.64	0.20	0.39	0.59
Fish Length (inches)										
Count (No. Samples)	29	20	25	25	23	21	28	28	15	214
Mean	16.6	15.2	15.3	16.4	17.4	15.9	15.7	13.8	16.1	15.8
Median	17.0	15.0	15.0	16.3	17.0	15.6	16.0	13.8	15.8	15.5
Minimum	12.5	12.3	12.0	12.3	12.0	12.3	12.3	10.8	12.3	10.8
Maximum	22.0	20.3	20.0	20.3	22.0	21.0	18.5	16.8	20.5	22.0
Standard Deviation	3.48	2.49	2.49	2.40	2.80	2.50	1.85	1.57	2.69	2.65
Coefficient of Variation	0.21	0.16	0.16	0.15	0.16	0.16	0.12	0.11	0.17	0.17

Gizzard Shad	LWB	OU1	OU2A	OU2B	OU2C	OU3	OU4	OU5A	OU5B	ALL
Total PCBs (µg/kg)										
Count (No. Samples)	6	2	3	7	5	6	6	6	6	47
No. Nondetects	1	0	0	0	1	0	0	0	0	2
Percent Nondetects	17%	0%	0%	0%	20%	0%	0%	0%	0%	4%
Mean	25	895	343	102	114	427	938	325	283	342
Median	26	895	300	98	100	400	845	335	285	250
Minimum	19	790	180	89	19	190	250	260	230	19
Maximum	33	1,000	550	130	190	870	1,800	360	350	1,800
10th Percentile	20	811	204	90	47	195	420	285	235	28
25th Percentile	21	843	240	92	90	243	630	313	250	99
50th Percentile	26	895	300	98	100	400	845	335	285	250
75th Percentile	28	948	425	105	170	483	1,210	350	305	365
90th Percentile	31	979	500	118	182	685	1,550	355	330	822
Standard Deviation	5.4	148.5	188.8	14.4	68.4	250.0	548.4	37.3	44.6	361.9
Coefficient of Variation	0.21	0.17	0.55	0.14	0.60	0.59	0.58	0.11	0.16	1.06
Lipids (percent)										
Count (No. Samples)	6	2	3	7	5	6	6	6	6	47
Mean	4.9	5.1	2.0	2.1	1.5	2.3	1.7	1.4	4.7	2.7
Median	5.7	5.1	2.1	2.0	1.2	2.3	1.6	1.5	4.7	2.0
Minimum	0.6	3.9	0.9	0.9	0.8	1.5	0.7	1.1	4.4	0.6
Maximum	7.0	6.3	3.1	3.8	2.2	3.4	3.1	1.7	5.3	7.0
Standard Deviation	2.38	1.63	1.12	0.90	0.59	0.81	0.79	0.24	0.35	1.74
Coefficient of Variation	0.49	0.32	0.55	0.43	0.40	0.35	0.47	0.17	0.07	0.64
Fish Length (inches)										
Count (No. Samples)	149	9	37	174	70	111	138	148	117	953
Mean	4.5	4.5	2.8	3.1	3.3	3.7	2.7	2.5	4.5	3.4
Median	4.5	4.5	2.5	2.5	2.5	4.5	2.5	2.5	4.5	2.5
Minimum	2	3	2	2	2	2	2	2	3	2
Maximum	6	6	6	6	6	6	6	3	6	6
Standard Deviation	n/c	n/c	n/c	n/c	n/c	n/c	n/c	n/c	n/c	n/c
Coefficient of Variation	n/c	n/c	n/c	n/c	n/c	n/c	n/c	n/c	n/c	n/c

Notes:
n/c = Not Calculated

Table 3-4
Statistical Distribution Test Results for Fish Tissue Data

Normal Goodness-of-Fit Test (Probability Plot Regression)

	LWB	OU1	OU2A	OU2B	OU2C	OU3	OU4	OU5A	OU5B
WALLEYE	NORMAL 0.91	NORMAL 0.92	NORMAL 0.91	*NORMAL 0.91*	(NORMAL) 0.80	NON-PARA 0.78	NORMAL 0.92	*NORMAL 0.93*	NORMAL 0.97
BASS	(NORMAL) 0.89	NORMAL 0.94	(NORMAL) 0.88	NORMAL 0.97	(NORMAL) 0.86	NORMAL 0.96	(NORMAL) 0.87	NORMAL 0.92	(NORMAL) 0.88
CARP	NORMAL 0.92	NORMAL 0.96	Small Sample	NORMAL 0.97	NORMAL 0.94	NORMAL 0.91	NORMAL 0.98	NORMAL 0.92	(NORMAL) 0.80
DRUM	NORMAL 0.98	NORMAL 0.94	(NORMAL) 0.83	NORMAL 0.94	NORMAL 0.94	(NORMAL) 0.88	NORMAL 0.92	NORMAL 0.96	NORMAL 0.90
GIZZARD SHAD	NORMAL 0.95	Small Sample	Small Sample	(NORMAL) 0.84	NORMAL 0.95	(NORMAL) 0.88	NORMAL 0.98	(NORMAL) 0.88	NORMAL 0.97

NORMAL TEST RESULTS

28 NORMAL
13 NEAR NORMAL
1 NONPARAMETRIC

Lognormal Goodness-of-Fit Test (Probability Plot Regression)

	LWB	OU1	OU2A	OU2B	OU2C	OU3	OU4	OU5A	OU5B
WALLEYE	LOGNORM 0.90	LOGNORM 0.94	LOGNORM 0.97	NON-PARA 0.78	LOGNORM 0.96	LOGNORM 0.91	LOGNORM 0.99	LOGNORM 0.96	LOGNORM 0.95
BASS	LOGNORM 0.91	LOGNORM 0.96	LOGNORM 0.96	LOGNORM 0.94	LOGNORM 0.90	LOGNORM 0.95	LOGNORM 0.95	LOGNORM 0.92	(LOGNORM) 0.87
CARP	LOGNORM 0.93	(LOGNORM) 0.82	Small Sample	LOGNORM 0.93	LOGNORM 0.97	LOGNORM 0.93	LOGNORM 0.97	(LOGNORM) 0.87	LOGNORM 0.93
DRUM	LOGNORM 0.98	(LOGNORM) 0.85	LOGNORM 0.92	LOGNORM 0.97	LOGNORM 0.92	(LOGNORM) 0.87	LOGNORM 0.96	LOGNORM 0.92	LOGNORM 0.91
GIZZARD SHAD	LOGNORM 0.95	Small Sample	Small Sample	(LOGNORM) 0.87	(LOGNORM) 0.83	LOGNORM 0.94	LOGNORM 0.96	(LOGNORM) 0.85	LOGNORM 0.97

Notes:

R^2 value provided below each distribution determination

NORMAL or LOGNORMAL = R^2 value greater than 0.9

NORMAL or LOGNORMAL = R^2 value greater than 0.9 w/ one outlier removed ("Near")

(NORMAL) or (LOGNORMAL) = R^2 value greater than 0.8 and less than 0.9 ("Near")

NON-PARA = R^2 value less than 0.8 = nonparametric

LOGNORMAL TEST RESULTS

33 LOGNORMAL
8 NEAR LOGNORMAL
1 NONPARAMETRIC

Table 3-5
Two-Variable Regression Results – Fish Tissue PCBs versus Lipids and Length

		Walleye		Bass		Drum		Carp		Gizzard Shad	
		Length	Lipids	Length	Lipids	Length	Lipids	Length	Lipids	Length	Lipids
LWB	N	17		15		6		6		6	
	R^2	0.853		0.381		0.036		0.871		0.958	
	Coefficient	1.0	9.2	5.6	2.2	3.8	-1.0	4.6	3.4	-5.3	3.6
	Standard Error	0.5	1.6	2.1	10.3	26.1	17.6	1.2	2.4	1.6	0.5
	P (2 Tail)	0.041	0.000	0.022	0.835	0.894	0.960	0.033	0.252	0.042	0.007
OU1	N	16		15		6		6		2	
	R^2	0.339		0.650		0.880		0.443		-	
	Coefficient	13.4	-218	14.4	187	231	-154	81.5	171	-	-
	Standard Error	7.8	108	15.1	70.2	96.5	86.3	331	307	-	-
	P (2 Tail)	0.110	0.063	0.361	0.021	0.097	0.172	0.822	0.616	-	-
OU2A	N	18		16		5		5		3	
	R^2	0.183		0.593		0.032		0.782		-	
	Coefficient	36.7	-238	31.5	77.8	49.7	-17.8	364	4161	-	-
	Standard Error	23.3	131	21.9	71.5	268	390	1123	1598	-	-
	P (2 Tail)	0.136	0.090	0.175	0.296	0.870	0.968	0.776	0.121	-	-
OU2B	N	16		15		5		5		7	
	R^2	0.830		0.787		0.994		0.495		0.276	
	Coefficient	5.7	166	7.6	189	-38.0	240	192	-169	3.4	5.4
	Standard Error	6.4	31.4	4.0	39.0	17.1	22.7	137	269	9.1	9.9
	P (2 Tail)	0.390	0.000	0.082	0.000	0.156	0.009	0.297	0.595	0.731	0.618
OU2C	N	16		16		5		6		5	
	R^2	0.478		0.397		0.972		0.661		0.930	
	Coefficient	32.8	358	6.1	132	222	-69.8	-18.9	291	0.2	111
	Standard Error	55.1	296	14.9	50.0	72.7	67.7	123	138	17.6	32.6
	P (2 Tail)	0.562	0.248	0.689	0.020	0.093	0.411	0.888	0.126	0.991	0.076
OU3	N	15		15		5		6		6	
	R^2	0.284		0.801		0.883		0.801		0.682	
	Coefficient	62.5	300	17.9	150	-92.5	221	-132	369	407	-331
	Standard Error	57.7	196	10.3	50.1	170	108	196	200	246	332
	P (2 Tail)	0.300	0.153	0.107	0.011	0.640	0.178	0.547	0.162	0.196	0.392
OU4	N	16		19		6		6		6	
	R^2	0.183		0.501		0.716		0.677		0.980	
	Coefficient	-7.4	196	14.5	321	-18.1	173	676	763	283	406
	Standard Error	41.4	116	18.0	85.7	177	117	273	581	53.1	69.4
	P (2 Tail)	0.861	0.115	0.430	0.002	0.925	0.235	0.089	0.281	0.013	0.010
OU5A	N	15		8		6		6		6	
	R^2	0.748		0.835		0.646		0.519		0.652	
	Coefficient	-52.5	414	31.1	322	150	-55.7	-173	-43.0	-	124
	Standard Error	23.9	69.4	11.9	70.3	90.2	157	156	188	-	45.2
	P (2 Tail)	0.048	0.000	0.047	0.006	0.194	0.746	0.349	0.834	-	0.052
OU5B	N	16		19		5		5		6	
	R^2	0.703		0.888		0.956		0.541		0.002	
	Coefficient	-4.8	157	63.3	299	26.3	175	63.6	79.0	-	-5.4
	Standard Error	13.2	28.9	11.4	50.4	111	110	87.9	104	-	63.1
	P (2 Tail)	0.721	0.000	0.000	0.000	0.835	0.252	0.545	0.527	-	0.936

Notes:

$P < 0.05$

$0.05 < P < 0.1$

Table 4-1
Water Quality Field and Analytical Parameters

OU	SAMPLE ID	DATE	FLOW (fps)	TEMP (°C)	TOC (%)	TSS (mg/L)	Total PCB (Uncorr.)	Total PCB (Blank Corr.)
LW	LWB-06-0815	8/15/2006	1,370	23.0	8.4	17	0.48	0.14
	LWB-06-0911	9/11/2006	1,050	18.1	14.0	23	1.14	0.80
	LWB-06-1003	10/3/2006	2,880	15.1	12.0	21	0.65	0.22
	LWB-06-1101	11/1/2006	2,270	5.3	11.0	20	0.56	0.17
	LWB-07-0104	1/4/2007	6,270	0.5	11.0	40	0.42	0.13
	LWB-07-0212	2/12/2007	ND	0.9	9.1	1	0.22	0.03
	LWB-07-0306	3/6/2007	2,970	1.6	10.0	1	0.15	0.00
	LWB-07-0402	4/2/2007	9,200	5.0	8.4	25	0.56	0.28
	LWB-07-0501	5/1/2007	4,790	12.6	6.9	11	0.31	0.10
	LWB-07-0601	6/1/2007	1,080	21.0	9.1	5	0.30	0.08
	LWB-07-0702	7/2/2007	1,370	22.9	7.5	16	0.31	0.10
OU1	OU1-06-0815	8/15/2006	1,370	24.1	9.5	32	11.29	10.77
	OU1-06-0912	9/12/2006	1,090	16.3	11.0	25	9.55	9.04
	OU1-06-1004	10/4/2006	3,980	16.3	12.0	20	5.46	4.96
	OU1-06-1102	11/2/2006	2,210	4.1	11.0	8	2.48	1.98
	OU1-06-1219	12/19/2006	2,470	0.7	9.5	5	0.43	0.19
	OU1-07-0103	1/3/2007	5,740	0.2	7.6	10	0.45	0.16
	OU1-07-0213	2/13/2007	ND	0.1	13.0	2	0.40	0.17
	OU1-07-0319	3/19/2007	7,560	3.1	8.6	5	0.91	0.62
	OU1-07-0403	4/3/2007	9,250	5.9	9.6	19	1.68	1.38
	OU1-07-0502	5/2/2007	5,630	13.7	7.4	9	3.34	3.02
	OU1-07-0604	6/4/2007	1,380	22.4	9.1	8	5.70	5.35
	OU1-07-0703	7/3/2007	1,510	22.4	8.3	63	10.48	10.08
OU2A	OU2A-06-0816	8/16/2006	1,300	24.2	9.5	34	12.11	11.59
	OU2A-06-912	9/12/2006	1,090	17.2	12.0	27	6.70	6.20
	OU2A-06-1004	10/4/2006	3,980	16.6	10.0	26	6.49	5.98
	OU2A-06-1102	11/2/2006	2,210	4.6	9.3	6	2.68	2.19
	OU2A-06-1221	12/21/2006	2,470	3.8	8.6	3	0.42	0.19
	OU2A-07-0108	1/8/2007	7,210	0.8	8.1	19	0.42	0.13
	OU2A-07-0213	2/13/2007	ND	0.2	10.0	2	0.43	0.20
	OU2A-07-0319	3/19/2007	7,560	3.8	9.5	5	0.88	0.60
	OU2A-07-0403	4/3/2007	9,250	6.1	9.9	23	1.84	1.53
	OU2A-07-0502	5/2/2007	5,630	13.7	5.7	14	3.69	3.33
	OU2A-07-0604	6/4/2007	1,380	21.9	10.0	4	3.75	3.45
	OU2A-07-0703	7/3/2007	1,510	23.5	9.1	57	11.01	10.65
OU2B	OU2B-06-0818	8/18/2006	1,260	24.2	8.7	29	13.05	12.54
	OU2B-06-913	9/13/2006	1,080	17.7	11.0	23	7.27	6.76
	OU2B-06-1005	10/5/2006	4,590	15.8	13.0	24	7.99	7.47
	OU2B-06-1103	11/3/2006	2,240	4.2	9.9	4	2.58	2.09
	OU2B-07-0214	2/14/2007	ND	0.2	11.0	2	0.43	0.23
	OU2B-07-0320	3/20/2007	7,190	3.2	8.7	7	1.30	1.00
	OU2B-07-0404	4/4/2007	8,760	5.2	9.0	27	2.21	1.89
	OU2B-07-0503	5/3/2007	6,430	13.9	6.2	22	5.09	4.71
	OU2B-07-0605	6/5/2007	1,260	20.8	8.7	11	4.10	3.78
	OU2BD-07-0705	7/5/2007	1,520	24.0	7.6	40	7.57	7.22

Table 4-1
Water Quality Field and Analytical Parameters

OU	SAMPLE ID	DATE	FLOW (fps)	TEMP (°C)	TOC (%)	TSS (mg/L)	Total PCB (Uncorr.)	Total PCB (Blank Corr.)
OU2C	OU2C-06-0816	8/16/2006	1,300	25.2	11.0	42	11.04	10.53
	OU2C-06-913	9/13/2006	1,080	17.9	14.0	32	6.58	6.07
	OU2C-06-1005	10/5/2006	4,590	16.1	12.0	31	8.67	8.15
	OU2C-06-1103	11/3/2006	2,240	4.4	10.0	3	2.42	1.93
	OU2C-06-1219	12/19/2006	2,470	1.2	9.7	3	0.88	0.57
	OU2C-07-0108	1/8/2007	7,210	0.9	9.5	15	1.25	0.92
	OU2C-07-0214	2/14/2007	ND	-0.1	11.0	1	0.46	0.24
	OU2C-07-0320	3/20/2007	7,190	3.3	9.6	7	1.25	0.95
	OU2C-07-0404	4/4/2007	8,760	5.4	8.3	26	2.24	1.93
	OU2C-07-0503	5/3/2007	6,430	14.2	6.6	27	4.88	4.48
	OU2C-07-0608	6/8/2007	1,560	21.2	9.4	9	3.77	3.44
	OU2C-07-0705	7/5/2007	1,520	24.3	7.0	37	14.93	14.51
OU3	OU3-06-0817	8/17/2006	1,340	24.9	8.4	33	15.39	14.88
	OU3-06-914	9/14/2006	1,210	17.2	13.0	30	8.97	8.44
	OU3-06-1006	10/6/2006	4,150	18.1	13.0	24	8.49	7.96
	OU3-06-1106	11/6/2006	2,280	4.8	10.0	3	2.74	2.24
	OU3-06-1228	12/28/2006	4,760	0.4	10.0	4	1.26	0.93
	OU3-07-0103	1/3/2007	5,740	0.9	8.3	9	0.95	0.64
	OU3-07-0215	2/15/2007	ND	-0.1	11.0	2	0.55	0.32
	OU3-07-0321	3/21/2007	7,280	3.7	9.0	6	1.64	1.40
	OU3-07-0405	4/5/2007	8,770	4.0	9.3	21	2.64	2.30
	OU3-07-0504	5/4/2007	6,130	14.4	6.1	21	6.45	6.05
	OU3-07-0608	6/8/2007	1,560	21.2	10.0	14	7.88	7.48
	OU3-07-0706	7/6/2007	1,490	24.2	7.7	29	11.81	11.38
OU4	OU4-06-0817	8/17/2006	1,340	25.0	8.8	66	82.29	81.74
	OU4-06-0914	9/14/2006	1,210	18.2	15.0	49	55.41	54.87
	OU4-06-1017	10/17/2006	2,970	8.4	10.0	15	18.96	18.42
	OU4-06-1106	11/6/2006	2,280	5.3	11.0	5	12.24	11.71
	OU4-06-1218	12/18/2006	2,640	ND	11.0	4	2.24	1.91
	OU4-07-0104	1/4/2007	6,270	1.6	8.8	11	3.64	3.29
	OU4-07-0216	2/16/2007	ND	0.4	9.3	1	1.99	1.72
	OU4-07-0321	3/21/2007	7,280	3.9	8.4	9	8.12	7.75
	OU4-07-0405	4/5/2007	8,770	4.1	8.0	25	11.39	10.99
	OU4-07-0504	5/4/2007	6,130	14.9	6.7	27	38.15	37.70
	OU4-07-0608	6/8/2007	1,560	21.5	9.0	18	44.79	44.35
	OU4-07-0706	7/6/2007	1,490	25.2	8.2	65	61.61	61.17

Table 4-1
Water Quality Field and Analytical Parameters

OU	SAMPLE ID	DATE	FLOW (fps)	TEMP (°C)	TOC (%)	TSS (mg/L)	Total PCB (Uncorr.)	Total PCB (Blank Corr.)
OU5A	OU5A-06-0822-A,C,E	8/22/2006	NA	22.7	4.3	6.3	3.52	3.06
	OU5A-06-0822-B,D,F	8/22/2006	NA	22.0	4.4	7.2	2.76	2.31
	OU5A-06-916-A,C,E	9/16/2006	NA	17.8	7.3	7.8	1.84	1.35
	OU5A-06-916-B,D,F	9/16/2006	NA	17.8	8.5	8.0	1.86	1.38
	OU5A-06-1016-A,C,E	10/16/2006	NA	8.8	4.4	9.4	3.39	2.89
	OU5A-06-1016-B,D,F	10/16/2006	NA	8.4	4.3	9.8	3.15	2.65
	OU5A-06-1107-A,C,E	11/7/2006	NA	5.7	5.8	6.6	2.12	1.65
	OU5A-06-1107-B,D,F	11/7/2006	NA	5.6	5.3	7.2	2.38	1.89
	OU5A-06-1227-A,C	12/27/2006	NA	0.8	4.4	4.0	1.22	0.92
	OU5A-06-1227-B,D	12/27/2006	NA	0.8	4.3	4.2	1.14	0.85
	OU5A-07-0131-A,E	1/31/2007	NA	0.0	5.3	1.2	1.45	1.18
	OU5A-07-0131-B,F	1/31/2007	NA	0.2	4.9	ND	1.71	1.44
	OU5A-07-0216-A,C,E	2/16/2007	NA	0.2	5.5	1.2	1.58	1.33
	OU5A-07-0216-B,D,F	2/16/2007	NA	0.7	5.9	1.6	1.67	1.40
	OU5A-07-0302-A,C,E	3/2/2007	NA	0.2	5.7	1.0	1.53	1.25
	OU5A-07-0302-B,D,F	3/2/2007	NA	1.8	6.6	0.9	1.38	1.10
	OU5A-07-0416-A,C,E	4/16/2007	NA	3.9	4.2	6.4	1.81	1.52
	OU5A-07-0416-B,D,F	4/16/2007	NA	3.7	3.4	6.5	1.91	1.60
	OU5A-07-0508-A,C,E	5/8/2007	NA	13.0	4.3	5.4	4.06	3.72
	OU5A-07-0508-B,D,F	5/8/2007	NA	12.7	4.7	5.8	4.02	3.68
	OU5A-07-0609-A,C,E	6/9/2007	NA	18.3	4.1	5.3	3.18	2.85
	OU5A-07-0609-B,D,F	6/9/2007	NA	17.9	5.0	6.4	3.36	3.02
	OU5A-07-0709-A,C,E	7/9/2007	NA	23.9	4.3	4.6	1.87	1.58
	OU5A-07-0709-B,D,F	7/9/2007	NA	22.8	2.6	3.6	2.97	2.65
OU5B	OU5B-06-0822-A,C2,E	8/22/2006	NA	21.5	3.3	2.2	0.83	0.44
	OU5B-06-0822-B,C1,F	8/22/2006	NA	18.6	3.0	2.2	1.35	0.90
	OU5B-06-916-A,C,E	9/16/2006	NA	19.2	7.8	2.6	3.75	3.25
	OU5B-06-916-B,D,F	9/16/2006	NA	19.2	8.9	2.7	3.76	3.26
	OU5B-06-1016-A,C,E	10/16/2006	NA	11.2	6.2	6.8	2.29	1.83
	OU5B-06-1016-B,D,F	10/16/2006	NA	11.0	3.1	7.4	2.35	1.87
	OU5B-06-1107-A,C,E	11/7/2006	NA	6.9	6.8	4.9	1.40	0.95
	OU5B-06-1107-B,D,F	11/7/2006	NA	6.9	4.5	5.3	1.58	1.10
	OU5B-07-0220-C,E	2/20/2007	NA	0.3	3.4	1.2	0.91	0.67
	OU5B-07-0220-D,F	2/20/2007	NA	0.4	4.2	1.2	0.91	0.66
	OU5B-07-0307-A,C	3/7/2007	NA	-0.1	3.9	0.8	1.02	0.71
	OU5B-07-0307-B,D	3/7/2007	NA	0.6	3.8	0.8	0.74	0.48
	OU5B-07-0416-A,C,E	4/16/2007	NA	2.2	3.3	1.9	0.74	0.48
	OU5B-07-0416-B,D,F	4/16/2007	NA	2.2	3.5	1.9	0.80	0.53
	OU5B-07-0508-A,C,E	5/8/2007	NA	10.3	3.2	1.0	0.69	0.42
	OU5B-07-0508-B,D,F	5/8/2007	NA	8.8	2.4	1.3	0.88	0.59
	OU5B-07-0609-A,C,E	6/9/2007	NA	16.2	4.3	2.2	0.93	0.64
	OU5B-07-0609-B,D,F	6/9/2007	NA	15.1	4.6	2.4	0.83	0.55
	OU5B-07-0709-A,B,C,E	7/9/2007	NA	22.5	3.5	2.2	0.67	0.41
	OU5B-07-0709-D,F	7/9/2007	NA	9.5	3.0	1.6	1.19	0.92

Table 4-1
Water Quality Field and Analytical Parameters

OU	SAMPLE ID	DATE	FLOW (fps)	TEMP (°C)	TOC (%)	TSS (mg/L)	Total PCB (Uncorr.)	Total PCB (Blank Corr.)
OU5C	OU5C-06-0821-A,C,E	8/21/2006	NA	20.7	3.7	1.7	0.77	0.40
	OU5C-06-0821-B,D,F	8/21/2006	NA	10.3	2.5	1.3	1.05	0.64
	OU5C-06-0915-A,B,C,E	9/15/2006	NA	19.3	7.3	1.4	0.72	0.30
	OU5C-06-0915-D,D2,F	9/15/2006	NA	13.4	7.4	1.7	1.14	0.68
	OU5C-06-1010-A,C,E	10/10/2006	NA	15.2	4.6	2.8	0.53	0.15
	OU5C-06-1010-B,D,F	10/10/2006	NA	14.9	3.7	2.7	0.54	0.16
	OU5C-06-1104-A,C,E	11/4/2006	NA	8.2	5.2	4.2	1.47	1.02
	OU5C-06-1104-B,D,F	11/4/2006	NA	8.2	4.4	4.2	1.15	0.69
	OU5C-07-0219-C,E	2/19/2007	NA	0.2	2.5	0.4	0.42	0.19
	OU5C-07-0219-D,F	2/19/2007	NA	0.2	2.9	0.6	0.36	0.16
	OU5C-07-0305-A,C	3/5/2007	NA	0.1	2.3	0.5	0.39	0.17
	OU5C-07-0305-B,D	3/5/2007	NA	0.4	2.1	0.6	0.37	0.15
	OU5C-07-0416-A,C,E	4/16/2007	NA	1.9	3.9	1.0	0.56	0.31
	OU5C-07-0416-B,D,F	4/16/2007	NA	1.9	2.9	0.9	0.53	0.29
	OU5C-07-0509-A,C,E	5/9/2007	NA	9.4	2.8	1.0	0.63	0.36
	OU5C-07-0509-B,D,F	5/9/2007	NA	6.3	3.0	1.0	0.80	0.53
	OU5C-07-0610-A,C,E	6/10/2007	NA	14.3	2.8	1.6	0.59	0.33
	OU5C-07-0610-B,D,F	6/10/2007	NA	12.6	4.5	1.2	0.52	0.34
	OU5C-07-0710-A,C,E	7/10/2007	NA	21.4	2.5	2.0	0.45	0.21
	OU5C-07-0710-B,D,F	7/10/2007	NA	11.7	2.6	0.9	0.45	0.22

Notes:
ND = No data
NA = Not applicable

Table 4-2
Order of Analysis for PCB Congeners

06AUG

Sample	Date/Time
OU2B	10/4/2006 1:39:00 AM
LWB	10/4/2006 2:44:00 AM
OU1	10/4/2006 3:49:00 AM
OU2A	10/4/2006 4:54:00 AM
OU2C	10/4/2006 5:59:00 AM
OU4	10/4/2006 7:03:00 AM
OU3	10/4/2006 8:08:00 AM
OU5A-s	10/4/2006 3:13:00 PM
OU5A-d	10/4/2006 4:17:00 PM
OU5C-s	10/4/2006 5:22:00 PM
OU5C-d	10/4/2006 8:01:00 PM
OU5B-s	10/4/2006 9:06:00 PM
OU5B-d	10/5/2006 11:59:00 PM

06SEP

Sample	Date/Time
LWB	11/7/2006 5:59:00 PM
OU1	11/7/2006 7:04:00 PM
OU2B	11/7/2006 9:14:00 PM
OU2C	11/7/2006 10:19:00 PM
OU3	11/8/2006 4:16:00 PM
OU4	11/8/2006 5:21:00 PM
OU5C-s	11/9/2006 11:37:00 AM
OU5C-d	11/9/2006 12:42:00 PM
OU5B-s	11/9/2006 1:47:00 PM
OU5B-d	11/9/2006 2:52:00 PM
OU5A-s	11/9/2006 3:57:00 PM
OU5A-d	11/9/2006 5:04:00 PM
OU2A	11/10/2006 4:56:00 PM

06OCT

Sample	Date/Time
LWB	11/22/2006 6:08:00 AM
OU1	11/22/2006 6:13:00 PM
OU2B	11/22/2006 7:18:00 PM
OU2C	11/22/2006 8:23:00 PM
OU3	11/22/2006 9:28:00 PM
OU5C-s	11/24/2006 7:09:00 AM
OU5C-d	11/24/2006 8:14:00 AM
OU5A-s	11/24/2006 9:19:00 AM
OU5A-d	11/24/2006 10:23:00 AM
OU2A	11/24/2006 2:27:00 PM
OU5B-s	11/24/2006 3:32:00 PM
OU5B-d	11/24/2006 4:37:00 PM
OU4	11/24/2006 5:42:00 PM

06NOV

Sample	Date/Time
LWB	12/11/2006 5:17:00 PM
OU1	12/11/2006 7:26:00 PM
OU2A	12/11/2006 8:31:00 PM
OU2B	12/11/2006 9:36:00 PM
OU2C	12/12/2006 5:04:00 AM
OU3	12/12/2006 6:09:00 AM
OU4	12/12/2006 8:19:00 AM
OU5C-s	12/12/2006 1:24:00 PM
OU5C-d	12/12/2006 2:29:00 PM
OU5B-s	12/12/2006 3:34:00 PM
OU5B-d	12/12/2006 4:39:00 PM
OU5A-s	12/12/2006 5:44:00 PM
OU5A-d	12/12/2006 6:49:00 PM

06DEC

Sample	Date/Time
OU5A-s	2/1/2007 1:37:00 AM
OU5A-d	2/1/2007 2:41:00 AM
OU1	2/1/2007 3:47:00 AM
OU2A	2/1/2007 4:51:00 AM
OU2C	2/1/2007 3:12:00 PM
OU3	2/1/2007 4:54:00 PM
OU4	2/2/2007 1:15:00 AM

07JAN

Sample	Date/Time
OU1	2/2/2007 8:11:00 AM
LWB	2/2/2007 9:16:00 AM
OU3	2/2/2007 1:27:00 PM
OU4	2/2/2007 2:32:00 PM
OU2A	2/2/2007 4:14:00 PM
OU2C	2/2/2007 5:19:00 PM
OU5A-s	3/27/2007 4:35:00 PM
OU5A-d	3/27/2007 5:37:00 PM

07FEB

Sample	Date/Time
LWB	3/27/2007 6:38:00 PM
OU1	3/27/2007 7:40:00 PM
OU2A	3/27/2007 8:42:00 PM
OU2B	3/27/2007 9:43:00 PM
OU2C	3/27/2007 10:45:00 PM
OU3	3/28/2007 3:14:00 AM
OU4	3/28/2007 4:16:00 AM
OU5A-s	3/28/2007 5:17:00 AM
OU5A-d	3/28/2007 6:19:00 AM
OU5C-s	3/28/2007 7:21:00 AM
OU5C-d	3/28/2007 8:22:00 AM
OU5B-s	3/28/2007 9:24:00 AM
OU5B-d	3/28/2007 10:26:00 AM

07MAR

Sample	Date/Time
LWB	4/4/2007 2:45:00 PM
OU5A-s	4/4/2007 4:26:00 PM
OU5A-d	4/4/2007 5:28:00 PM
OU5C-s	4/4/2007 6:29:00 PM
OU5C-d	4/4/2007 7:31:00 PM
OU1	4/5/2007 8:43:00 AM
OU2A	4/5/2007 12:23:00 PM
OU2B	4/5/2007 1:24:00 PM
OU2C	4/5/2007 2:26:00 PM
OU4	4/5/2007 3:28:00 PM
OU3	4/5/2007 6:32:00 PM
OU5B-s	4/5/2007 7:34:00 PM
OU5B-d	4/5/2007 8:36:00 PM

Table 4-2
Order of Analysis for PCB Congeners

07APR

Sample	Date/Time
LWB	5/9/2007 7:20:00 PM
OU1	5/9/2007 8:22:00 PM
OU2A	5/9/2007 9:23:00 PM
OU2C	5/10/2007 3:01:00 AM
OU2B	5/10/2007 5:05:00 AM
OU3	5/10/2007 6:06:00 AM
OU4	5/10/2007 7:08:00 AM
OU5A-s	5/10/2007 8:10:00 AM
OU5A-d	5/10/2007 9:12:00 AM
OU5B-s	5/11/2007 1:47:00 AM
OU5B-d	5/11/2007 2:49:00 AM
OU5C-s	5/11/2007 3:51:00 AM
OU5C-d	5/11/2007 4:52:00 AM

07MAY

Sample	Date/Time
LWB	6/12/2007 6:48:00 PM
OU1	6/13/2007 1:32:00 AM
OU2A	6/13/2007 2:33:00 AM
OU2B	6/13/2007 3:35:00 AM
OU2C	6/13/2007 4:37:00 AM
OU3	6/13/2007 5:38:00 AM
OU4	6/13/2007 6:40:00 AM
OU5A-s	6/13/2007 7:42:00 AM
OU5A-d	6/13/2007 8:44:00 AM
OU5B-s	6/13/2007 4:47:00 PM
OU5B-d	6/13/2007 5:49:00 PM
OU5C-s	6/13/2007 6:51:00 PM
OU5C-d	6/13/2007 7:52:00 PM

07JUN

Sample	Date/Time
LWB	7/17/2007 4:45:00 AM
OU1	7/17/2007 5:47:00 AM
OU2A	7/17/2007 6:49:00 AM
OU2B	7/17/2007 7:50:00 AM
OU2C	7/17/2007 2:59:00 PM
OU3	7/17/2007 4:01:00 PM
OU4	7/17/2007 5:03:00 PM
OU5A-s	7/17/2007 6:04:00 PM
OU5A-d	7/17/2007 7:06:00 PM
OU5B-s	7/17/2007 8:08:00 PM
OU5B-d	7/18/2007 1:50:00 AM
OU5C-s	7/18/2007 2:52:00 AM
OU5C-d	7/18/2007 3:53:00 AM

07JUL

Sample	Date/Time
LWB	9/11/2007 3:45:00 AM
OU1	9/11/2007 4:47:00 AM
OU2A	9/11/2007 5:48:00 AM
OU2B	9/11/2007 6:50:00 AM
OU2C	9/11/2007 3:08:00 PM
OU3	9/11/2007 4:10:00 PM
OU4	9/11/2007 5:12:00 PM
OU5A-s	9/11/2007 6:13:00 PM
OU5A-d	9/12/2007 3:40:00 AM
OU5B-s	9/12/2007 4:41:00 AM
OU5B-d	9/12/2007 5:43:00 AM
OU5C-s	9/12/2007 6:45:00 AM
OU5C-d	9/12/2007 7:46:00 AM

Table 4-3
Field Completeness Summary for Water Quality Program

OU	Number of Warm Weather Events Completed	Number of Cold Weather Events Completed	Warm Weather Completeness Goal Achieved? [Minimum 7 of 8 Events]	Cold Weather Completeness Goal Achieved? [Minimum 2 of 4 Events]
LWB	8	3	YES	YES
OU1	8	4	YES	YES
OU2A	8	4	YES	YES
OU2B	8	2	YES	YES
OU2C	8	4	YES	YES
OU3	8	4	YES	YES
OU4	8	4	YES	YES
OU5A	8	4	YES	YES
OU5B	8	2	YES	YES
OU5C	8	2	YES	YES

Notes:

Warm weather months defined as April through November

Cold weather months defined as December through March.

Table 4-4
Water Column PCB Concentrations and Blank Correction Effects

		LWB	OU1	OU2A	OU2B	OU2C	OU3	OU4	OU5A (Surf.)	OU5A (Deep)	OU5B (Surf.)	OU5B (Deep)	OU5C (Surf.)	OU5C (Deep)
August 2006														
Total PCB [Uncorrect]	ng/L	0.48	11.29	12.11	13.05	11.04	15.39	82.29	3.52	2.76	0.83	1.35	0.77	1.05
Total PCB [BC-5x]	ng/L	0.12	11.27	12.08	13.03	11.01	15.37	82.29	3.44	2.64	0.32	1.15	0.40	0.79
Total PCB [BC-2SD]	ng/L	0.11	10.72	11.53	12.48	10.48	14.82	81.68	3.02	2.27	0.40	0.86	0.36	0.60
Total PCB [BC-95%]	ng/L	0.14	10.77	11.59	12.54	10.53	14.88	81.74	3.06	2.31	0.44	0.90	0.40	0.64
# Congeners [Uncorrect]		56	116	118	113	109	118	132	80	74	57	72	52	58
# Congeners [BC-5x]		24	114	115	112	106	116	132	73	67	26	59	28	40
# Congeners [BC-2SD]		38	115	116	112	108	116	132	80	72	53	68	45	55
# Congeners [BC-95%]		41	115	116	112	108	116	132	80	72	53	68	47	56
September 2006														
Total PCB [Uncorrect]	ng/L	1.14	9.55	6.70	7.27	6.58	8.97	55.41	1.84	1.86	3.75	3.76	0.72	1.14
Total PCB [BC-5x]	ng/L	0.10	8.19	5.72	5.87	5.30	7.75	55.37	0.48	0.50	2.43	2.57	0.03	0.07
Total PCB [BC-2SD]	ng/L	0.77	9.00	6.14	6.71	6.02	8.39	54.81	1.31	1.33	3.20	3.21	0.27	0.64
Total PCB [BC-95%]	ng/L	0.80	9.04	6.20	6.76	6.07	8.44	54.87	1.35	1.38	3.25	3.26	0.30	0.68
# Congeners [Uncorrect]		58	103	107	101	103	118	125	91	89	105	103	67	80
# Congeners [BC-5x]		14	76	83	70	71	93	124	35	33	70	65	9	22
# Congeners [BC-2SD]		50	101	106	101	102	117	125	79	79	99	96	50	73
# Congeners [BC-95%]		52	101	107	101	101	117	125	84	82	102	97	51	74
October 2006														
Total PCB [Uncorrect]	ng/L	0.65	5.46	6.49	7.99	8.67	8.49	19.00	3.39	3.15	2.29	2.35	0.53	0.54
Total PCB [BC-5x]	ng/L	0.08	5.20	6.33	7.85	8.44	8.47	18.93	3.28	3.08	2.19	2.22	0.10	0.10
Total PCB [BC-2SD]	ng/L	0.18	4.91	5.92	7.42	8.10	7.91	18.36	2.84	2.60	1.78	1.83	0.13	0.14
Total PCB [BC-95%]	ng/L	0.22	4.96	5.98	7.47	8.15	7.96	18.42	2.89	2.65	1.83	1.87	0.15	0.16
# Congeners [Uncorrect]		82	105	116	115	114	120	126	109	113	89	95	74	89
# Congeners [BC-5x]		30	90	104	106	103	117	124	97	104	78	79	31	43
# Congeners [BC-2SD]		51	101	112	111	110	116	124	97	93	80	82	32	31
# Congeners [BC-95%]		57	102	113	111	110	117	124	99	98	81	87	35	35
November 2006														
Total PCB [Uncorrect]	ng/L	0.56	2.48	2.68	2.58	2.42	2.74	12.24	2.12	2.38	1.40	1.58	1.47	1.15
Total PCB [BC-5x]	ng/L	0.01	1.80	2.14	1.89	1.77	2.02	12.09	1.37	1.80	0.61	0.80	0.77	0.38
Total PCB [BC-2SD]	ng/L	0.14	1.93	2.14	2.04	1.88	2.19	11.66	1.60	1.84	0.91	1.06	0.97	0.65
Total PCB [BC-95%]	ng/L	0.17	1.98	2.19	2.09	1.93	2.24	11.71	1.65	1.89	0.95	1.10	1.02	0.69
# Congeners [Uncorrect]		75	114	101	97	99	107	124	90	102	83	95	94	89
# Congeners [BC-5x]		3	46	39	43	40	46	94	31	43	18	23	36	20
# Congeners [BC-2SD]		53	88	85	83	85	86	114	79	84	69	70	78	70
# Congeners [BC-95%]		59	91	90	86	89	92	115	84	91	72	77	82	76

Table 4-4
Water Column PCB Concentrations and Blank Correction Effects

		LWB	OU1	OU2A	OU2B	OU2C	OU3	OU4	OU5A (Surf.)	OU5A (Deep)	OU5B (Surf.)	OU5B (Deep)	OU5C (Surf.)	OU5C (Deep)
December 2006														
Total PCB [Uncorrect]	ng/L	NS	0.43	0.42	NS	0.88	1.26	2.24	1.22	1.14	NS	NS	NS	NS
Total PCB [BC-5x]	ng/L	NS	0.04	0.06	NS	0.17	0.75	1.73	0.94	0.91	NS	NS	NS	NS
Total PCB [BC-2SD]	ng/L	NS	0.07	0.06	NS	0.41	0.74	1.71	0.74	0.67	NS	NS	NS	NS
Total PCB [BC-95%]	ng/L	NS	0.19	0.19	NS	0.57	0.93	1.91	0.92	0.85	NS	NS	NS	NS
# Congeners [Uncorrect]		NS	52	54	NS	83	98	114	76	72	NS	NS	NS	NS
# Congeners [BC-5x]		NS	12	16	NS	42	69	89	55	52	NS	NS	NS	NS
# Congeners [BC-2SD]		NS	24	23	NS	57	76	76	62	61	NS	NS	NS	NS
# Congeners [BC-95%]		NS	41	39	NS	71	78	79	70	65	NS	NS	NS	NS
January 2007														
Total PCB [Uncorrect]	ng/L	0.42	0.45	0.42	NS	1.25	0.95	3.64	1.45	1.71	NS	NS	NS	NS
Total PCB [BC-5x]	ng/L	0.06	0.06	0.05	NS	0.90	0.42	3.26	1.37	1.65	NS	NS	NS	NS
Total PCB [BC-2SD]	ng/L	0.05	0.04	0.03	NS	0.73	0.46	3.09	0.96	1.22	NS	NS	NS	NS
Total PCB [BC-95%]	ng/L	0.13	0.16	0.13	NS	0.92	0.64	3.29	1.18	1.44	NS	NS	NS	NS
# Congeners [Uncorrect]		87	89	91	NS	111	93	126	86	75	NS	NS	NS	NS
# Congeners [BC-5x]		35	37	39	NS	80	53	103	77	68	NS	NS	NS	NS
# Congeners [BC-2SD]		30	37	23	NS	79	73	90	60	68	NS	NS	NS	NS
# Congeners [BC-95%]		57	55	44	NS	78	76	91	64	67	NS	NS	NS	NS
February 2007														
Total PCB [Uncorrect]	ng/L	0.22	0.40	0.43	0.43	0.46	0.55	1.99	1.58	1.67	0.91	0.91	0.42	0.36
Total PCB [BC-5x]	ng/L	0.05	0.18	0.26	0.26	0.28	0.39	1.94	1.52	1.59	0.83	0.82	0.25	0.20
Total PCB [BC-2SD]	ng/L	0.00	0.02	0.04	0.08	0.09	0.16	1.50	1.11	1.17	0.49	0.47	0.07	0.06
Total PCB [BC-95%]	ng/L	0.03	0.17	0.20	0.23	0.24	0.32	1.72	1.33	1.40	0.67	0.66	0.19	0.16
# Congeners [Uncorrect]		51	67	68	51	58	64	79	72	84	68	72	63	57
# Congeners [BC-5x]		22	46	47	33	38	45	72	65	76	55	59	41	34
# Congeners [BC-2SD]		1	16	21	22	25	29	64	53	67	44	43	14	13
# Congeners [BC-95%]		24	46	49	44	47	47	68	61	72	53	56	42	37
March 2007														
Total PCB [Uncorrect]	ng/L	0.15	0.91	0.88	1.30	1.25	1.64	8.12	1.53	1.38	1.02	0.74	0.39	0.37
Total PCB [BC-5x]	ng/L	0.0048	0.66	0.66	1.03	0.98	1.55	8.07	1.32	1.17	0.78	0.53	0.10	0.09
Total PCB [BC-2SD]	ng/L	0.0003	0.63	0.61	1.02	0.96	1.41	7.77	1.27	1.11	0.73	0.49	0.18	0.16
Total PCB [BC-95%]	ng/L	0.0011	0.62	0.60	1.00	0.95	1.40	7.75	1.25	1.10	0.71	0.48	0.17	0.15
# Congeners [Uncorrect]		72	113	110	108	115	60	140	107	113	105	106	84	94
# Congeners [BC-5x]		6	71	69	70	79	53	130	66	73	65	57	20	27
# Congeners [BC-2SD]		4	68	64	68	73	57	106	67	68	73	55	41	35
# Congeners [BC-95%]		4	65	64	73	72	57	102	65	65	70	53	37	36

Table 4-4
Water Column PCB Concentrations and Blank Correction Effects

		LWB	OU1	OU2A	OU2B	OU2C	OU3	OU4	OU5A (Surf.)	OU5A (Deep)	OU5B (Surf.)	OU5B (Deep)	OU5C (Surf.)	OU5C (Deep)
April 2007														
Total PCB [Uncorrect]	ng/L	0.56	1.68	1.84	2.21	2.24	2.64	11.39	1.81	1.91	0.74	0.80	0.56	0.53
Total PCB [BC-5x]	ng/L	0.05	0.79	1.03	1.48	1.46	1.89	10.87	1.75	1.84	0.59	0.64	0.39	0.35
Total PCB [BC-2SD]	ng/L	0.29	1.40	1.55	1.91	1.95	2.32	11.02	1.54	1.62	0.50	0.55	0.33	0.31
Total PCB [BC-95%]	ng/L	0.28	1.38	1.53	1.89	1.93	2.30	10.99	1.52	1.60	0.48	0.53	0.31	0.29
# Congeners [Uncorrect]		82	85	91	103	92	105	128	86	92	77	85	69	80
# Congeners [BC-5x]		20	39	47	60	52	62	94	81	87	63	71	51	62
# Congeners [BC-2SD]		64	77	81	91	82	88	119	78	81	61	64	51	46
# Congeners [BC-95%]		61	76	49	88	82	86	114	76	79	58	58	48	44
May 2007														
Total PCB [Uncorrect]	ng/L	0.31	3.34	3.69	5.09	4.88	6.45	38.15	4.06	3.50	0.69	0.88	0.63	0.80
Total PCB [BC-5x]	ng/L	0.02	2.78	3.01	4.20	3.95	5.48	37.85	3.53	3.53	0.24	0.40	0.22	0.35
Total PCB [BC-2SD]	ng/L	0.11	3.04	3.35	4.73	4.51	6.08	37.75	3.74	3.71	0.43	0.60	0.38	0.55
Total PCB [BC-95%]	ng/L	0.10	3.02	3.33	4.71	4.48	6.05	37.70	3.72	3.68	0.42	0.59	0.36	0.53
# Congeners [Uncorrect]		47	88	101	115	122	126	134	104	99	86	96	86	96
# Congeners [BC-5x]		10	64	78	92	99	104	126	82	78	47	60	39	42
# Congeners [BC-2SD]		35	78	94	107	112	114	132	94	91	59	66	56	58
# Congeners [BC-95%]		33	78	94	104	106	113	131	93	88	55	64	54	54
June 2007														
Total PCB [Uncorrect]	ng/L	0.30	5.70	3.75	4.10	3.77	7.88	44.79	3.18	3.36	0.93	0.83	0.59	0.52
Total PCB [BC-5x]	ng/L	0.01	5.19	3.21	3.61	3.40	7.45	44.66	2.71	2.88	0.38	0.18	0.08	0.03
Total PCB [BC-2SD]	ng/L	0.09	5.37	3.47	3.80	3.46	7.51	44.39	2.87	3.04	0.66	0.57	0.34	0.36
Total PCB [BC-95%]	ng/L	0.08	5.35	3.45	3.78	3.44	7.48	44.35	2.85	3.02	0.64	0.55	0.33	0.34
# Congeners [Uncorrect]		50	109	85	94	104	120	140	110	115	98	96	85	36
# Congeners [BC-5x]		7	82	56	69	79	100	133	81	86	53	47	35	6
# Congeners [BC-2SD]		34	94	77	86	94	112	132	93	93	71	64	57	34
# Congeners [BC-95%]		31	89	77	86	91	108	130	91	92	68	60	53	33
July 2007														
Total PCB [Uncorrect]	ng/L	0.31	10.48	11.01	8.64	14.93	11.81	61.61	1.87	2.97	0.67	1.19	0.45	0.45
Total PCB [BC-5x]	ng/L	0.04	10.13	10.95	8.28	14.91	11.81	61.61	1.82	2.94	0.48	1.07	0.28	0.23
Total PCB [BC-2SD]	ng/L	0.11	10.11	10.68	8.28	14.54	11.42	61.21	1.60	2.67	0.42	0.93	0.23	0.23
Total PCB [BC-95%]	ng/L	0.10	10.08	10.65	8.25	14.51	11.38	61.17	1.58	2.65	0.41	0.92	0.21	0.22
# Congeners [Uncorrect]		59	124	101	115	126	125	132	96	114	89	98	79	67
# Congeners [BC-5x]		18	114	96	104	124	125	132	91	111	71	85	57	43
# Congeners [BC-2SD]		40	117	97	110	123	122	130	79	86	55	72	46	50
# Congeners [BC-95%]		38	116	97	108	122	120	130	77	84	53	70	44	48

Table 4-4
Water Column PCB Concentrations and Blank Correction Effects

	LWB	OU1	OU2A	OU2B	OU2C	OU3	OU4	OU5A (Surf.)	OU5A (Deep)	OU5B (Surf.)	OU5B (Deep)	OU5C (Surf.)	OU5C (Deep)
Average Annual PCB Concentration													
BC-5x	0.05	3.86	3.79	4.75	4.38	5.28	28.22	1.96	2.04	0.89	1.04	0.26	0.26
BC-2SD	0.17	3.94	3.79	4.85	4.43	5.28	27.91	1.88	1.94	0.95	1.06	0.33	0.37
BC-95%	0.19	3.98	3.83	4.87	4.48	5.34	27.97	1.94	2.00	0.98	1.09	0.35	0.39
RPD (5x v. 95%)	116%	3%	1%	3%	2%	1%	-1%	-1%	-2%	10%	5%	27%	40%
RPD (2SD v. 95%)	10%	1%	1%	1%	1%	1%	0%	3%	3%	3%	3%	6%	5%

Notes:

BC = Blank Correction

5x = 5 time Method Blank

2SD = Mean + 2 Std Dev Method Blanks

95% = 95th Percentile Method Blanks

Shaded cells include fewer than 25 detected congeners.

Table 4-5
Water Quality Summary Statistics

	LWB	OU1	OU2A	OU2B	OU2C	OU3	OU4	OU5A	OU5B	OU5C	ALL
Whole Year (12 months)											
Total PCBs (ng/L - blank corrected)											
Count (No. Samples)	11	12	12	10	12	12	12	24	20	20	145
No. Nondetects	1	0	0	0	0	0	0	0	0	0	0
Percent Nondetects	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Mean	0.19	3.98	3.83	4.77	4.48	5.34	27.97	1.97	1.03	0.37	4.64
Median	0.13	2.50	2.76	4.24	2.69	4.17	15.07	1.59	0.67	0.31	1.38
Minimum	0.00	0.16	0.13	0.23	0.24	0.32	1.72	0.85	0.41	0.15	0.00
Maximum	0.80	10.77	11.59	12.54	14.51	14.88	81.74	3.72	3.26	1.02	81.74
10th Percentile	0.03	0.17	0.19	0.92	0.61	0.67	2.05	1.12	0.43	0.16	0.17
25th Percentile	0.09	0.51	0.50	1.94	0.94	1.28	6.63	1.35	0.52	0.19	0.44
50th Percentile	0.13	2.50	2.76	4.24	2.69	4.17	15.07	1.59	0.67	0.31	1.38
75th Percentile	0.19	6.27	6.03	7.10	6.59	8.08	46.98	2.70	0.99	0.43	3.68
90th Percentile	0.28	9.97	10.20	7.98	10.29	11.09	60.54	3.05	2.01	0.68	10.60
Standard Deviation	0.22	4.03	4.00	3.78	4.53	4.77	27.15	0.87	0.87	0.23	10.76
Coefficient of Variation	1.18	1.01	1.04	0.79	1.01	0.89	0.97	0.44	0.84	0.64	2.32
TSS (mg/L)											
Count (No. Samples)	11	12	12	10	12	12	12	24	20	20	145
Mean	16.4	17.2	18.3	18.9	19.5	16.4	24.6	5.2	2.6	1.6	12.0
Median	17.0	9.7	16.5	22.5	20.5	17.5	16.5	5.8	2.2	1.3	6.1
Minimum	1.3	1.8	1.8	1.8	1.3	1.5	1.4	0.9	0.8	0.4	0.4
Maximum	40	63	57	40	42	33	66	10	7.4	4.2	66
Standard Deviation	11.5	17.1	16.4	12.4	14.6	11.4	23.1	2.67	1.93	1.11	14.0
Coefficient of Variation	0.70	0.99	0.90	0.65	0.75	0.70	0.94	0.51	0.73	0.70	1.17
TOC (%)											
Count (No. Samples)	11	12	12	10	12	12	12	24	20	20	145
Mean	9.8	9.7	9.3	9.4	9.8	9.7	9.5	5.0	4.3	3.7	7.3
Median	9.1	9.5	9.5	8.9	9.7	9.7	8.9	4.6	3.7	3.0	7.7
Minimum	6.9	7.4	5.7	6.2	6.6	6.1	6.7	2.6	2.4	2.1	2.1
Maximum	14.0	13.0	12.0	13.0	14.0	13.0	15.0	8.5	8.9	7.4	15.0
Standard Deviation	2.10	1.73	1.48	1.93	2.05	2.02	2.12	1.25	1.74	1.53	3.13
Coefficient of Variation	0.21	0.18	0.16	0.21	0.21	0.21	0.22	0.25	0.40	0.41	0.43

Table 4-5
Water Quality Summary Statistics

	LWB	OU1	OU2A	OU2B	OU2C	OU3	OU4	OU5A	OU5B	OU5C	ALL
Warm Weather (April through November)											
Total PCBs (ng/L - blank corrected)											
Count (No. Samples)	8	8	8	8	8	8	8	16	16	16	104
No. Nondetects	0	0	0	0	0	0	0	0	0	0	0
Percent Nondetects	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Mean	0.24	5.82	5.61	5.81	6.38	7.59	40.12	2.36	1.13	0.42	6.11
Median	0.15	5.16	4.72	5.73	5.28	7.72	41.03	2.48	0.77	0.33	2.14
Minimum	0.08	1.38	1.53	1.89	1.93	2.24	10.99	1.35	0.41	0.15	0.08
Maximum	0.80	10.77	11.59	12.54	14.51	14.88	81.74	3.72	3.26	1.02	81.74
10th Percentile	0.10	1.80	1.99	2.03	1.93	2.28	11.50	1.45	0.43	0.19	0.28
25th Percentile	0.10	2.76	3.04	3.36	3.07	5.11	16.74	1.59	0.52	0.27	0.63
50th Percentile	0.15	5.16	4.72	5.73	5.28	7.72	41.03	2.48	0.77	0.33	2.14
75th Percentile	0.23	9.30	7.31	7.28	8.75	9.18	56.44	2.92	1.28	0.56	6.10
90th Percentile	0.43	10.29	10.93	8.99	11.72	12.43	67.34	3.37	2.56	0.69	11.53
Standard Deviation	0.24	3.71	3.78	3.49	4.45	4.27	25.47	0.81	0.94	0.24	12.39
Coefficient of Variation	1.01	0.64	0.67	0.60	0.70	0.56	0.63	0.34	0.83	0.57	2.03
TSS (mg/L)											
Count (No. Samples)	8	8	8	8	8	8	8	16	16	16	104
Mean	17.2	23.1	23.8	22.5	25.9	21.9	33.8	6.6	3.0	1.8	14.7
Median	18.5	19.5	24.5	23.5	29.0	22.5	26.0	6.5	2.2	1.5	7.9
Minimum	4.8	8.0	4.2	4.1	3.4	3.0	5.1	3.6	1.0	0.9	0.9
Maximum	25	63	57	40	42	33	66	9.8	7.4	4.2	66
Standard Deviation	6.7	18.3	17.1	11.0	13.4	9.7	23.3	1.61	1.95	1.09	15.0
Coefficient of Variation	0.39	0.79	0.72	0.49	0.52	0.45	0.69	0.24	0.64	0.59	1.02
TOC (%)											
Count (No. Samples)	8	8	8	8	8	8	8	16	16	16	104
Mean	9.7	9.7	9.4	9.3	9.8	9.7	9.6	4.8	4.5	4.0	7.2
Median	8.8	9.6	9.7	8.9	9.7	9.7	8.9	4.4	3.5	3.7	7.4
Minimum	6.9	7.4	5.7	6.2	6.6	6.1	6.7	2.6	2.4	2.5	2.4
Maximum	14.0	12.0	12.0	13.0	14.0	13.0	15.0	8.5	8.9	7.4	15.0
Standard Deviation	2.45	1.53	1.75	2.08	2.52	2.41	2.54	1.42	1.93	1.56	3.21
Coefficient of Variation	0.25	0.16	0.19	0.22	0.26	0.25	0.27	0.30	0.43	0.39	0.45

Table 4-6
Statistical Distribution Test Results for Water Column Total PCB Concentrations

NORMAL Goodness-of-Fit Test (Probability Plot Regression)

	LWB	OU1	OU2A	OU2B	OU2C	OU3	OU4	OU5A	OU5B	OU5C
YEAR-ROUND (12 months)	NON-PARA 0.658	(NORMAL) 0.871	(NORMAL) 0.864	NORMAL 0.929	(NORMAL) 0.863	NORMAL 0.904	(NORMAL) 0.886	NORMAL 0.902	NON-PARA 0.691	(NORMAL) 0.835
WARM WEATHER (Apr - Nov)	NON-PARA 0.640	NORMAL 0.929	NORMAL 0.904	NORMAL 0.918	NORMAL 0.924	NORMAL 0.950	NORMAL 0.952	NORMAL 0.926	NON-PARA 0.746	(NORMAL) 0.876

NORMAL TEST RESULTS (12 Months)
3 NORMAL
5 NEAR NORMAL
2 NONPARAMETRIC

NORMAL TEST RESULTS (8 months)
7 NORMAL
1 NEAR NORMAL
2 NONPARAMETRIC

LOGNORMAL Goodness-of-Fit Test (Probability Plot Regression)

	LWB	OU1	OU2A	OU2B	OU2C	OU3	OU4	OU5A	OU5B	OU5C
YEAR-ROUND (12 Months)	NON-PARA 0.768	LOGNORM 0.905	LOGNORM 0.920	LOGNORM 0.901	LOGNORM 0.976	LOGNORM 0.941	LOGNORM 0.940	LOGNORM 0.951	(LOGNORM) 0.877	LOGNORM 0.943
WARM WEATHER (Apr - Nov)	(LOGNORM) 0.887	LOGNORM 0.938	LOGNORM 0.966	LOGNORM 0.947	LOGNORM 0.965	(LOGNORM) 0.889	(LOGNORM) 0.920	LOGNORM 0.925	LOGNORM 0.900	LOGNORM 0.970

LOGNORM TEST RESULTS (12 Months)
8 NORMAL
1 NEAR NORMAL
1 NONPARAMETRIC

LOGNORM TEST RESULTS (8 months)
8 LOGNORMAL
2 NEAR LOGNORMAL
0 NONPARAMETRIC

Notes:
R^2 value provided below each distribution determination
NORMAL or LOGNORMAL = R^2 value greater than 0.9
(NORMAL) or (LOGNORMAL) = R^2 value greater than 0.8 and less than 0.9
NON-PARA = R^2 value less than 0.8 = nonparametric

Table 4-7
Two-Variable Regression – Total PCBs versus Temperature and Suspended Solids

OU	Statistic	Entire Year Temperature	Entire Year TSS	Warm Weather Only Temperature	Warm Weather Only TSS
LWB	N	11		8	
	R^2	0.259		0.384	
	Coefficient	0.007	0.008	0.009	0.025
	Standard Error	0.007	0.006	0.013	0.014
	P (2 Tail)	0.353	0.193	0.496	0.138
OU1	N	12		8	
	R^2	0.897		0.816	
	Coefficient	0.29	0.08	0.31	0.08
	Standard Error	0.06	0.03	0.11	0.05
	P (2 Tail)	0.001	0.037	0.038	0.124
OU2A	N	12		8	
	R^2	0.902		0.852	
	Coefficient	0.27	0.11	0.27	0.12
	Standard Error	0.06	0.03	0.10	0.04
	P (2 Tail)	0.001	0.011	0.045	0.047
OU2B	N	10		8	
	R^2	0.754		0.630	
	Coefficient	0.30	0.06	0.31	0.06
	Standard Error	0.11	0.08	0.14	0.10
	P (2 Tail)	0.031	0.502	0.087	0.572
OU2C	N	12		8	
	R^2	0.830		0.751	
	Coefficient	0.26	0.13	0.30	0.15
	Standard Error	0.10	0.07	0.15	0.09
	P (2 Tail)	0.029	0.083	0.110	0.159
OU3	N	12		8	
	R^2	0.947		0.914	
	Coefficient	0.37	0.10	0.40	0.13
	Standard Error	0.07	0.06	0.09	0.08
	P (2 Tail)	<0.001	0.108	0.007	0.156
OU4	N	11		8	
	R^2	0.965		0.946	
	Coefficient	1.94	0.39	1.97	0.40
	Standard Error	0.36	0.15	0.49	0.18
	P (2 Tail)	0.001	0.027	0.010	0.080
OU5A	N	23		16	
	R^2	0.360		0.043	
	Coefficient	0.047	0.077	0.016	-0.052
	Standard Error	0.020	0.067	0.033	0.149
	P (2 Tail)	0.033	0.260	0.639	0.736
OU5B	N	20		16	
	R^2	0.264		0.251	
	Coefficient	0.034	0.165	0.05	0.2
	Standard Error	0.024	0.095	0.035	0.117
	P (2 Tail)	0.179	0.101	0.177	0.111
OU5C	N	20		16	
	R^2	0.374		0.357	
	Coefficient	-0.006	0.139	-0.014	0.113
	Standard Error	0.007	0.044	0.009	0.049
	P (2 Tail)	0.430	0.006	0.137	0.037

Notes:

$P < 0.05$

$0.05 < P < 0.1$

Table 4-8
Paired t-Test Results for Green Bay Stratification

Entire Year	OU 5A	OU 5B	OU 5C
Mean Total PCB Shallow (ng/L)	1.943	0.981	0.345
Mean Total PCB Deep (ng/L)	1.998	1.086	0.388
t-statistic	-0.461	-1.442	-0.712
Degrees of Freedom	11	9	9
p-value	0.654	0.183	0.494

Warm Months (April to November)	OU 5A	OU 5B	OU 5C
Mean Total PCB Shallow (ng/L)	2.328	1.052	0.386
Mean Total PCB Deep (ng/L)	2.398	1.215	0.446
t-statistic	-0.389	-2.143	-0.799
Degrees of Freedom	7	7	7
p-value	0.709	0.069	0.451

Table 4-9
Summary of PCB Mass Loading Estimates (kilograms/year)

Location	Unstratified Beale	Stratified Beale*	Linear Interpolation
LW	0.5	0.5	0.4
OU1	6.7	7.2	6.7
OU2A	6.8	7.6	6.9
OU2B	10.0	9.3	8.1
OU2C	8.7	9.6	8.5
OU3	9.8	11.2	10.1
OU4	51.6	58.2	54.7

* Annual monitoring data were stratified into two seasons: 4 winter months (December through March) and 8 non-winter months (April through November).

Table 5-1
Adaptive Management Strategies Used in the Baseline Monitoring Program

Baseline Monitoring Issue		Challenges	Successes	Adaptive Strategies Implemented	Implications for Long-term Monitoring
WATER SAMPLING					
W1	Winter Sampling Schedule and Sample Numbers	Severe winter conditions present safety risk for winter sampling crews. Extremely low PCB concentrations typical of winter months complicate statistical distributions and increase statistical variability.	Minimum completeness goals (2/4 cold months) met in all OU's; optimum completeness goals (4/4 cold months) met in 6 out of 10 OU's during winter.	Marine ice recovery contractor was hired to better assess field conditions for safe access. Data was stratified into warm weather (April through November) and cold-weather months (December through March) to reduce statistical variability.	Stratify water data (April through November). Discontinue sampling in winter months (December through March). Sampling schedule and sample size requirements for long-term monitoring are being finalized in the Work Group based on supplemental power analysis using multivariate techniques.
W2	Blank Contamination	Low levels of blank contamination are unavoidable using Method 1668A due to ultra-low detection limits and ubiquitous trace levels of PCBs in global environment	Analytical lab was able to reduce method blank contamination with procedural modification. Field blank contamination is 2 to 3 times higher than lab method blanks, but appears to be derived from ambient regional background sources, rather than sampling induced.	Sample sequentially from least to most contaminated OU's to the extent possible. Instruct lab to analyze samples in order from cleanest to dirtiest to avoid instrument cross contamination. Use dedicated Niskin bottles in Green Bay and dedicated peristaltic tubing in Fox River. Implement nonparametric blank subtraction procedures (modified Ferrario method) as per LTM Work Group discussions.	Continue field and lab sample sequencing as implemented during Baseline Program. Continue use of dedicated samplers and sample tubing. Continue to implement nonparametric blank subtraction per modified Ferrario et al. (1997) method. Continue with routine collection of field rinseate blanks in river and bay. Continue to evaluate time trends in field and lab blank contamination during Long-Term Monitoring Program to identify possible sources of cross-contamination.
W3	Lost or Broken Samples	Potential breakage during transport. One set of samples froze and broke due to thermostat malfunction at analytical lab.	No data were lost in baseline program	Collect redundant set of bottles from each station and hold in refrigerated storage in Green Bay in case primary samples are lost or broken.	Continue to implement redundant sample collection
W4	Green Bay Stratification	Thermocline is not uniformly present during transitional periods in Green Bay	Close coordination of field crews with office management ensured samples were collected from appropriate depths in the bay	Hydrographic data was reviewed in the office and follow-up compositing instructions were provided to lab based on this review	No significant differences in PCB concentrations between shallow and deep water layers in Green Bay. Stratification of water samples can be dropped from long-term program. Continue to monitor field parameters (e.g. temperature, turbidity) during water sampling to ensure representative composite samples are collected from the water column.

Table 5-1
Adaptive Management Strategies Used in the Baseline Monitoring Program

	Baseline Monitoring Issue	Challenges	Successes	Adaptive Strategies Implemented	Implications for Long-term Monitoring
FISH SAMPLING					
F1	Adequacy of Sample Numbers	Adequately characterizing baseline fish tissue PCB concentrations given inherent variability caused by lipid content, age, spatially varying sediment exposures, and other uncontrolled field conditions	Estimated sample numbers based on coefficients of variation from historical data were good predictors of actual field variability: Observed CV (Predicted CV) Walleye: 0.26-0.87 (0.72) Bass: 0.30-0.78 (0.62) Carp: 0.18-1.07 (0.68) Drum: 0.20-0.57 (N/A) Gizz Shad: 0.11-0.60 (0.40)	Various adaptive strategies were implemented to ensure QAPP-specified target numbers or at least minimum numbers of fish were collected from each OU (i.e. rotating fish schedule, expanded schedule, expanded size ranges, alternate fishing techniques, etc.)	Preliminary power analysis suggests QAPP-specified optimum and minimum fish sample numbers are appropriate for use in long-term program for most species. Sample size requirements for long-term monitoring are being finalized in the Work Group based on supplemental power analysis using multivariate techniques.
F2	Fish Collection Methods	Not all fishing methods used in the Baseline Monitoring Program were productive. Fyke Nets and Set Lines were unproductive and should be discontinued.	Productive fishing methods included electro shocking, hook and line (with guide), seine nets (gizzard shad), and WDNR trawls (LWB and Green Bay)	Seine netting of gizzard shad was added to program. Hook and line fishing for bass in Spring 2007 was added to program.	Recommend continued use of electro shocking, hook and line (with guide), seine nets (gizzard shad), and WDNR trawls (LWB and Green Bay). Hook and line may also be suitable for the primary collection window in late Summer (Aug 15 - Sep 15), and for walleye and drum as well as bass.
F3	Fishing Schedule	Baseline Monitoring Program allocated 3 days to each OU during initial circuit, with follow-up work as needed (1 to 2 more days) after letting the water "rest"; Day 3 was usually not productive.	In some OU's, target fish catches were easily obtained within the assigned fishing schedule. Other OU's were more difficult for certain species.	Fishing season was extended into November. Supplemental collection for bass was performed in June 2007 (see also item F5)	Recommend allocating 2 days per station during initial sampling circuit. Let water rest and return for up to 2 more days as needed.
F4	Fish Species	Bass were difficult to collect in Green Bay in Fall window. Minimum bass not obtained in OU 5A. Minimum gizzard shad not obtained in OU's 1 and 2A. No suitable alternate species was found for gizzard shad.	Optimum walleye numbers were collected in all OU's. Minimum carp and drum numbers were collected in all OU's and optimum numbers were collected in 6 out of 9 and 8 out of 9 OU's, respectively.	Fish size ranges were expanded by two inches either side as needed to improve harvest, per QAPP. Bass collection was supplemented the following Spring (post-spawning, in June) using hook and line techniques.	Selecte walleye as primary human health species and bass as alternate human health species in Long Term Monitoring Program. Select carp as primary ecological species in Lower Fox River and drum as primary ecological species in Green Bay; collect both carp and drum in OU4. Select gizzard shad as "young of year" species, and explore techniques to improve harvest.

Table 5-1
Adaptive Management Strategies Used in the Baseline Monitoring Program

Baseline Monitoring Issue		Challenges	Successes	Adaptive Strategies Implemented	Implications for Long-term Monitoring
FISH SAMPLING (Continued)					
F5	Fishing Season	A few data gaps existed after the end of the prescribed fish window (Aug 15 through Sept 15). Potential seasonal effects on lipid content and PCB concentrations were evaluated for fish collected outside this window.	A majority of the required fish were caught during the prescribed late Summer fishing season.	Fishing season was extended into October/November using WDNR staff. Significant seasonal effects were not observed in these months, although few additional fish were obtained. Bass collection was supplemented in LWB, OU4, and OU5 in the following Spring (June). Analysis of controlling variables (length and lipids) may help to reduce seasonal effects in bass data.	Primary fishing season remains from Aug 15 through Sept 15. Extension of season by one month, if necessary, is not likely to introduce significant seasonal effects in fish concentrations. Use June as backup season for bass collection, if this alternate species is required.
F6	Fish Size Ranges	Gizzard Shad – difficult to get sufficient numbers of small fish in 2-inch to 3-inch size range; Smallmouth Bass – No size range specifications provided in QAPP Carp - No fish less than 12 inches collected	Other Species - Use of QAPP specified size ranges and expanded alternate size ranges, where necessary, were successful	Gizzard Shad – Size range expanded in the field to include 3-inch to 6-inch fish after consultation with A/OT, greatly improving success of harvest. No evidence of significant size-related PCB effects after controlling for lipid content. Smallmouth Bass – 10-inch to 20-inch bass were successfully collected; larger 20-inch to 22-inch bass were never encountered.	Gizzard Shad – Use 2- to 4-inch fish as primary size range, and 4- to 6-inch fish as alternate size range. Consult WDNR fish biologist as to what size represents "young of year" fish. Carp - Adjust target size range to 12 to 22 inches (up from 10 to 20 inches) Smallmouth Bass – Recommend 10-inch to 20-inch target size range. Other Species – Size ranges as specified in QAPP
F7	Compositing Numbers (Ecological Species)	Gizzard Shad – Minimum completeness goals were not achieved at two stations (only 2 composites in OU1, and 3 composites in OU2A); optimum completeness goals were only achieved at 3 out of 9 stations, even with expanded size range	Other Ecological Species – For compositing, minimum completeness was achieved at all stations for carp and drum, and optimum completeness was achieved at most stations (6 and 7 optimum stations out of 9 stations, respectively)	Gizzard Shad - Expanded size range (i.e., 3-inch to 6-inch fish), alternate fishing techniques (i.e., seine nets), and extended fishing season (i.e., October/November) were employed; however, fish numbers for gizzard shad were still below target in some areas, requiring smaller composites.	Retain optimum completeness goal of 25 fish/composite and minimum completeness goal of 10 fish/composite for best representativeness. Lab has demonstrated ability to provide good aroclor quantizations (19 U) with as few as three small fish. Explore other collection techniques to improve gizzard shad harvest in future monitoring events.

Table 5-2
Estimated Statistical Confidence for Detecting 50% Reduction in PCB Concentration

	n	LWB	OU 1	OU 2A	OU 2B	OU 2C	OU 3	OU 4	OU 5A	OU 5B	OU 5C
Fish											
Walleye	15	>95%	>95%	>95%	>95%	>90%	>90%	>95%	>95%	>95%	---
Bass	15	>95%	>90%	>95%	>95%	>95%	>95%	>95%	>95%	>90%	---
Carp	5	>95%	>80%	>70%	>95%	>95%	>95%	>95%	>95%	>70%	---
Drum	5	>95%	~95%	>90%	~90%	>90%	>80%	~95%	>95%	~95%	---
Gizzard Shad	5	>95%	>90%	>80%	>95%	>80%	>80%	>80%	>95%	>95%	---
Water											
Year-round	12	>75%	>80%	>80%	>90%	>80%	>80%	>80%	>95%	>80%	>95%
April to November	8	>75%	>90%	~90%	>90%	>80%	>90%	>90%	>95%	>80%	>90%

FIGURES

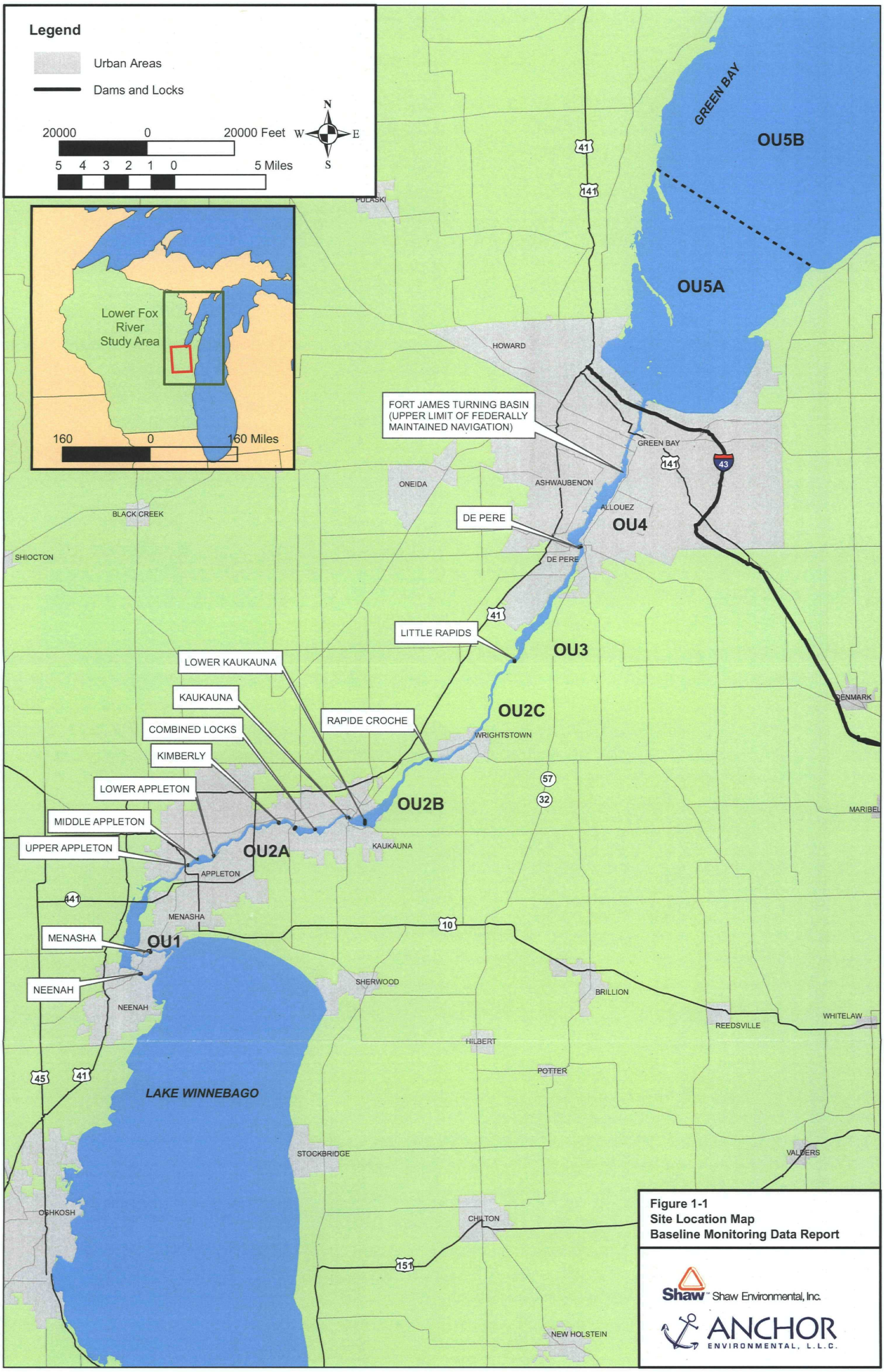

Figure 1-1
Site Location Map
Baseline Monitoring Data Report

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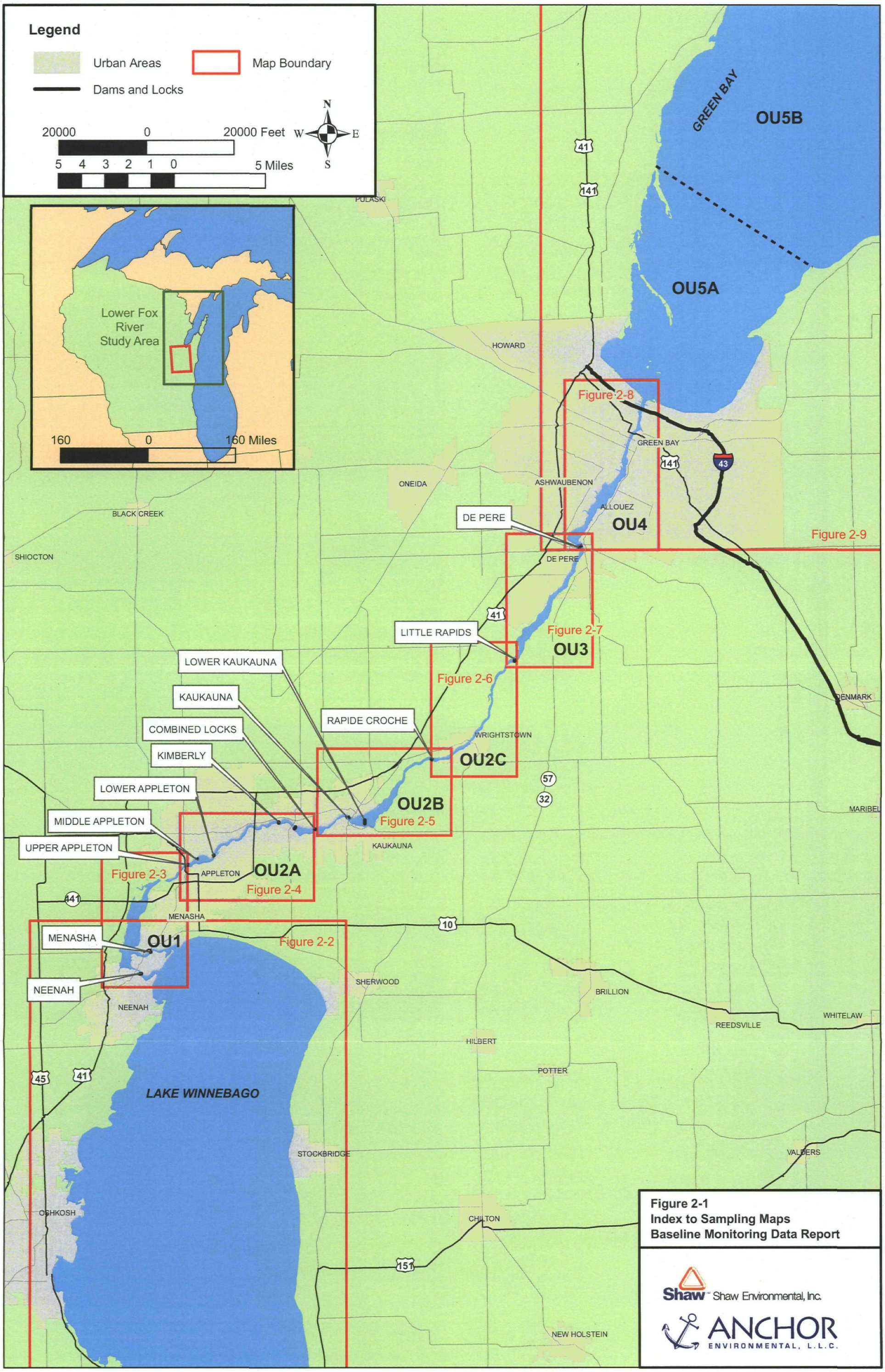

Figure 2-1
Index to Sampling Maps
Baseline Monitoring Data Report

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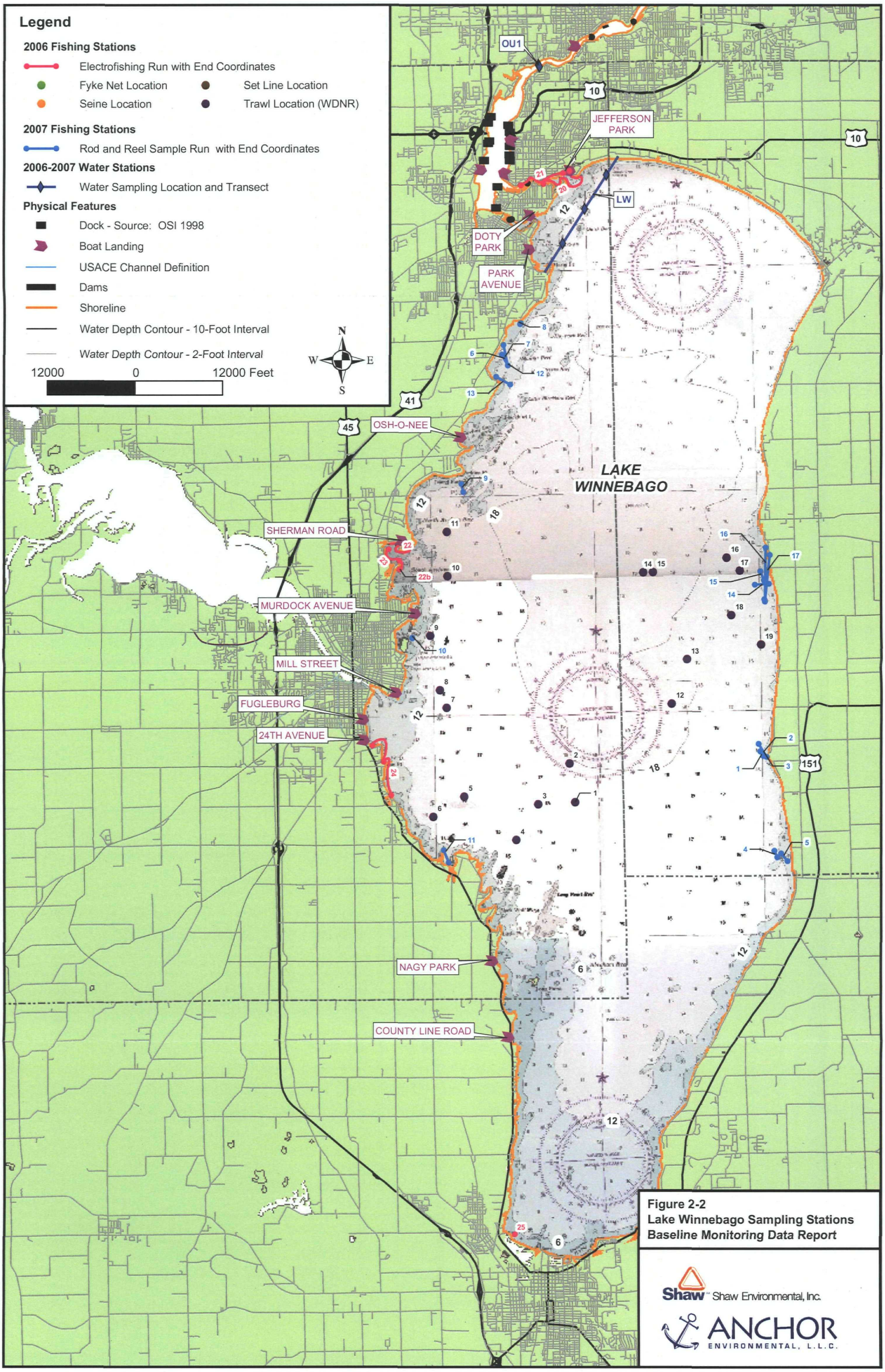

Figure 2-2
Lake Winnebago Sampling Stations
Baseline Monitoring Data Report

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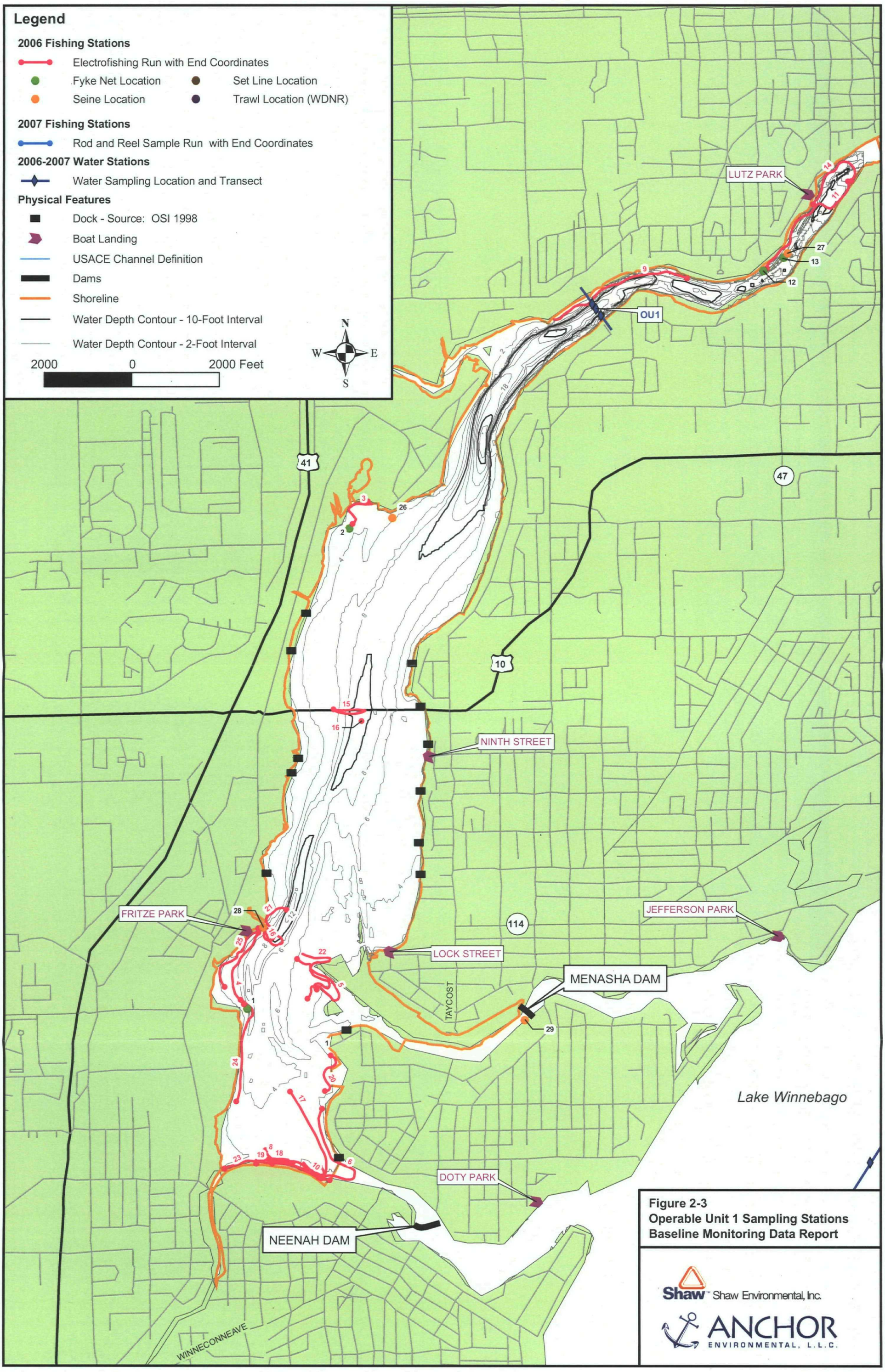

Figure 2-3
Operable Unit 1 Sampling Stations
Baseline Monitoring Data Report

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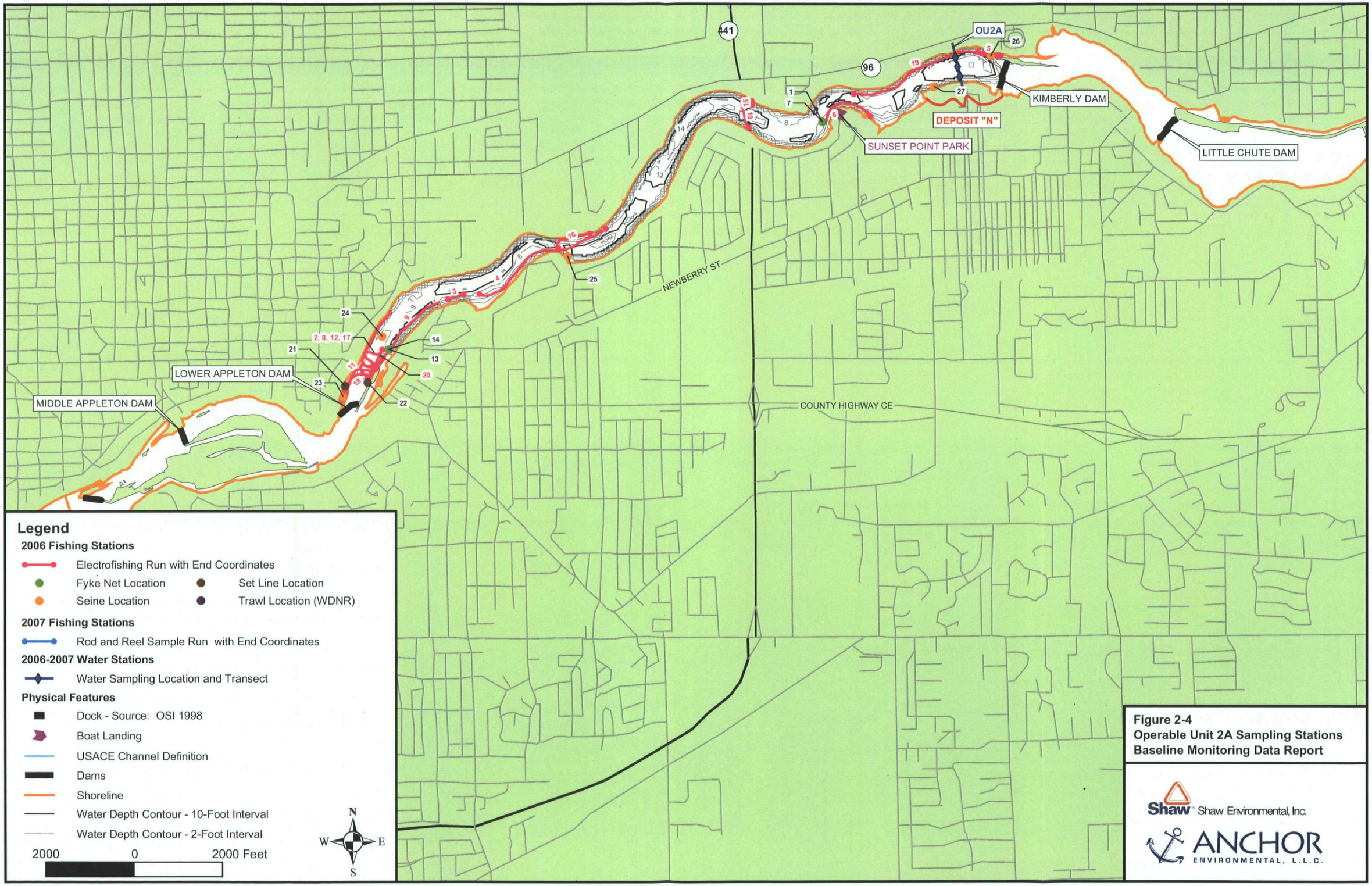

Figure 2-4
Operable Unit 2A Sampling Stations
Baseline Monitoring Data Report

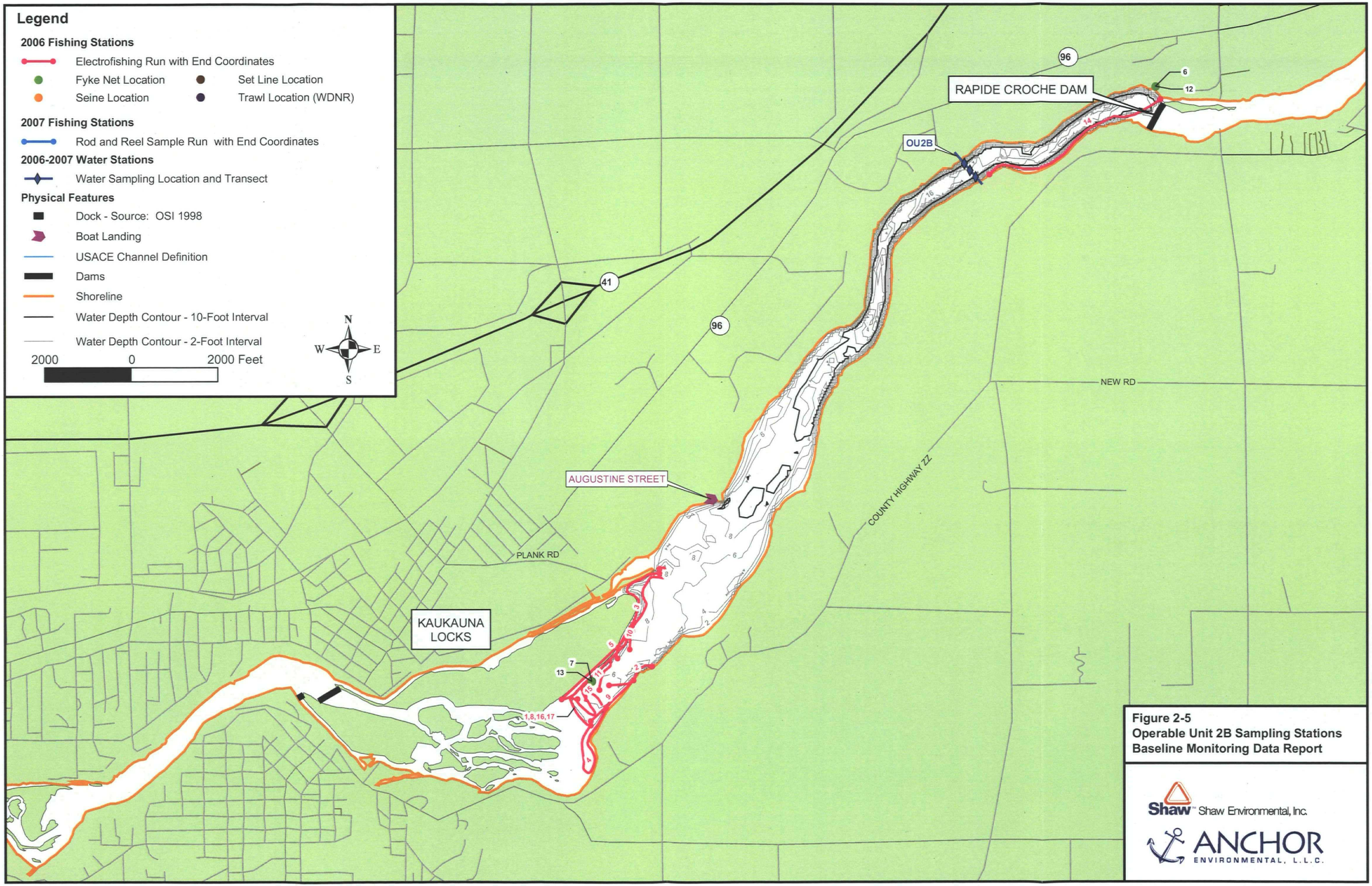

Figure 2-5
Operable Unit 2B Sampling Stations
Baseline Monitoring Data Report

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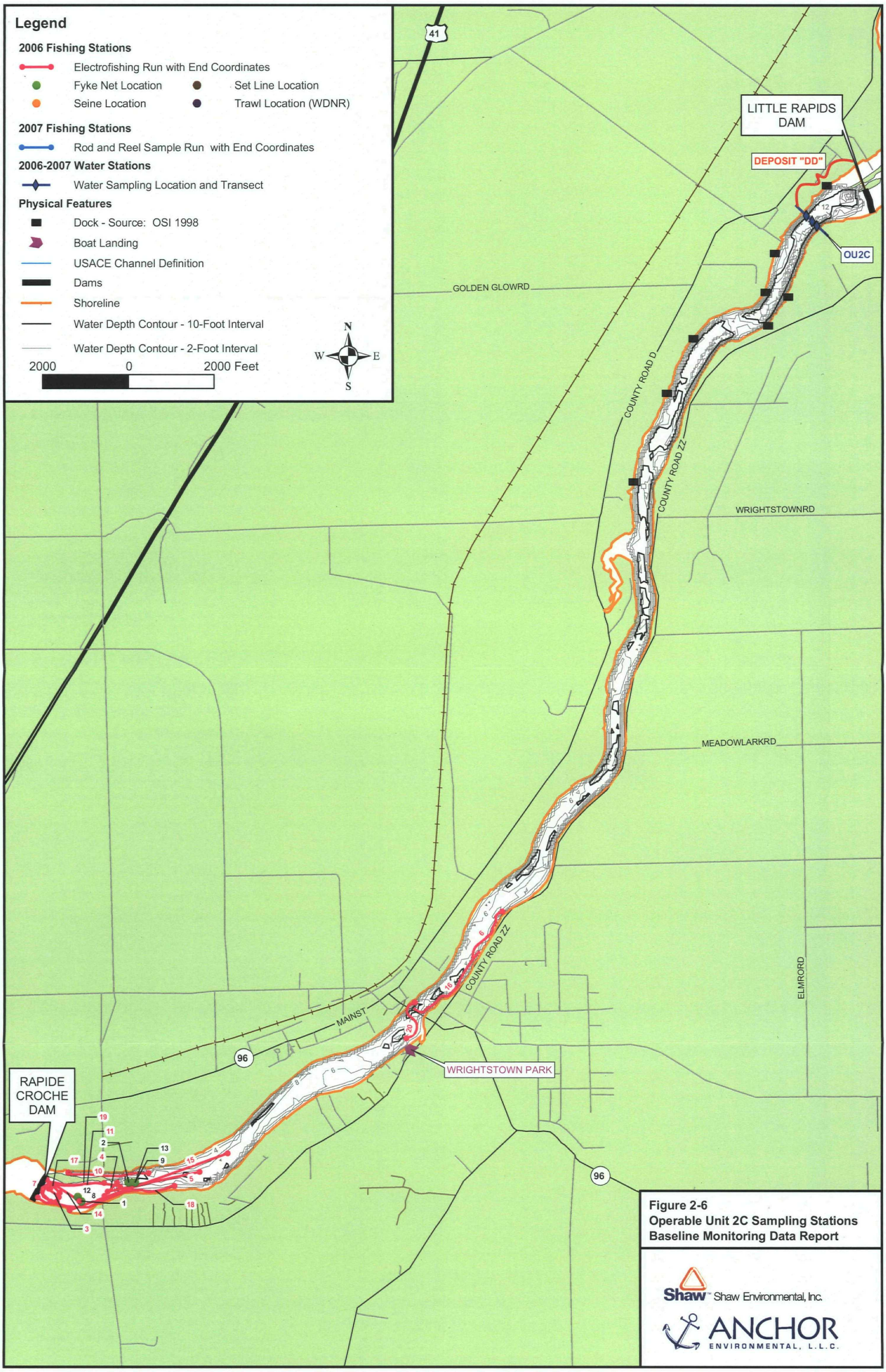

Figure 2-6
Operable Unit 2C Sampling Stations
Baseline Monitoring Data Report

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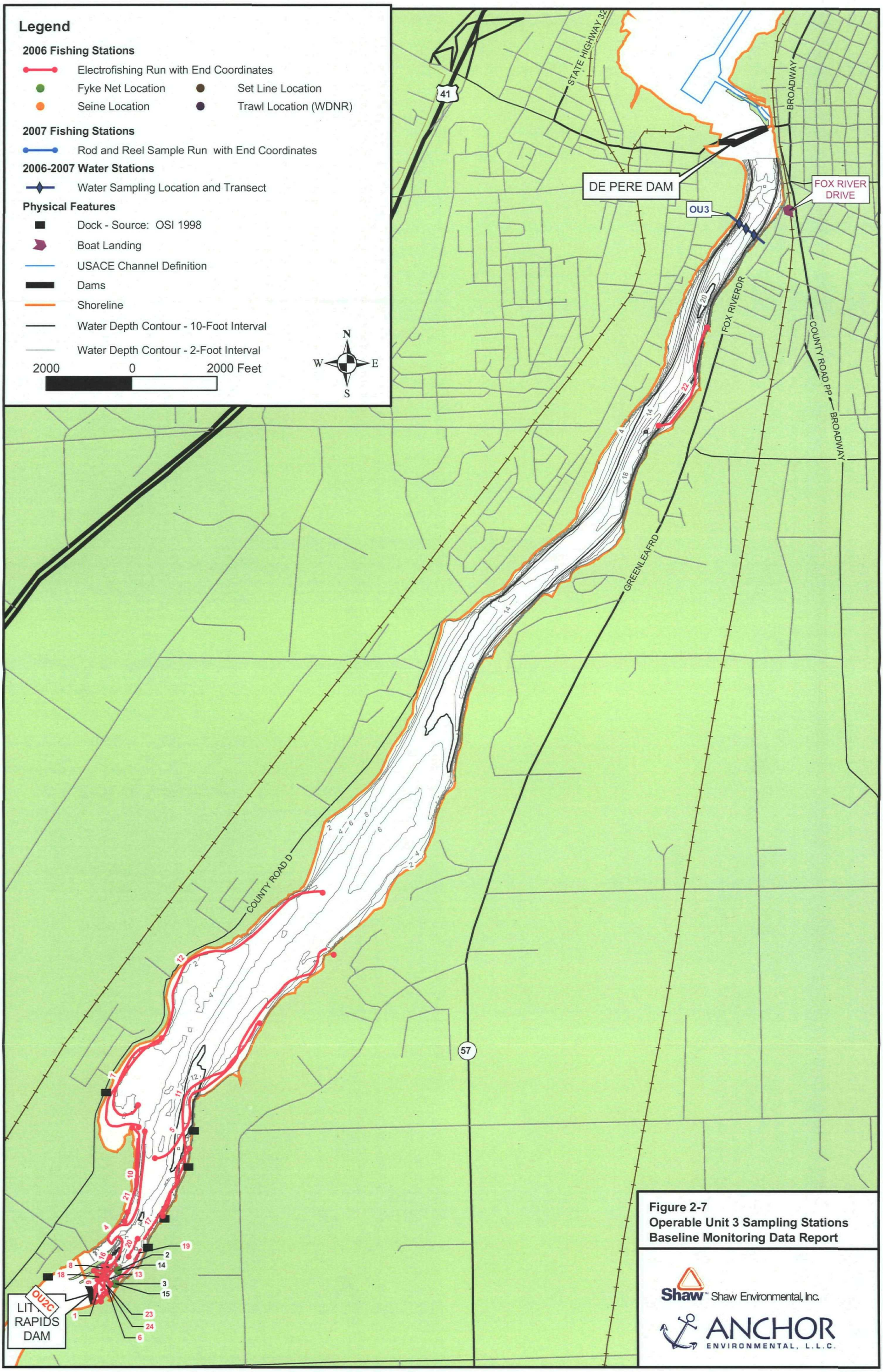

Figure 2-7
Operable Unit 3 Sampling Stations
Baseline Monitoring Data Report

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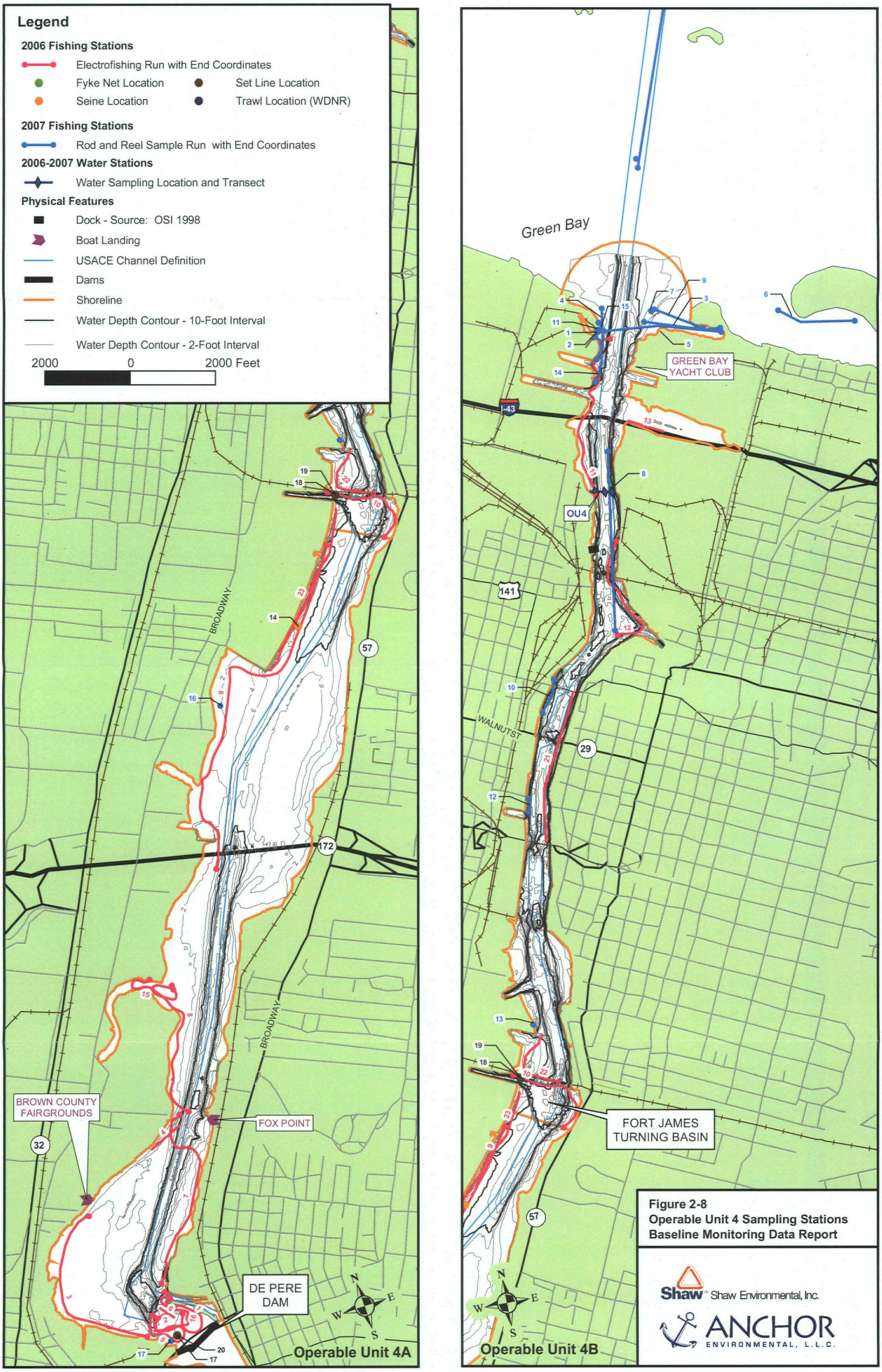

Figure 2-8
Operable Unit 4 Sampling Stations
Baseline Monitoring Data Report

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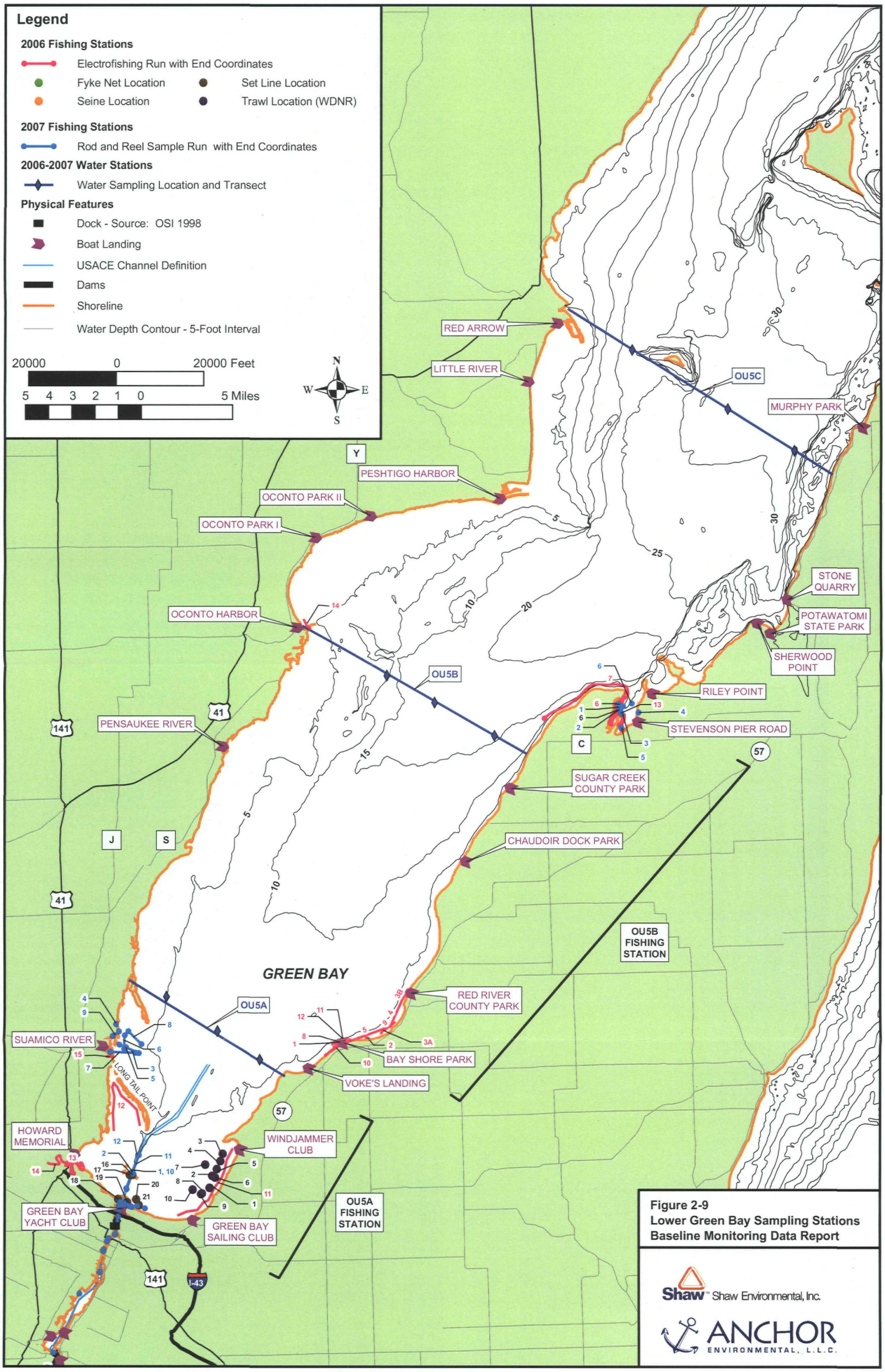

Figure 2-9
Lower Green Bay Sampling Stations
Baseline Monitoring Data Report

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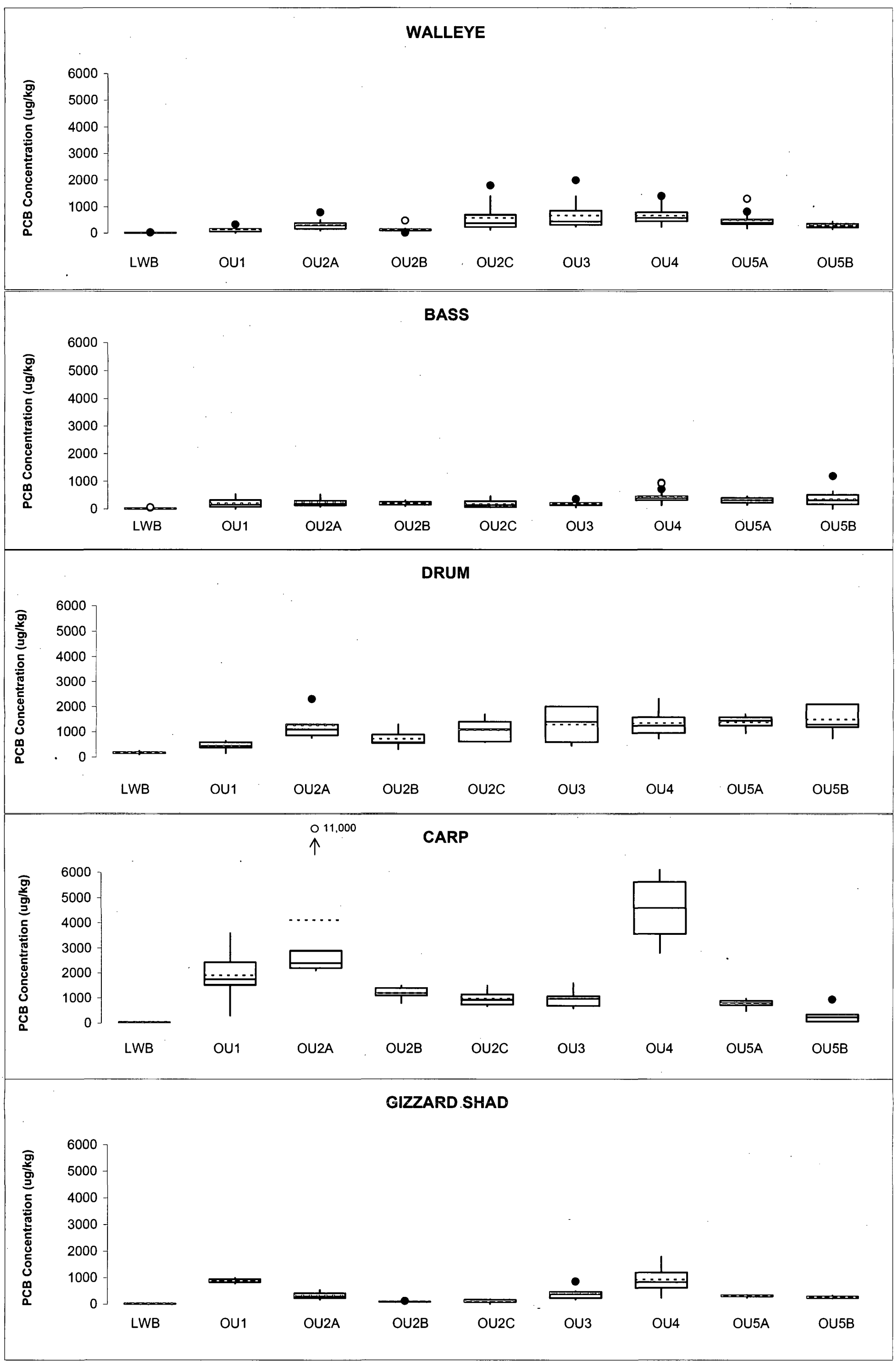

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Figure 3-1a
Box-and-Whisker Plots of Fish Tissue Data by Species (standard linear scale)
Baseline Monitoring Data Report
Lower Fox River Remedial Design

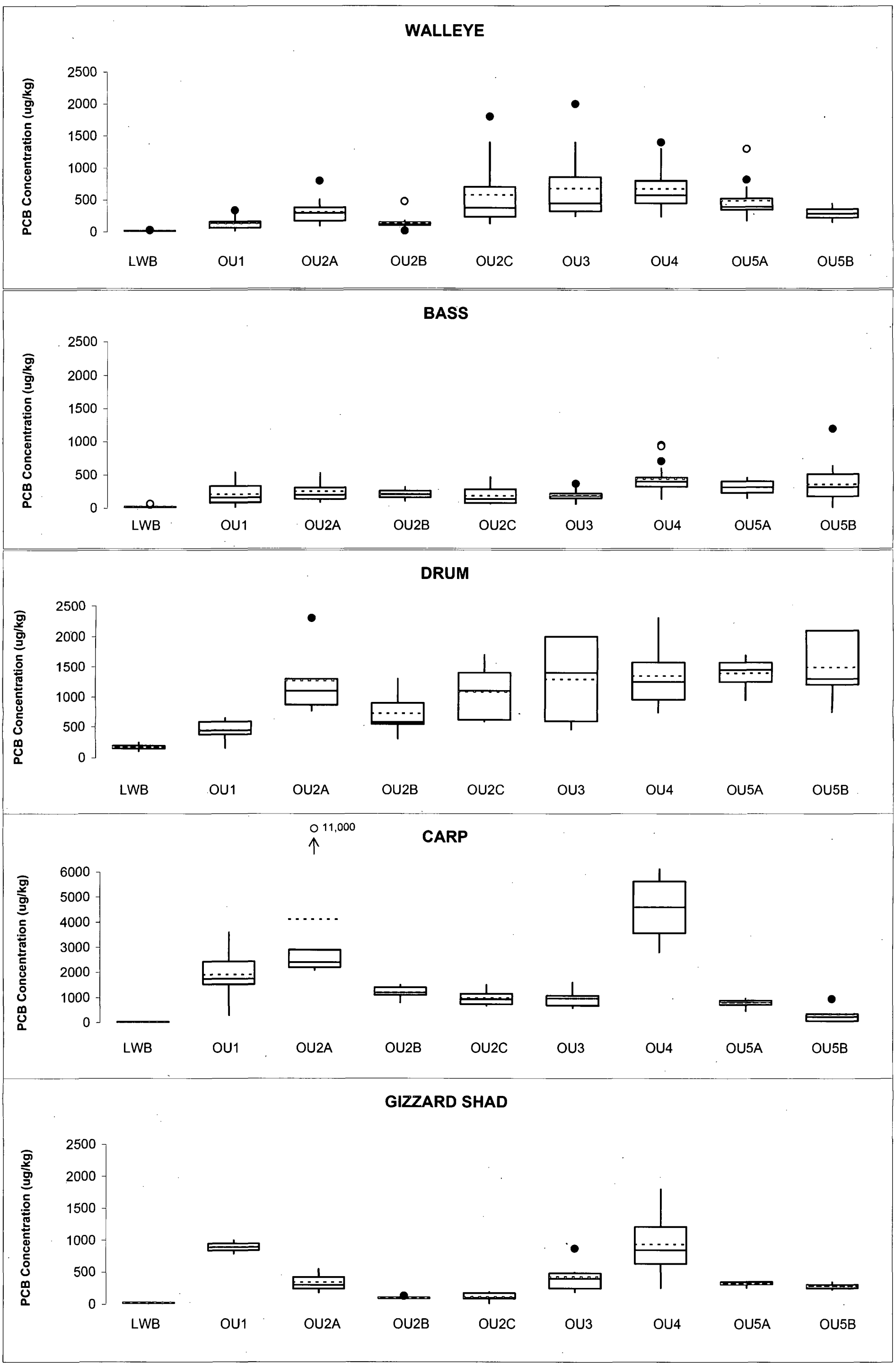

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Figure 3-1b
Box-and-Whisker Plots of Fish Tissue Data by Species (optimized linear scale)
Baseline Monitoring Data Report
Lower Fox River Remedial Design

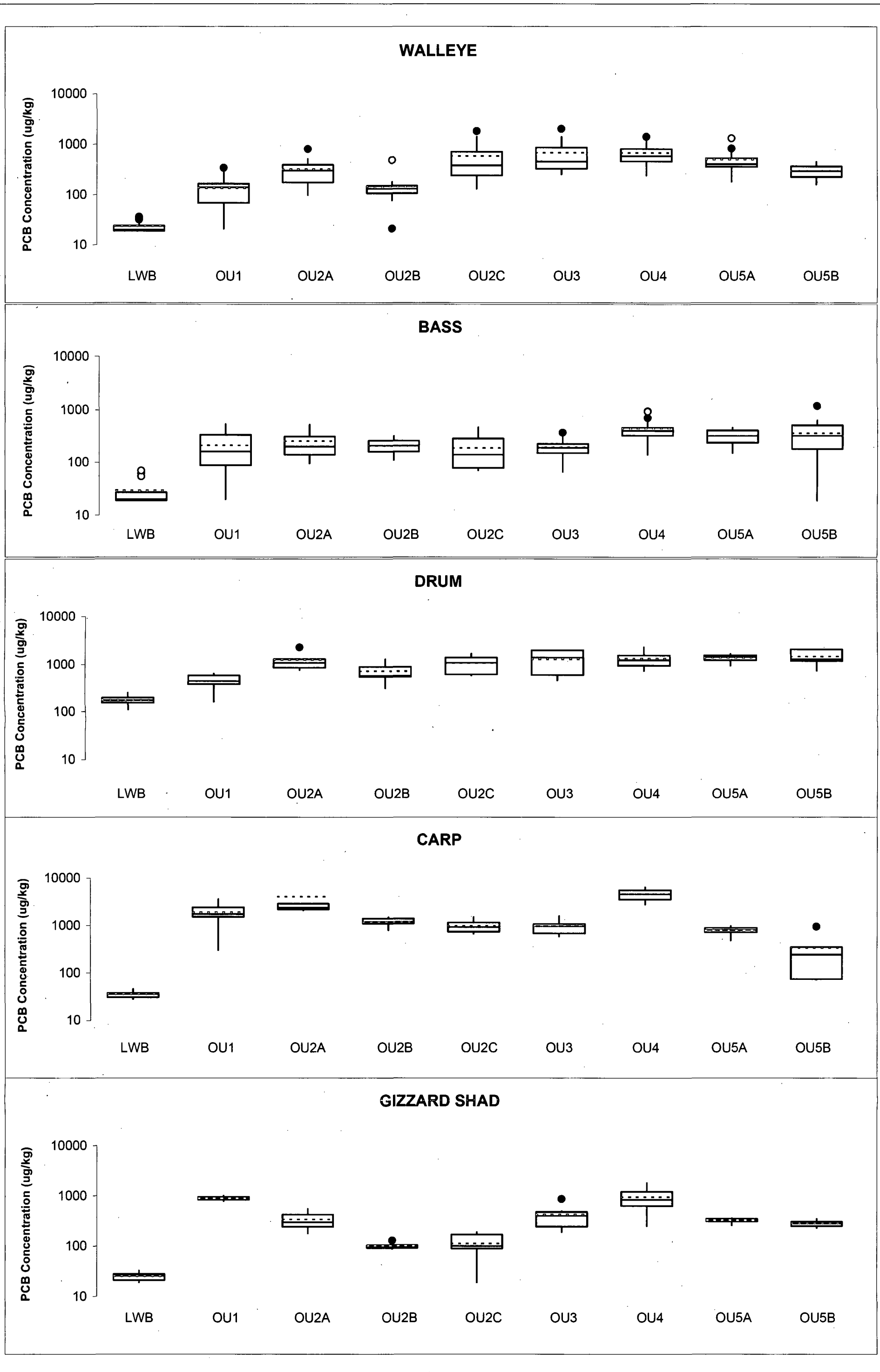

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Figure 3-1c
Box-and-Whisker Plots of Fish Tissue Data by Species (log scale)
Baseline Monitoring Data Report
Lower Fox River Remedial Design

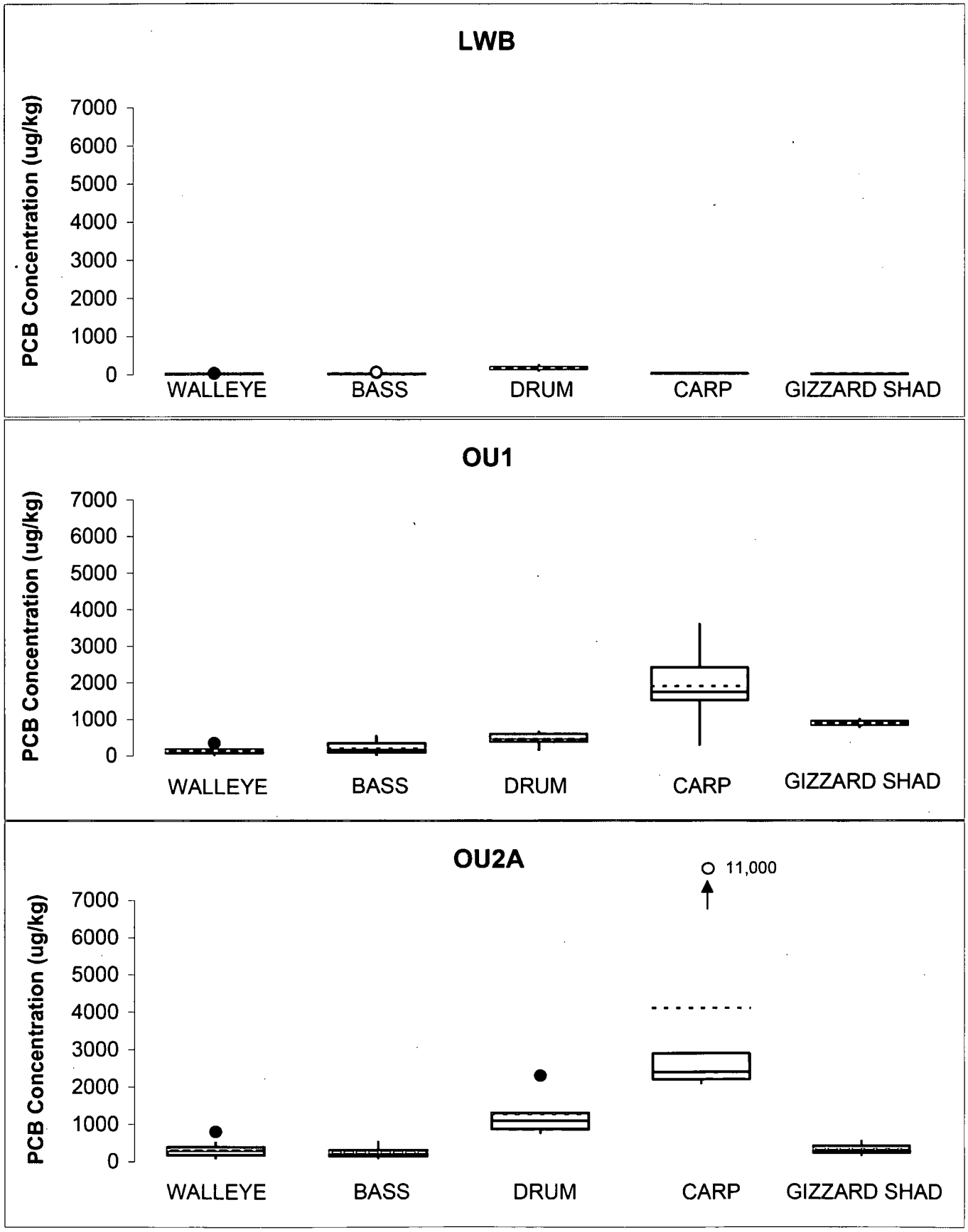

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Figure 3-2a
Box-and-Whisker Plots of Fish Tissue Data
LWB, OU 1, OU 2A (standard linear scale)
Baseline Monitoring Data Report / Lower Fox River Remedial Design

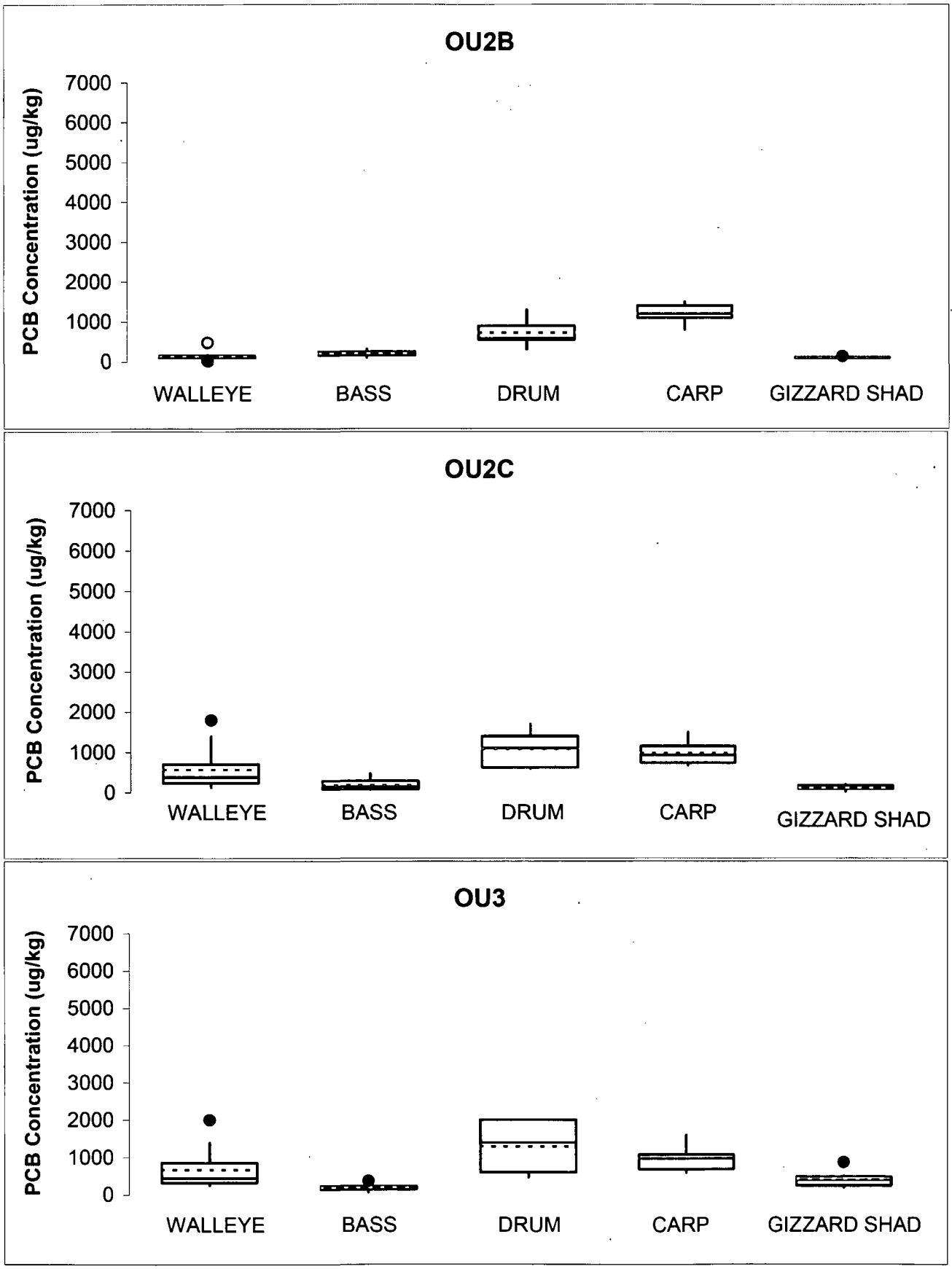

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Figure 3-2b
Box-and-Whisker Plots of Fish Tissue Data
OU 2B, OU 2C, OU 3 (standard linear scale)
Baseline Monitoring Data Report / Lower Fox River Remedial Design

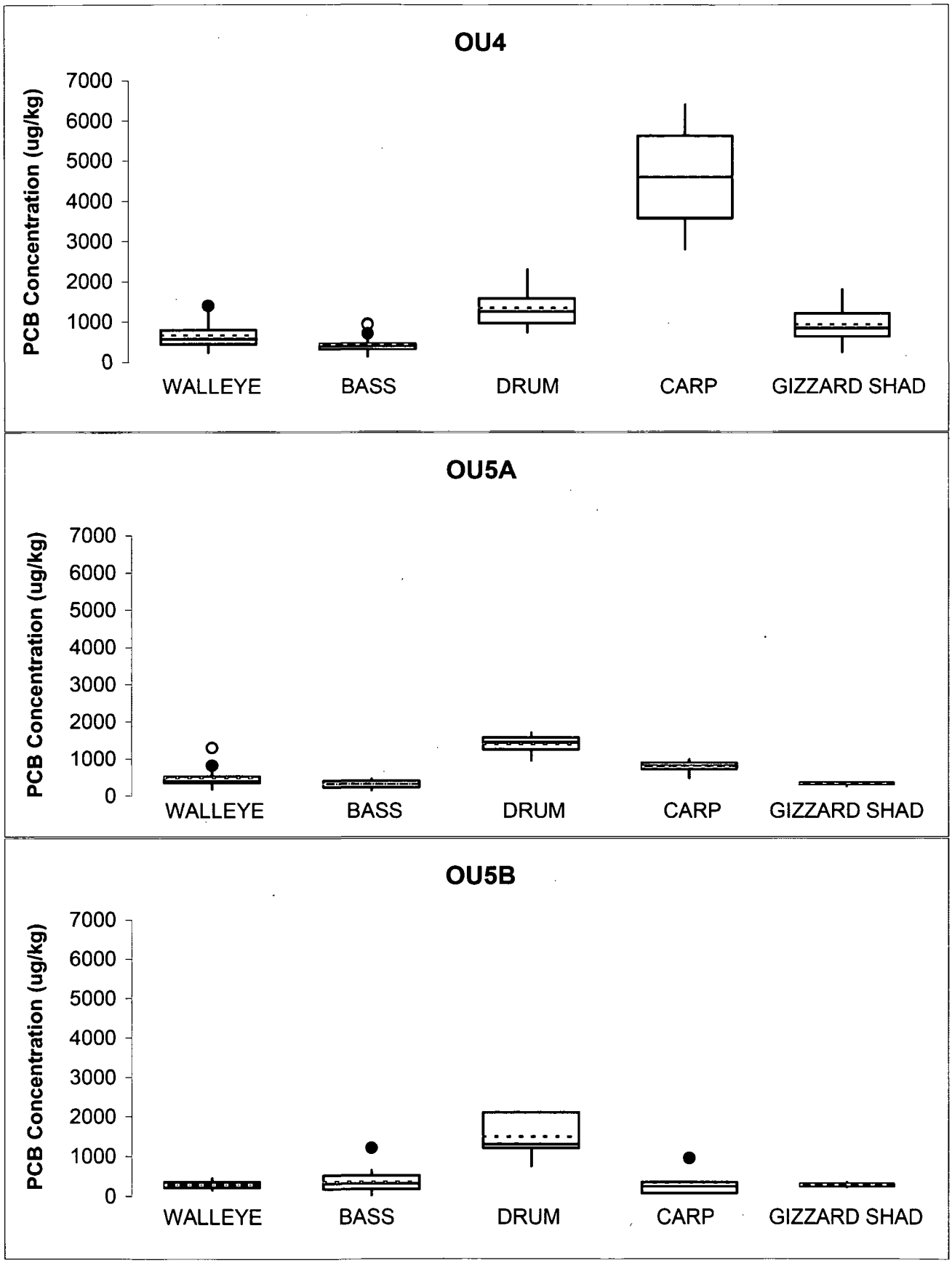

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Figure 3-2c
Box-and-Whisker Plots of Fish Tissue Data
OU 4, OU 5A, OU 5B (standard linear scale)
Baseline Monitoring Data Report / Lower Fox River Remedial Design

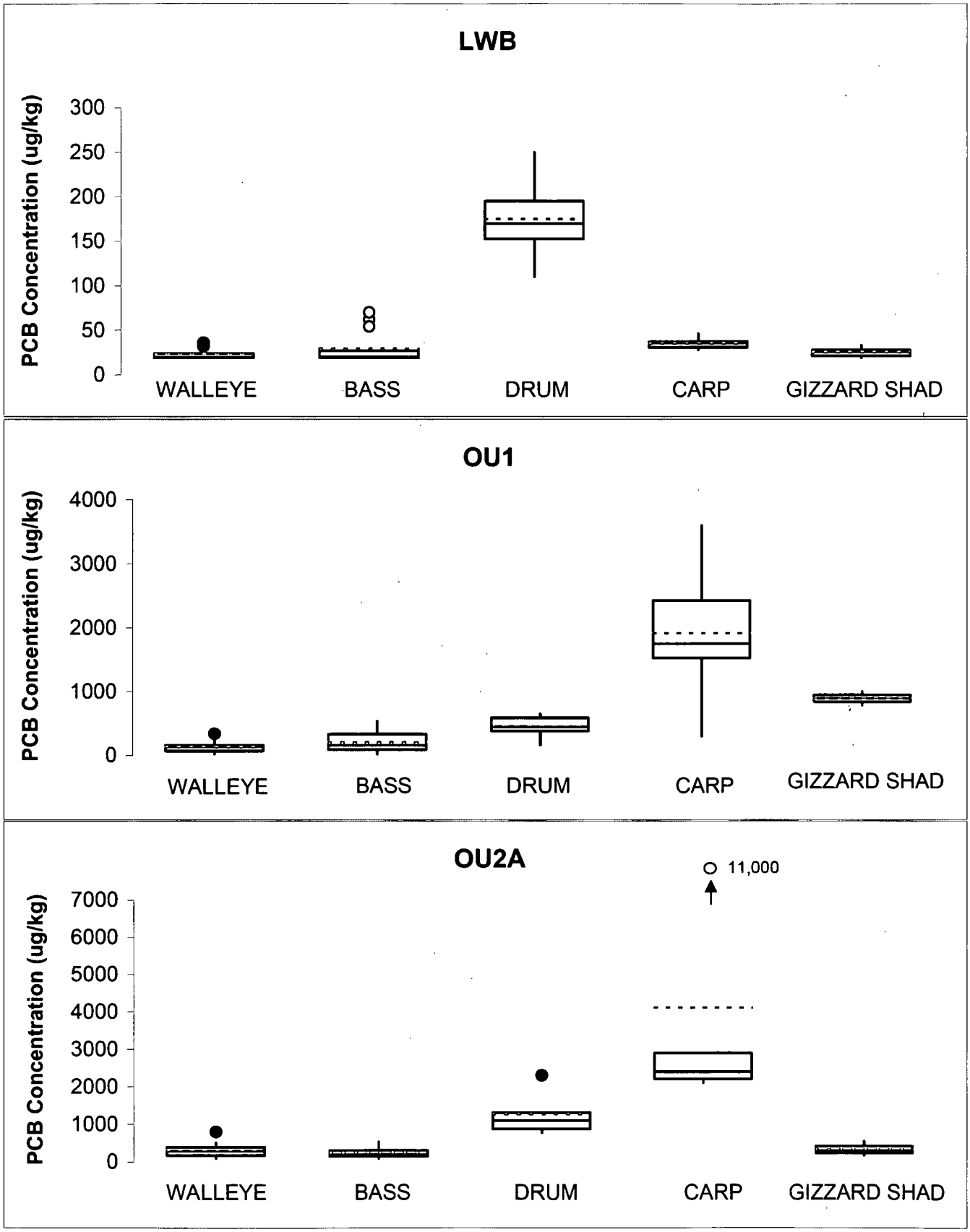

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Figure 3-2d
Box-and-Whisker Plots of Fish Tissue Data
LBW, OU 1, OU 2A (optimized linear scale)
Baseline Monitoring Data Report / Lower Fox River Remedial Design

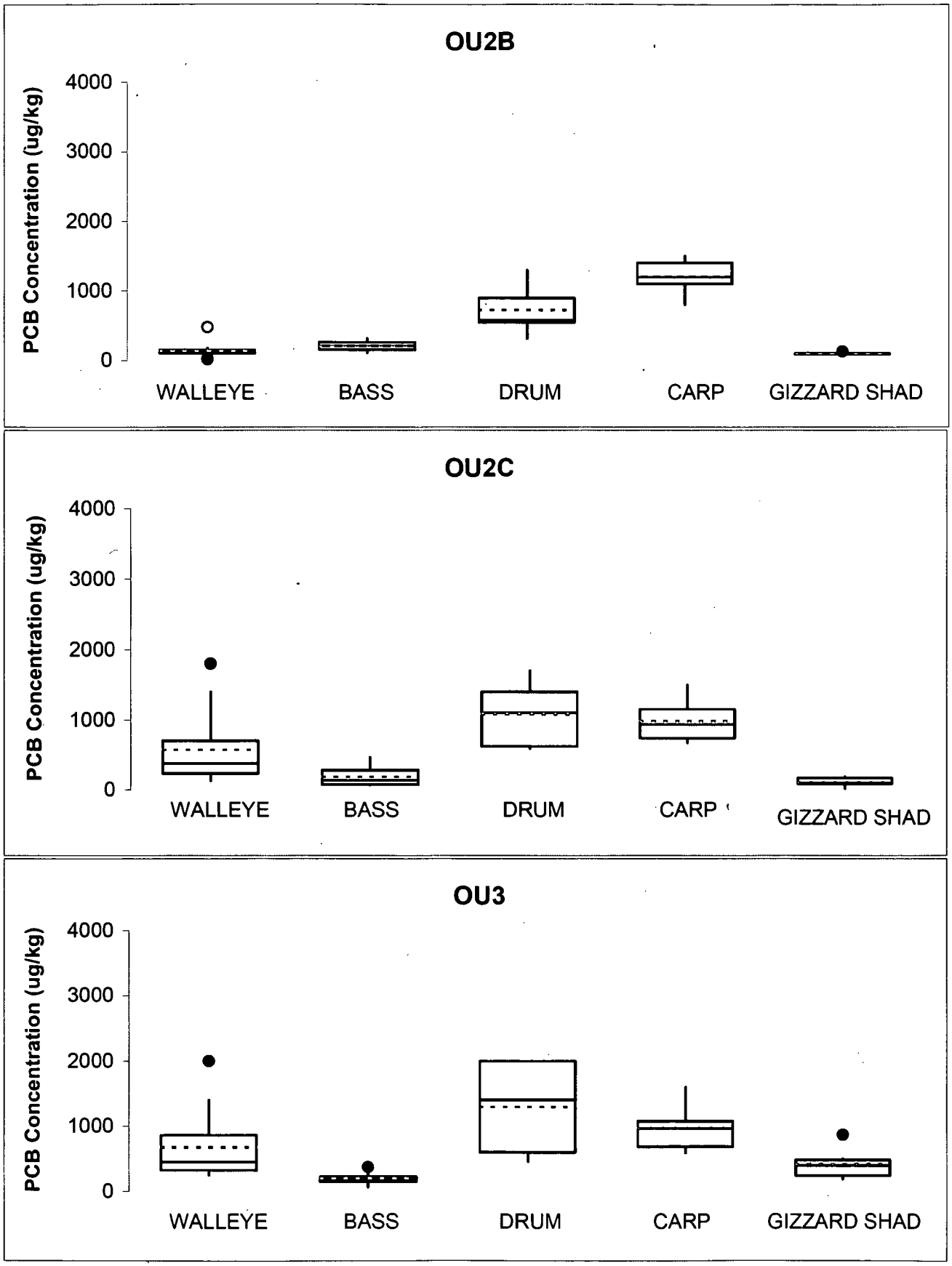

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Figure 3-2e
Box-and-Whisker Plots of Fish Tissue Data
OU 2B, OU 2C, OU 3 (optimized linear scale)
Baseline Monitoring Data Report / Lower Fox River Remedial Design

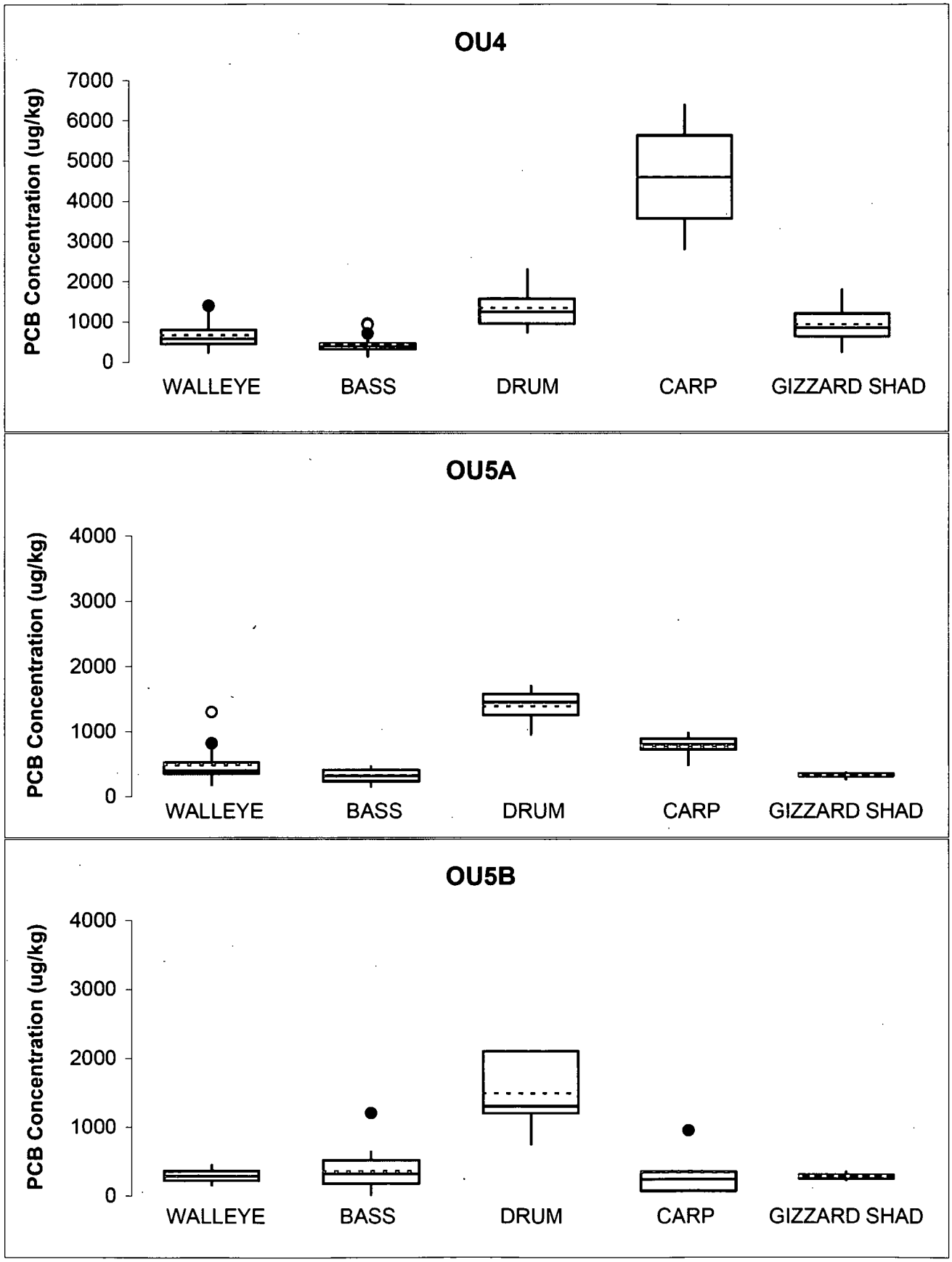

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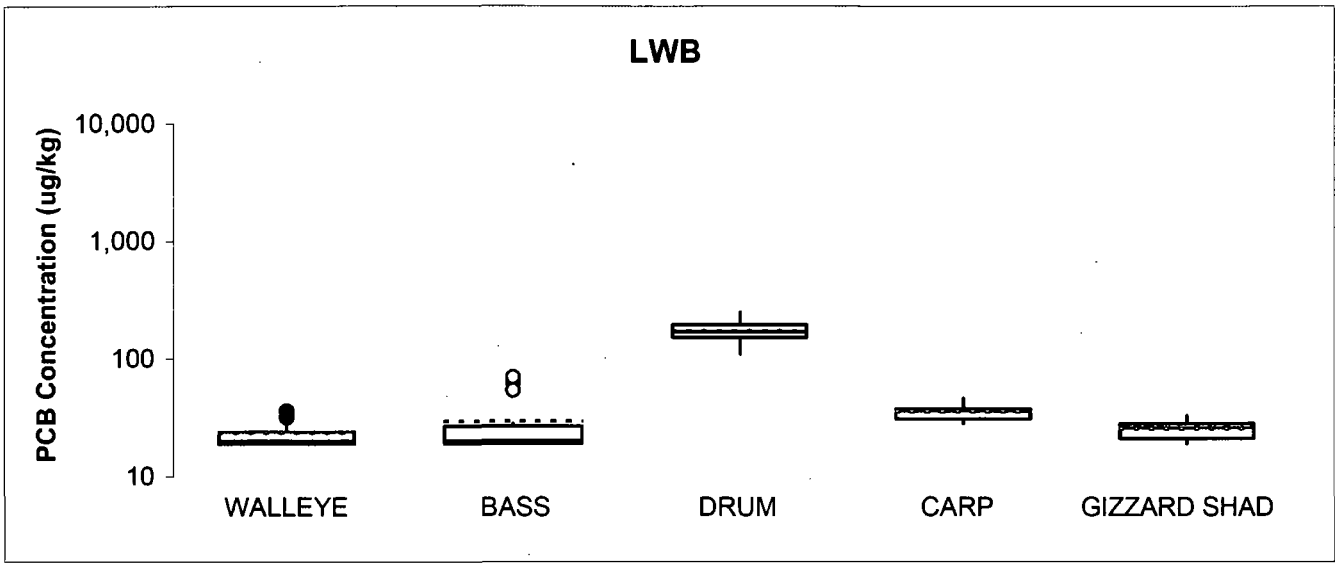
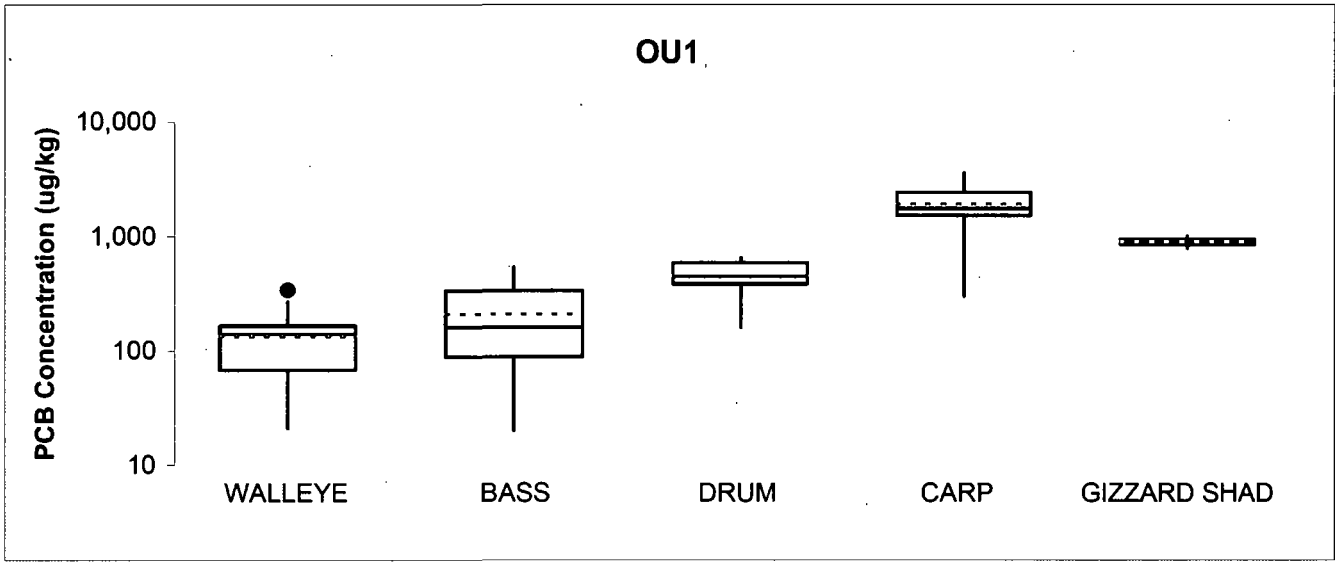
Figure 3-2f
Box-and-Whisker Plots of Fish Tissue Data
OU 4, OU 5A, OU 5B (optimized linear scale)
Baseline Monitoring Data Report / Lower Fox River Remedial Design





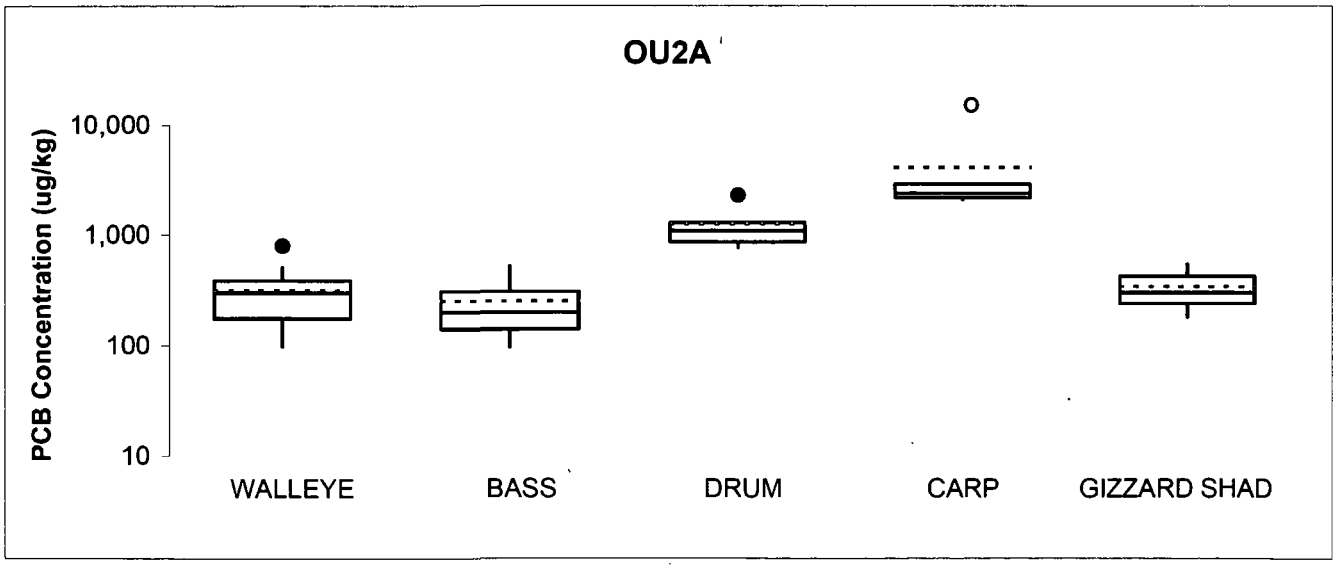


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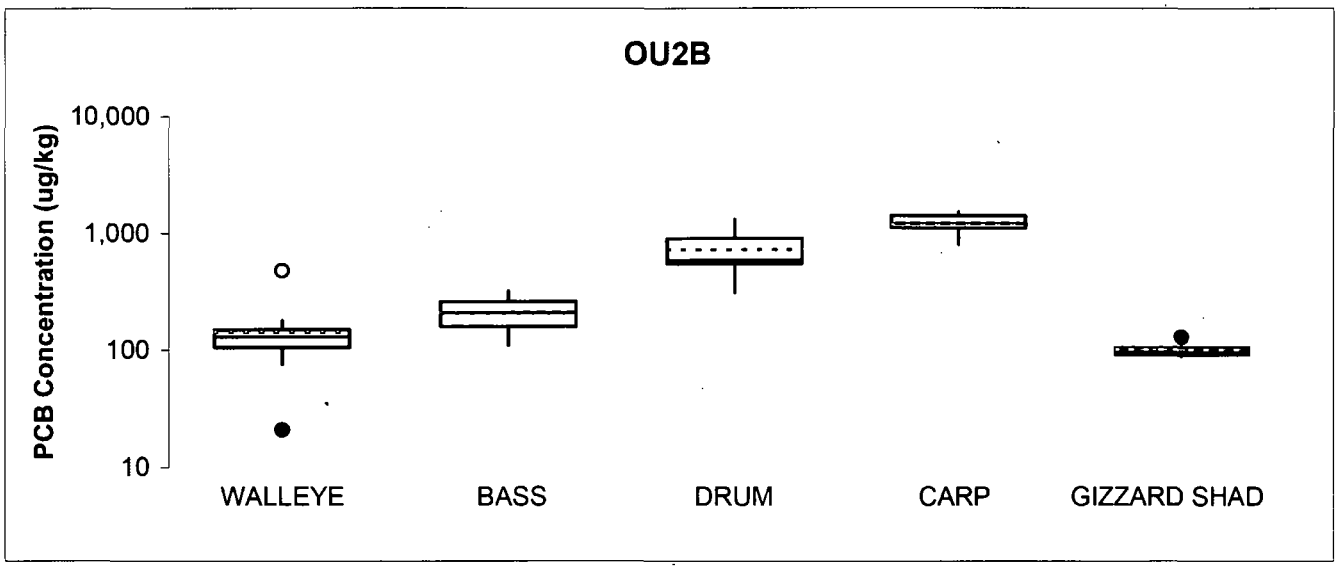
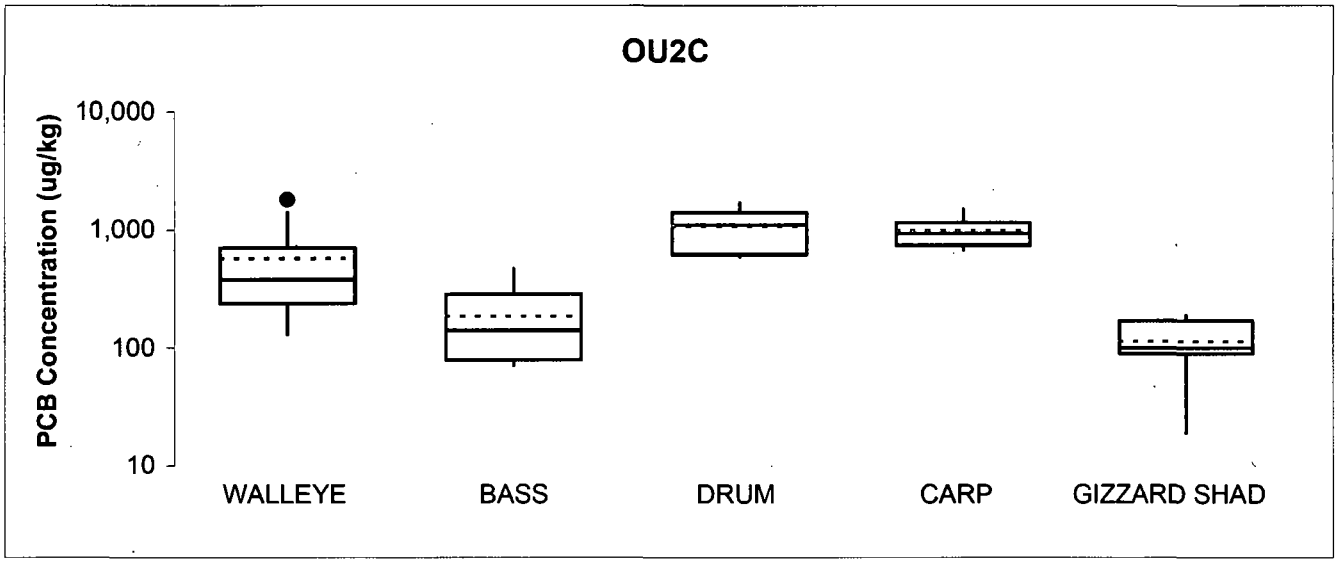
Figure 3-2g
Box-and-Whisker Plots of Fish Tissue Data
LBW, OU 1, OU 2A (log scale)
Baseline Monitoring Data Report / Lower Fox River Remedial Design





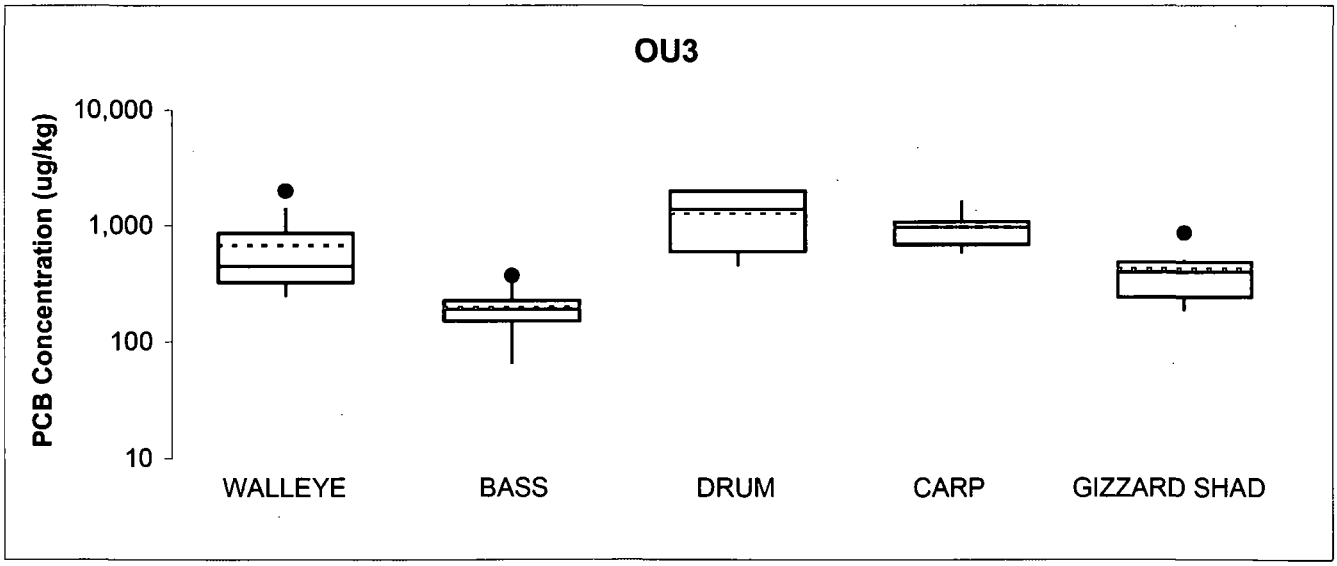


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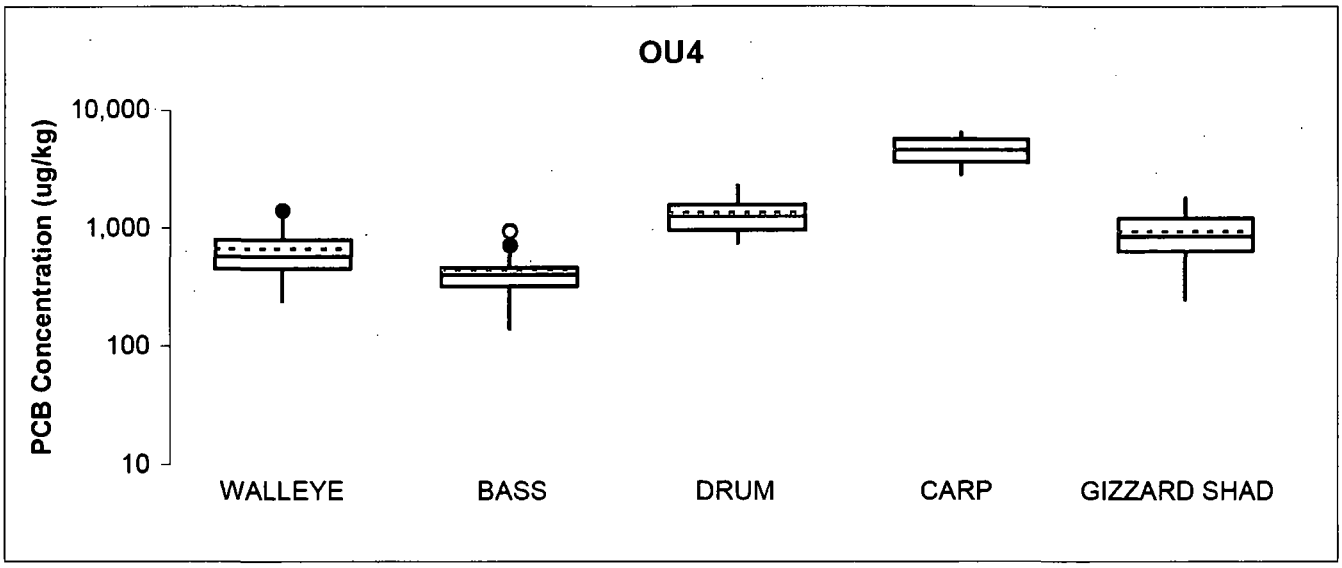
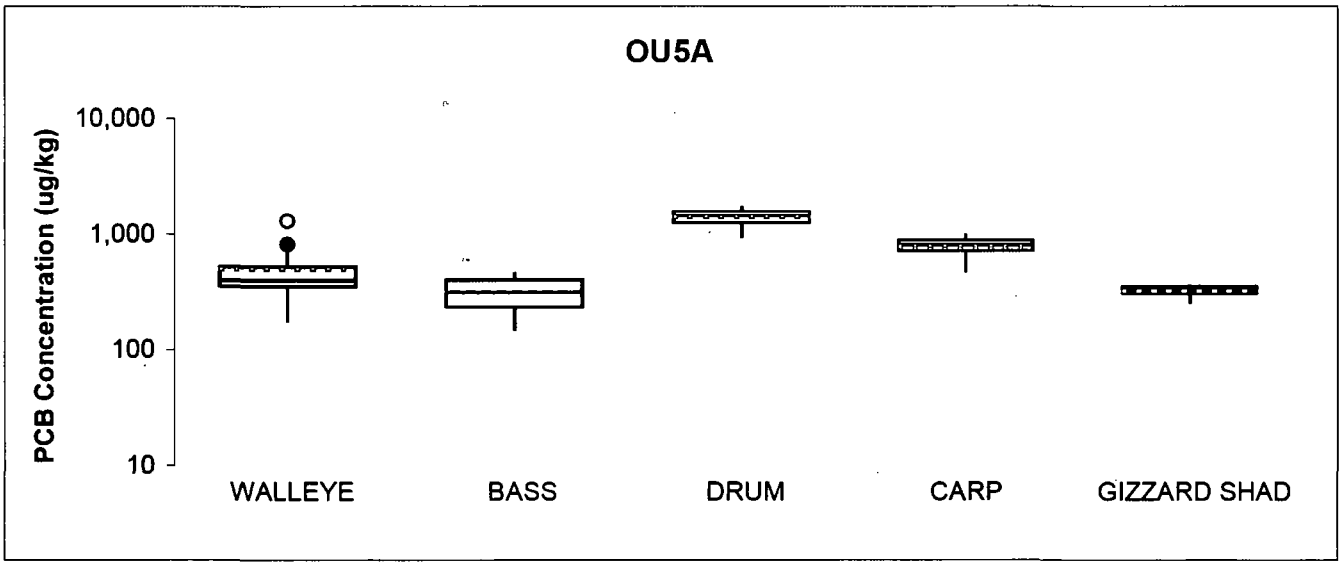
Figure 3-2h
Box-and-Whisker Plots of Fish Tissue Data
OU 2B, OU 2C, OU 3 (log scale)
Baseline Monitoring Data Report / Lower Fox River Remedial Design





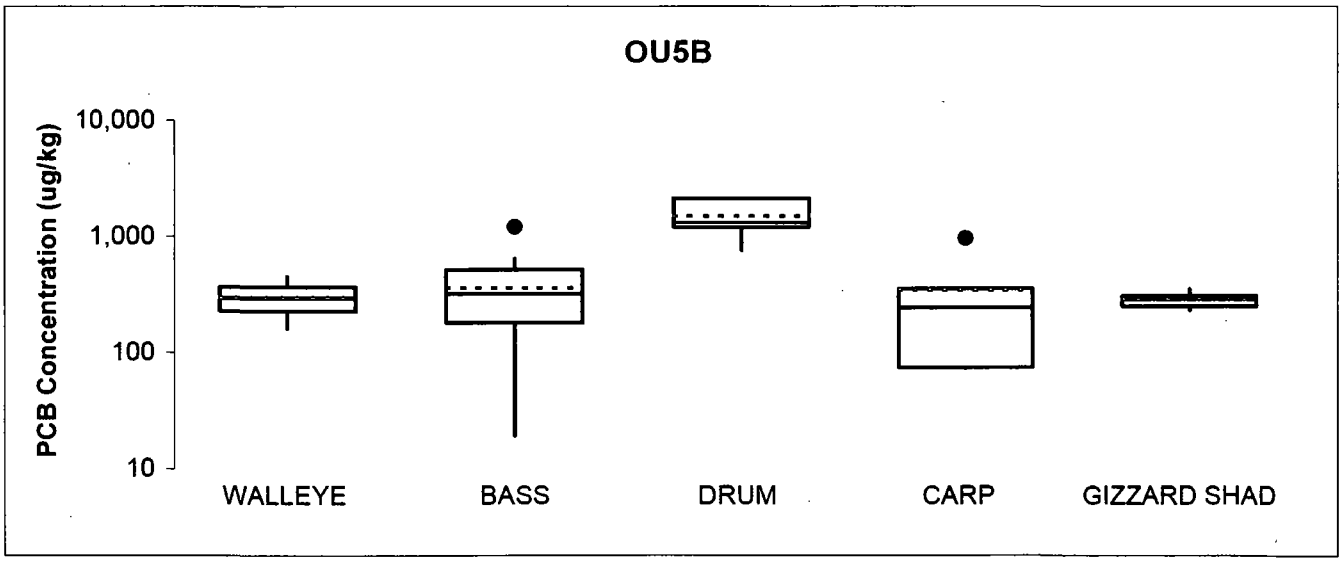


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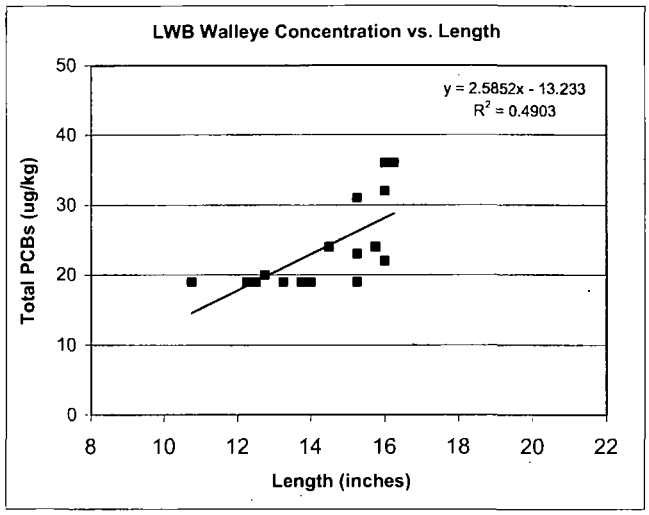
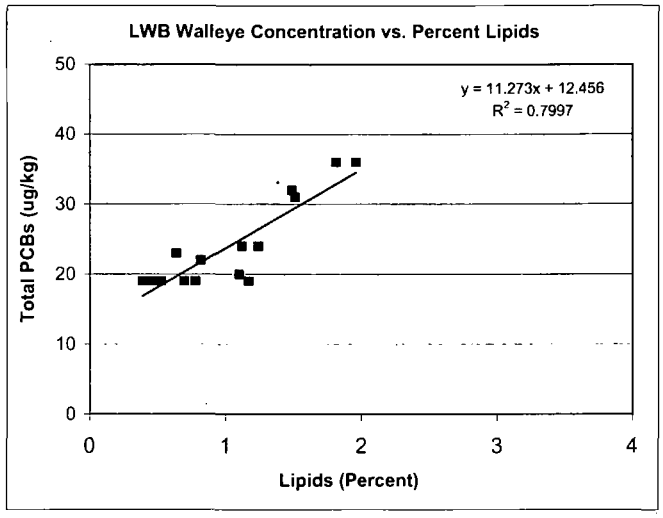
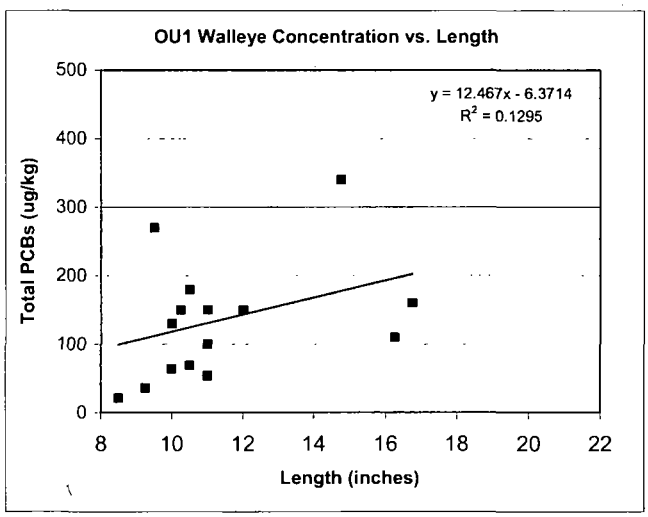
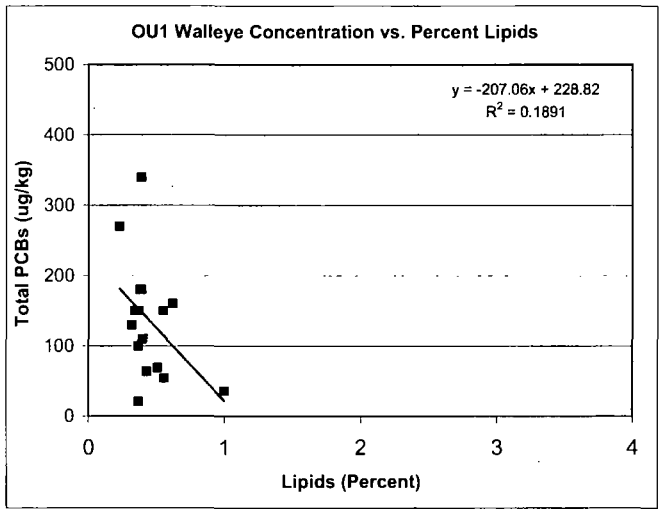
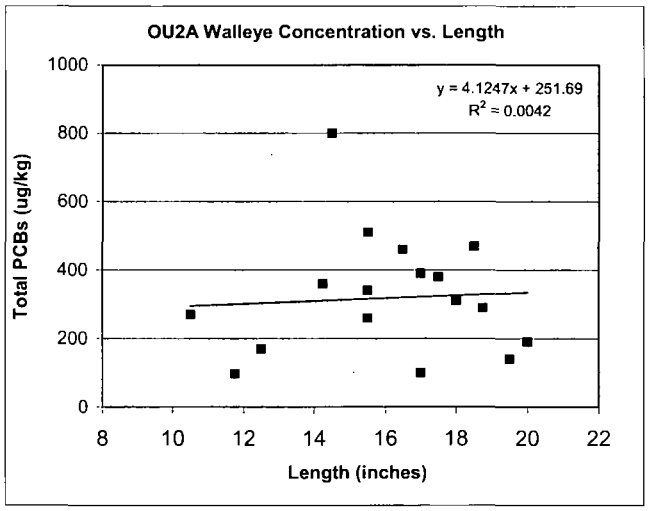
Figure 3-2i
Box-and-Whisker Plots of Fish Tissue Data
OU 4, OU 5A, OU 5B (log scale)
Baseline Monitoring Data Report / Lower Fox River Remedial Design











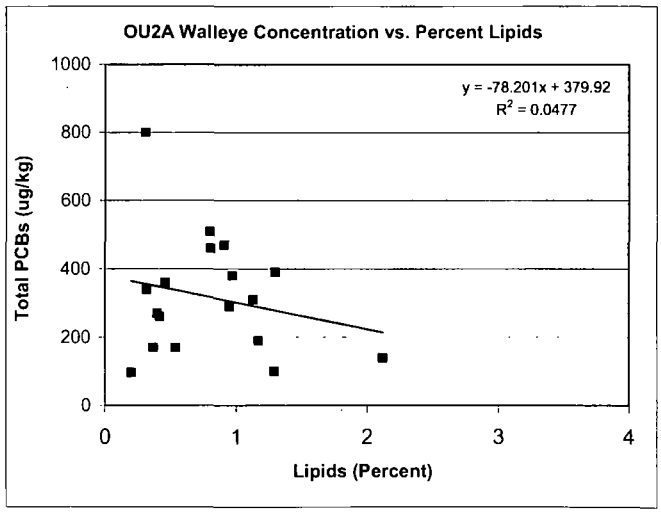


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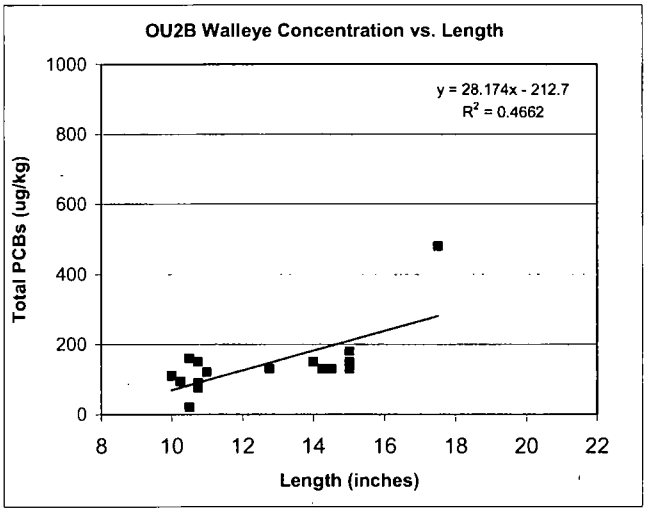
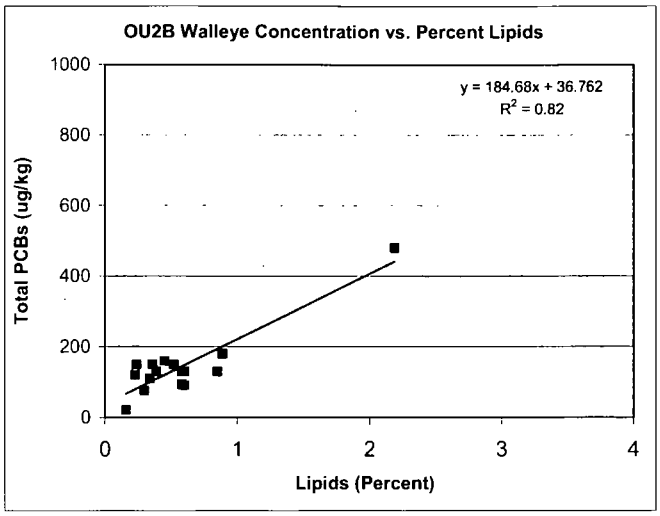
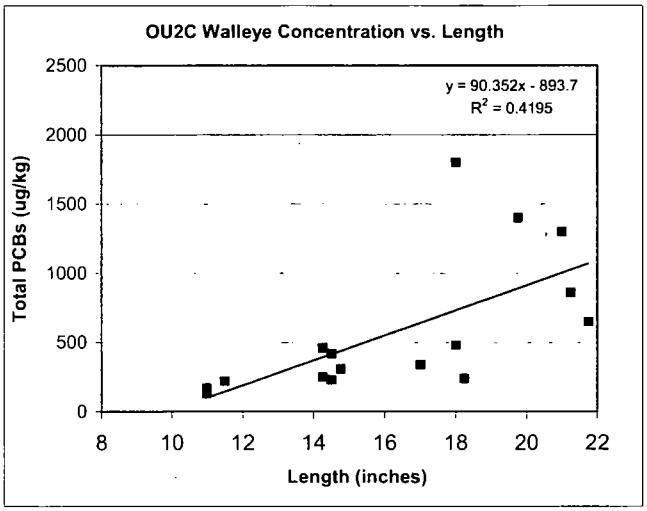
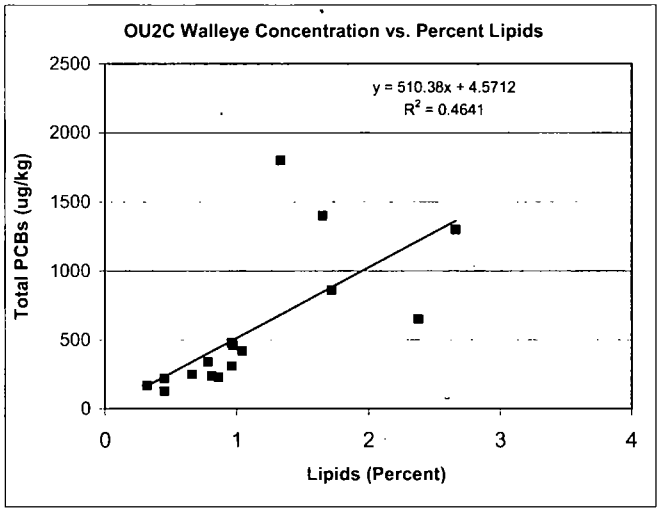
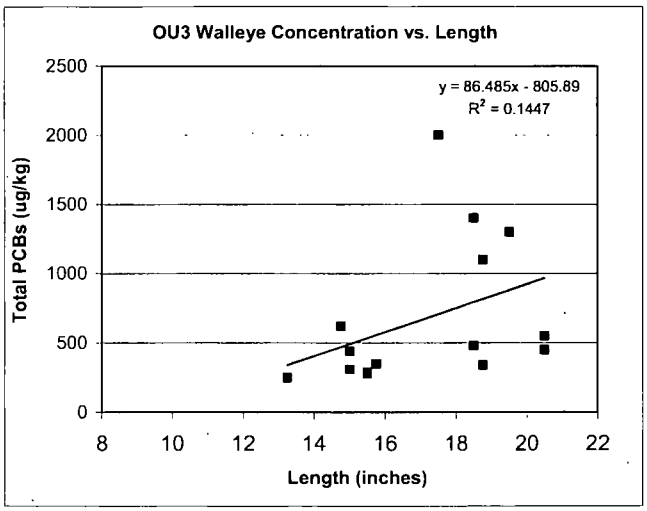
Figure 3-3a
PCB Correlations with Length and Lipids in Walleye
Baseline Monitoring Data Report
Lower Fox River Remedial Design

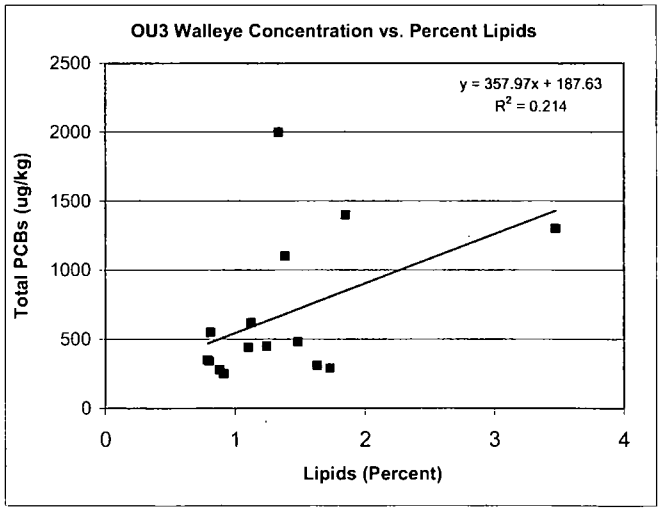






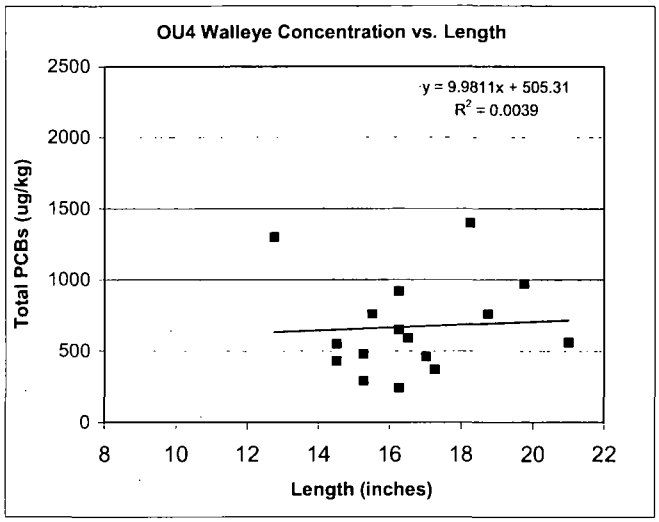


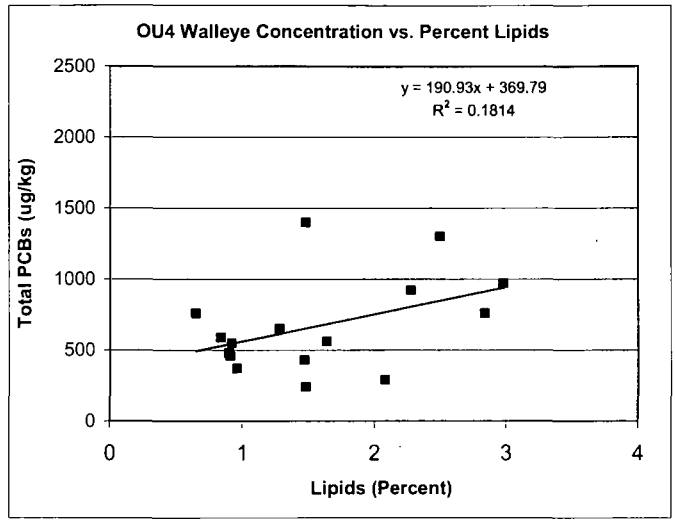


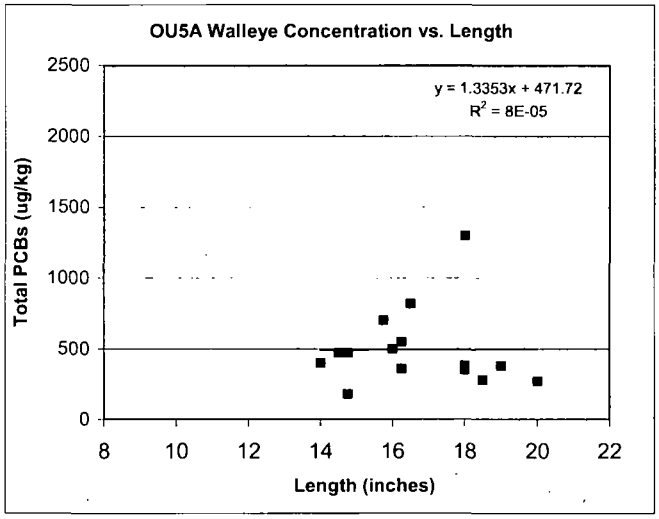


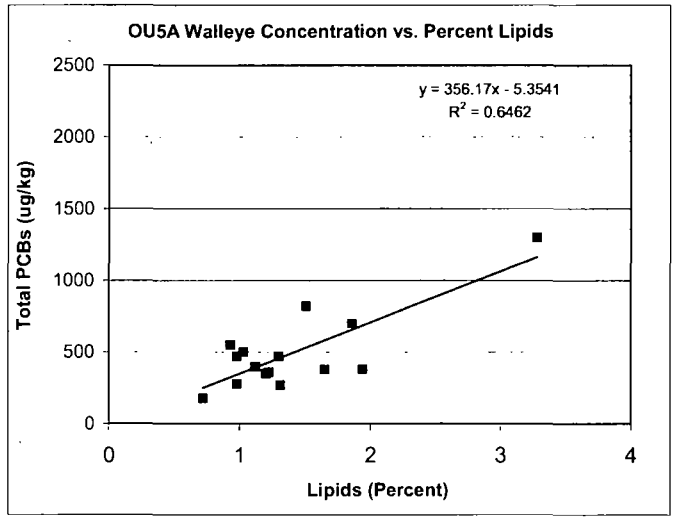
ANCHOR ENVIRONMENTAL, L.L.C.

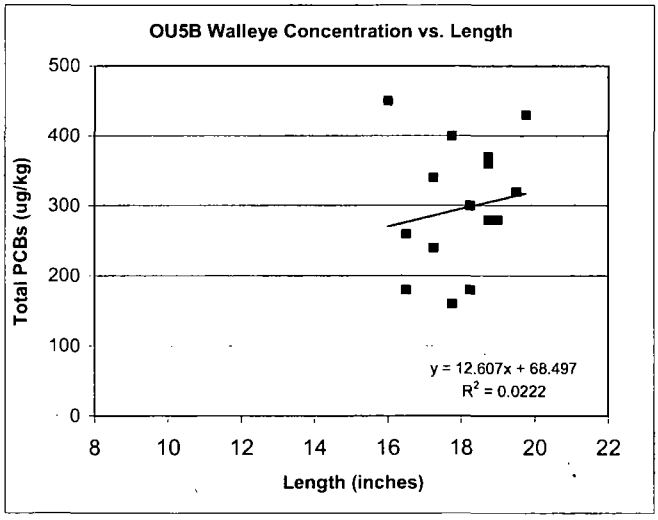
Figure 3-3b
PCB Correlations with Length and Lipids in Walleye
Baseline Monitoring Data Report
Lower Fox River Remedial Design

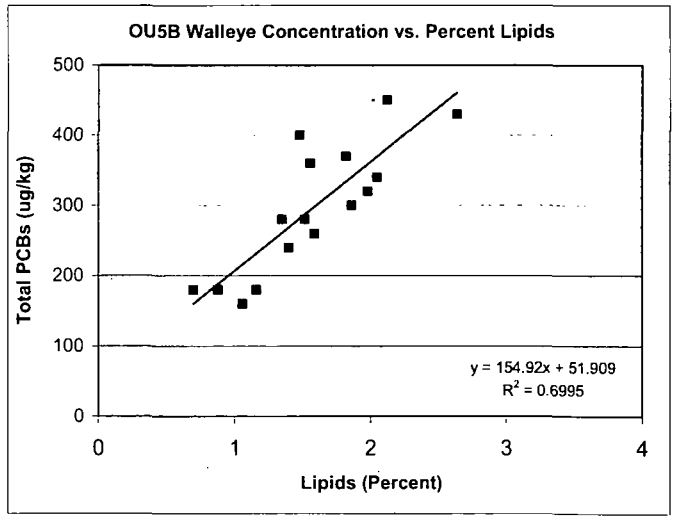






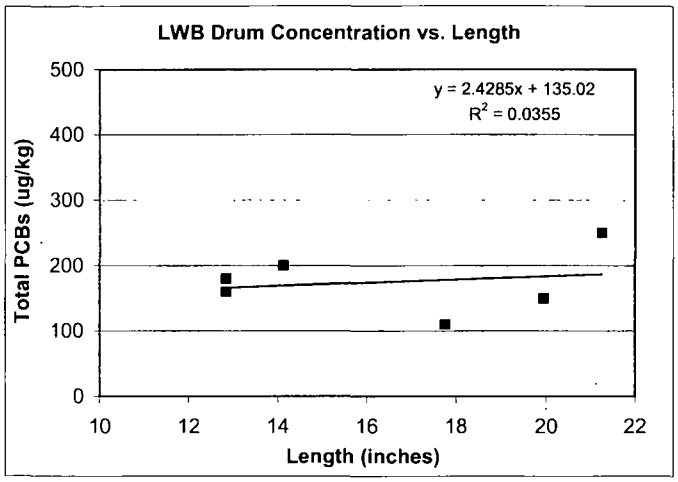


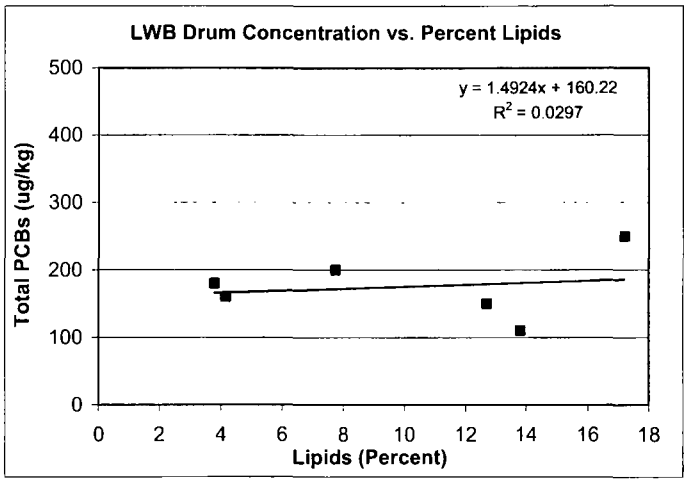


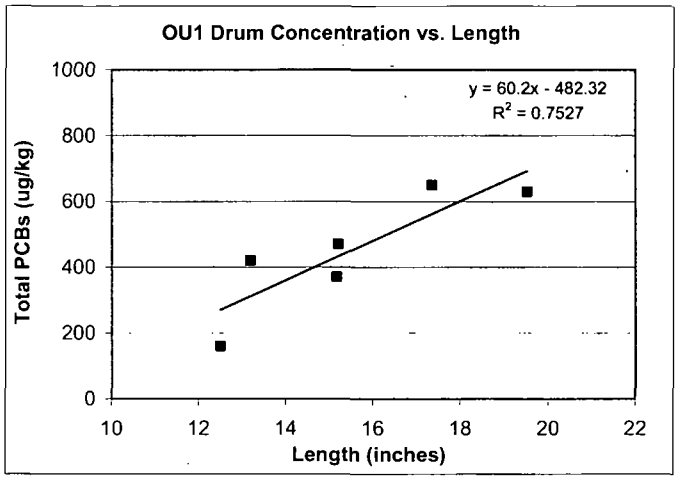


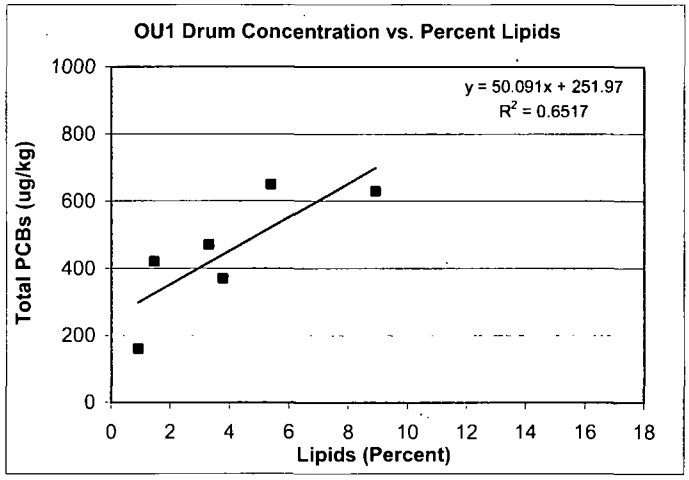
ANCHOR ENVIRONMENTAL, L.L.C.

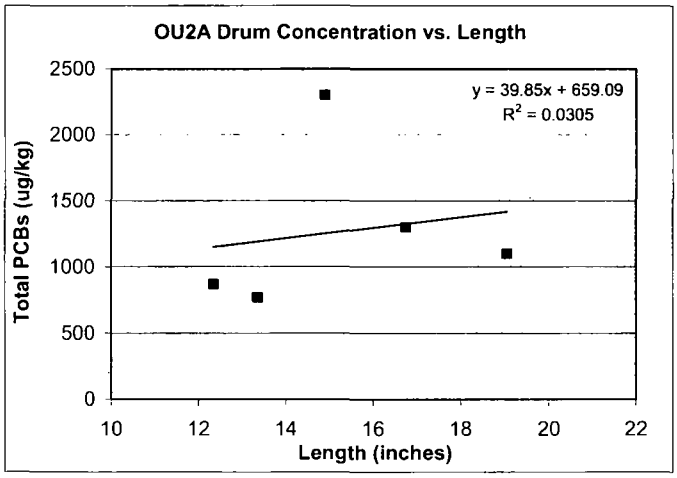
Figure 3-3c
PCB Correlations with Length and Lipids in Walleye
Baseline Monitoring Data Report
Lower Fox River Remedial Design

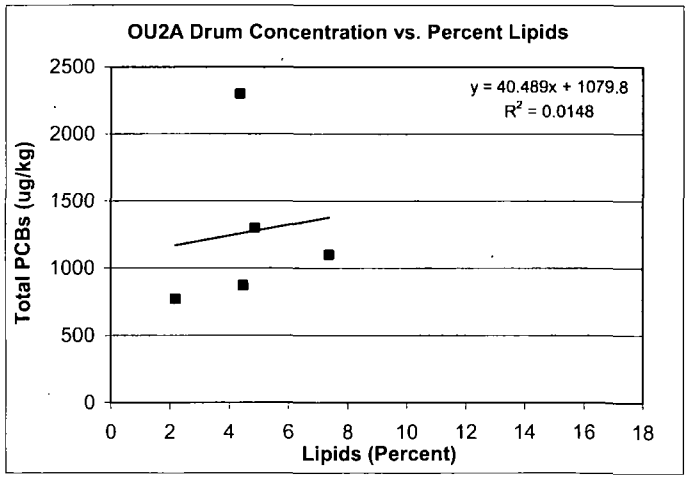






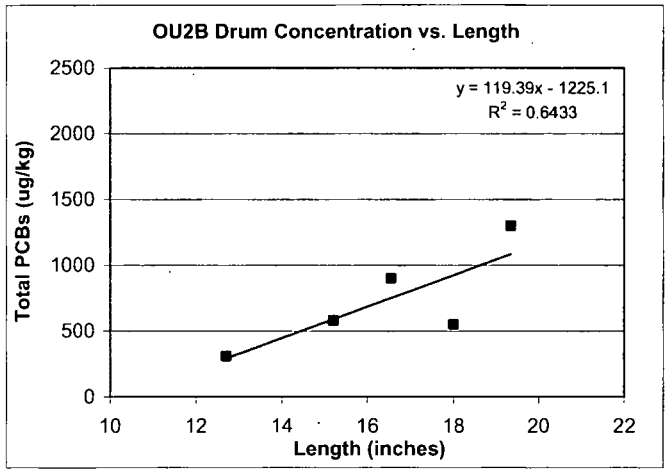


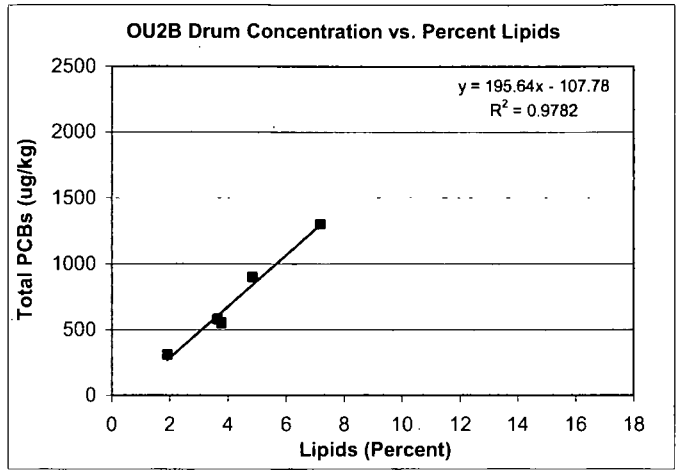


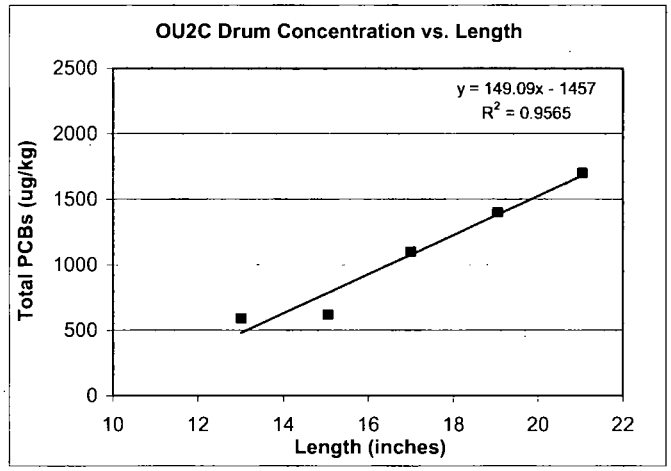


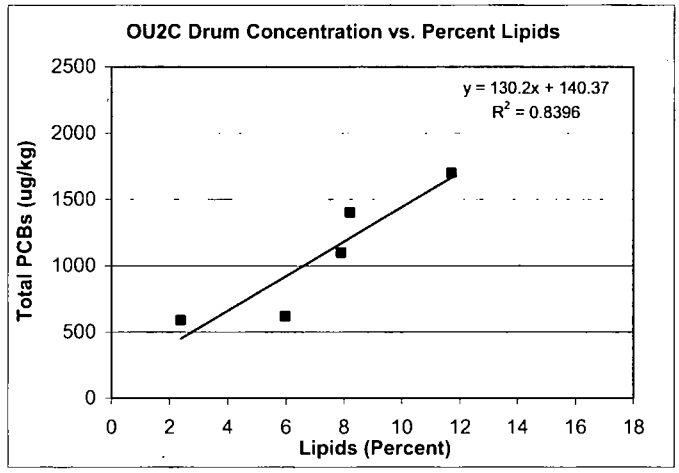
ANCHOR ENVIRONMENTAL, L.L.C.

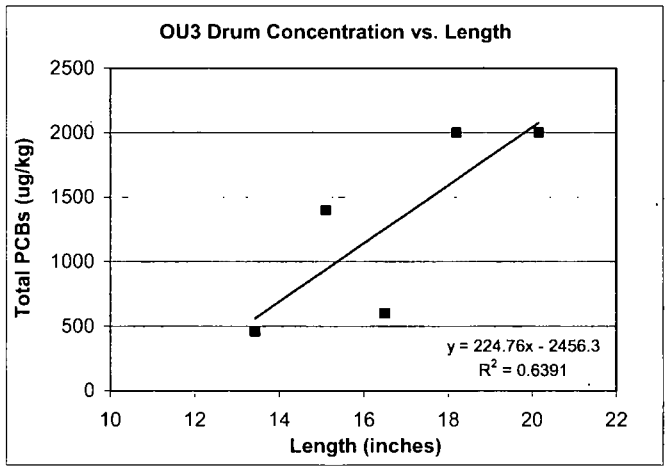
Figure 3-4a
PCB Correlations with Length and Lipids in Drum
Baseline Monitoring Data Report
Lower Fox River Remedial Design











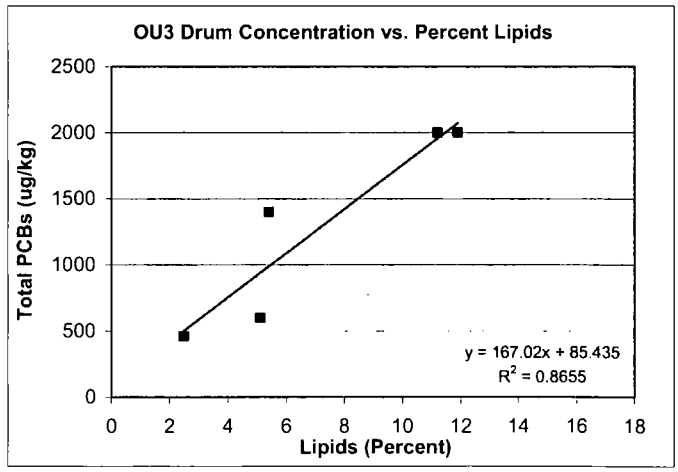


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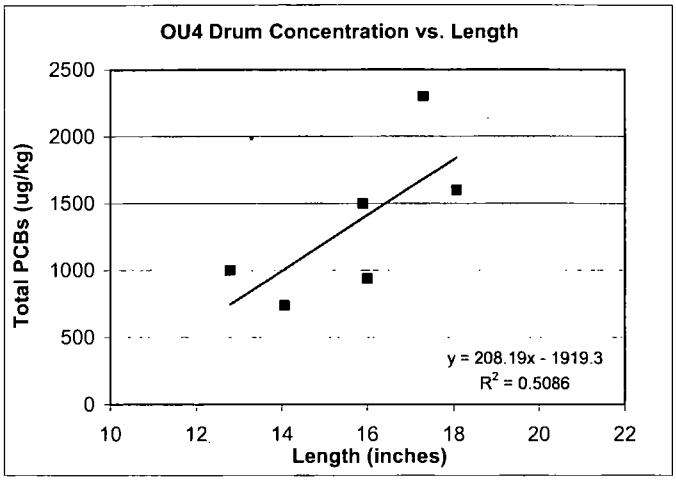
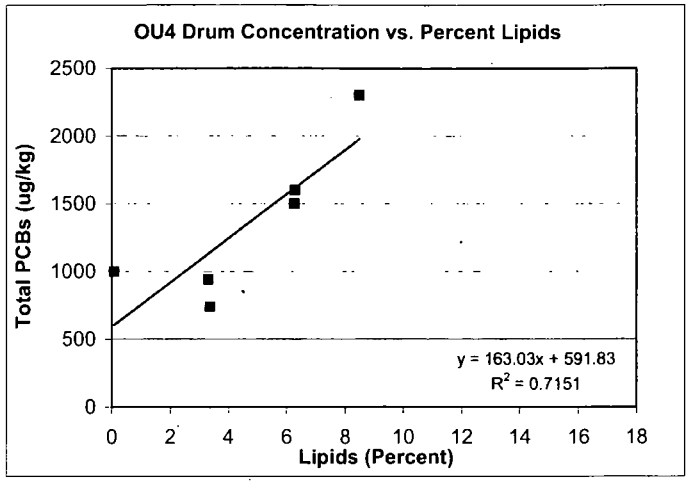
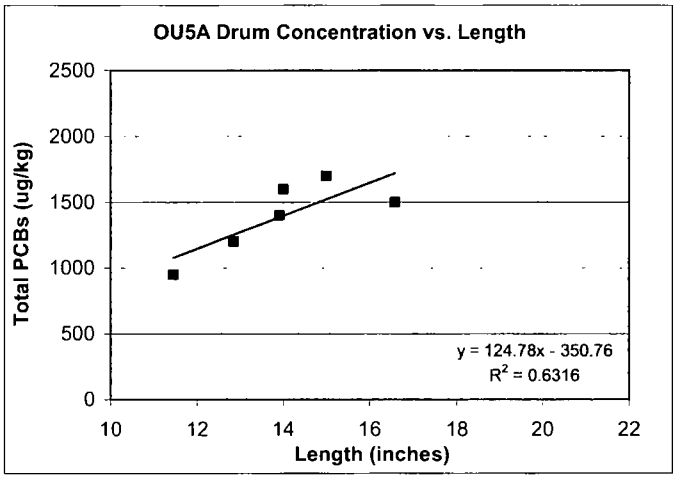
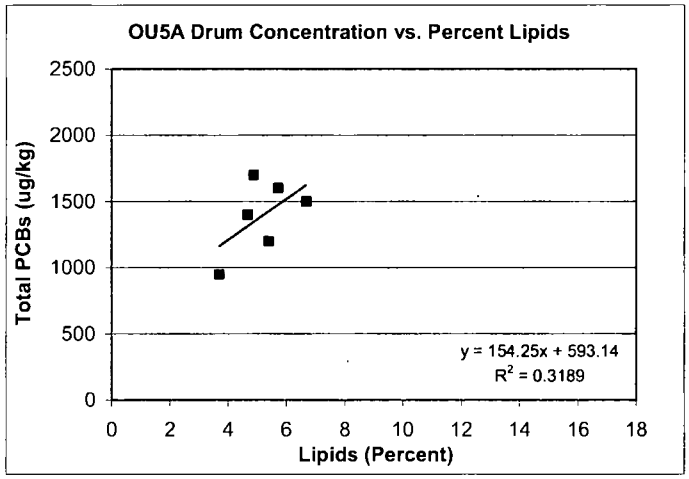
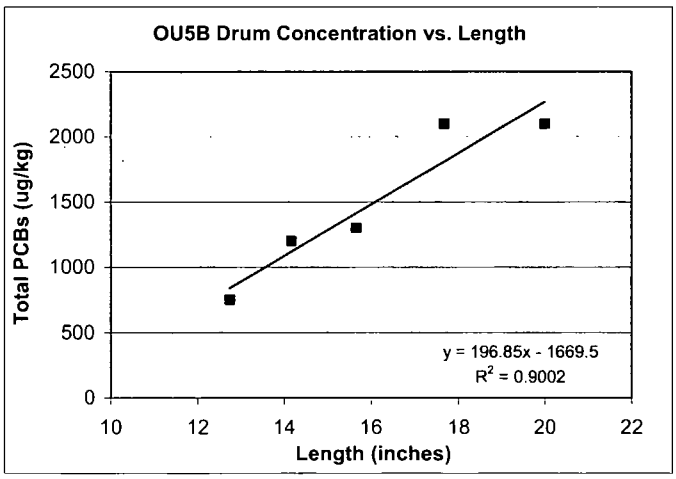
Figure 3-4b
PCB Correlations with Length and Lipids in Drum
Baseline Monitoring Data Report
Lower Fox River Remedial Design

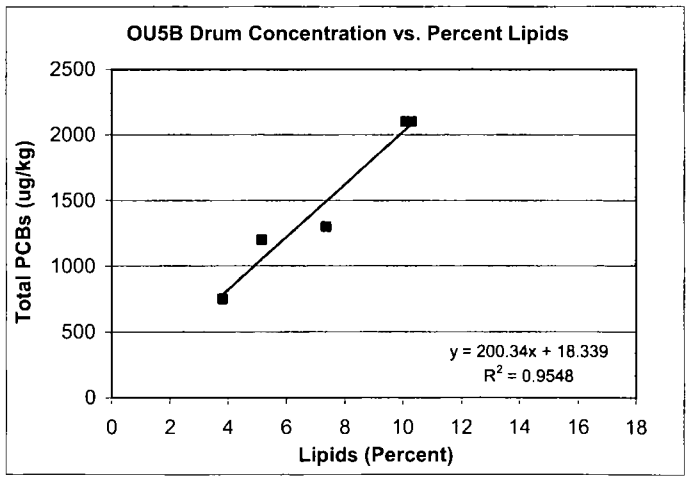






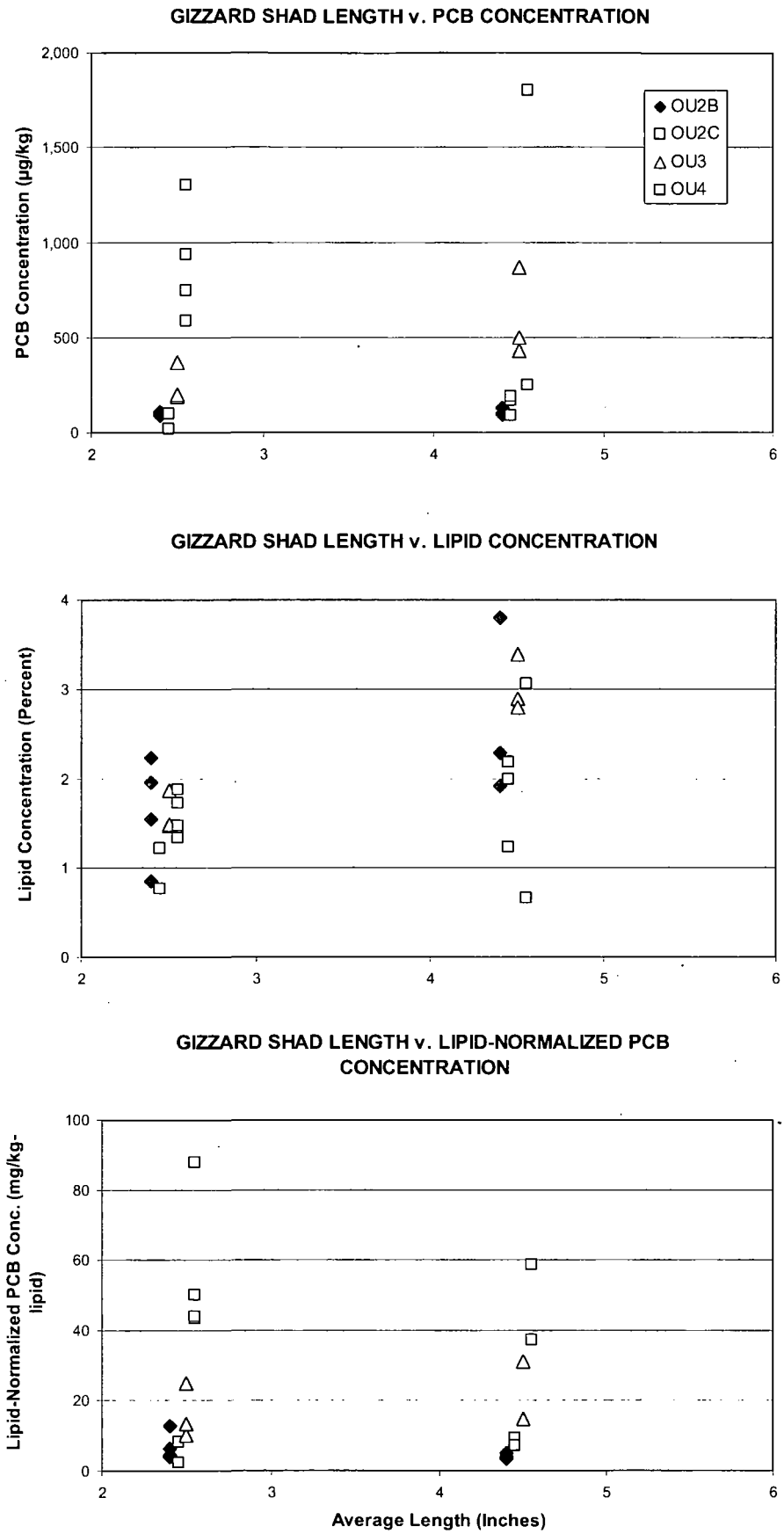






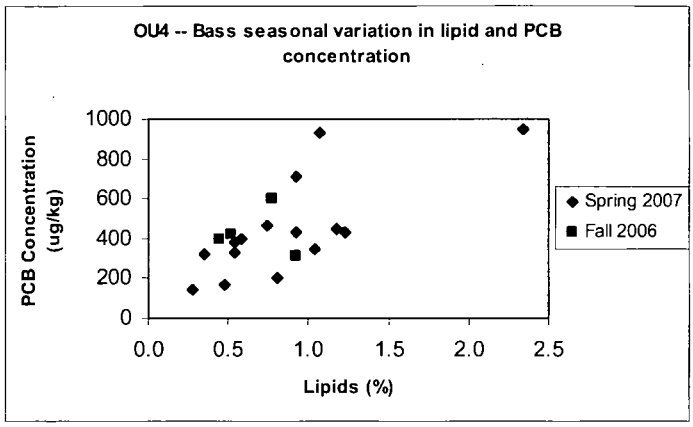
ANCHOR ENVIRONMENTAL, L.L.C.

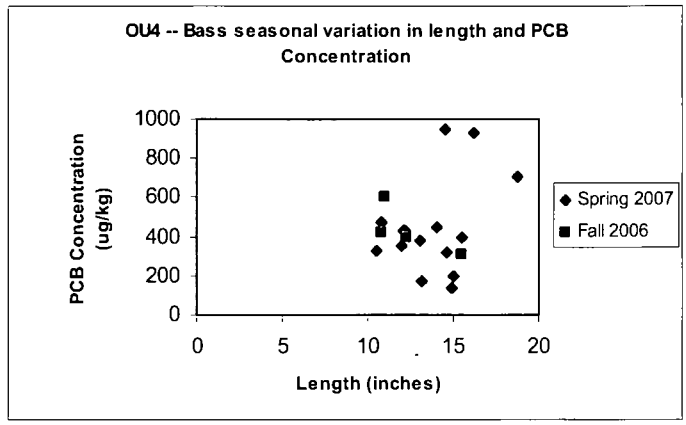
Figure 3-4c
PCB Correlations with Length and Lipids in Drum
Baseline Monitoring Data Report
Lower Fox River Remedial Design

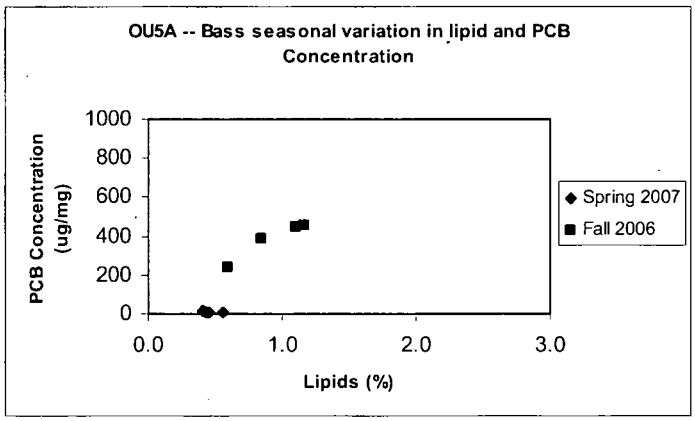


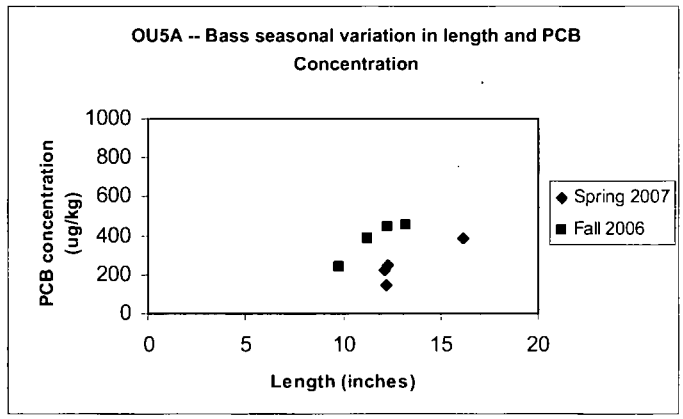
ANCHOR ENVIRONMENTAL, L.L.C.

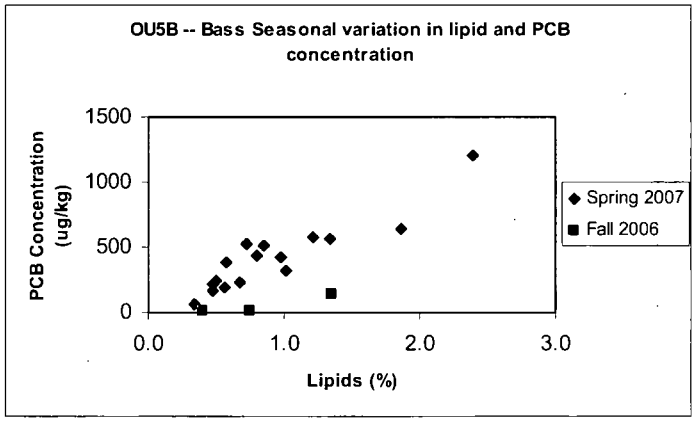
Figure 3-5
Gizzard Shad Length versus PCB Concentration
Baseline Monitoring Data Report
Lower Fox River Remedial Design











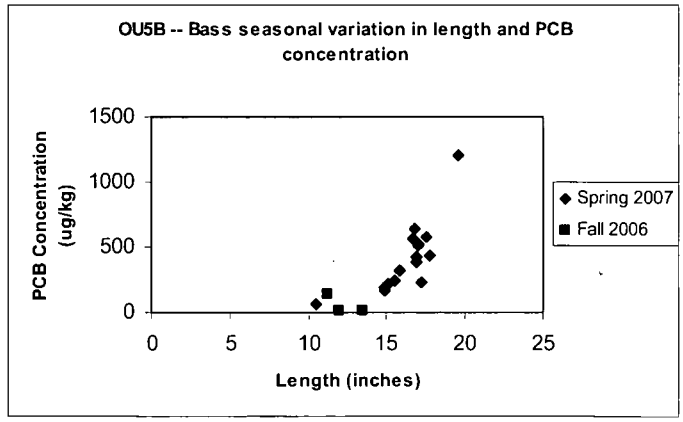
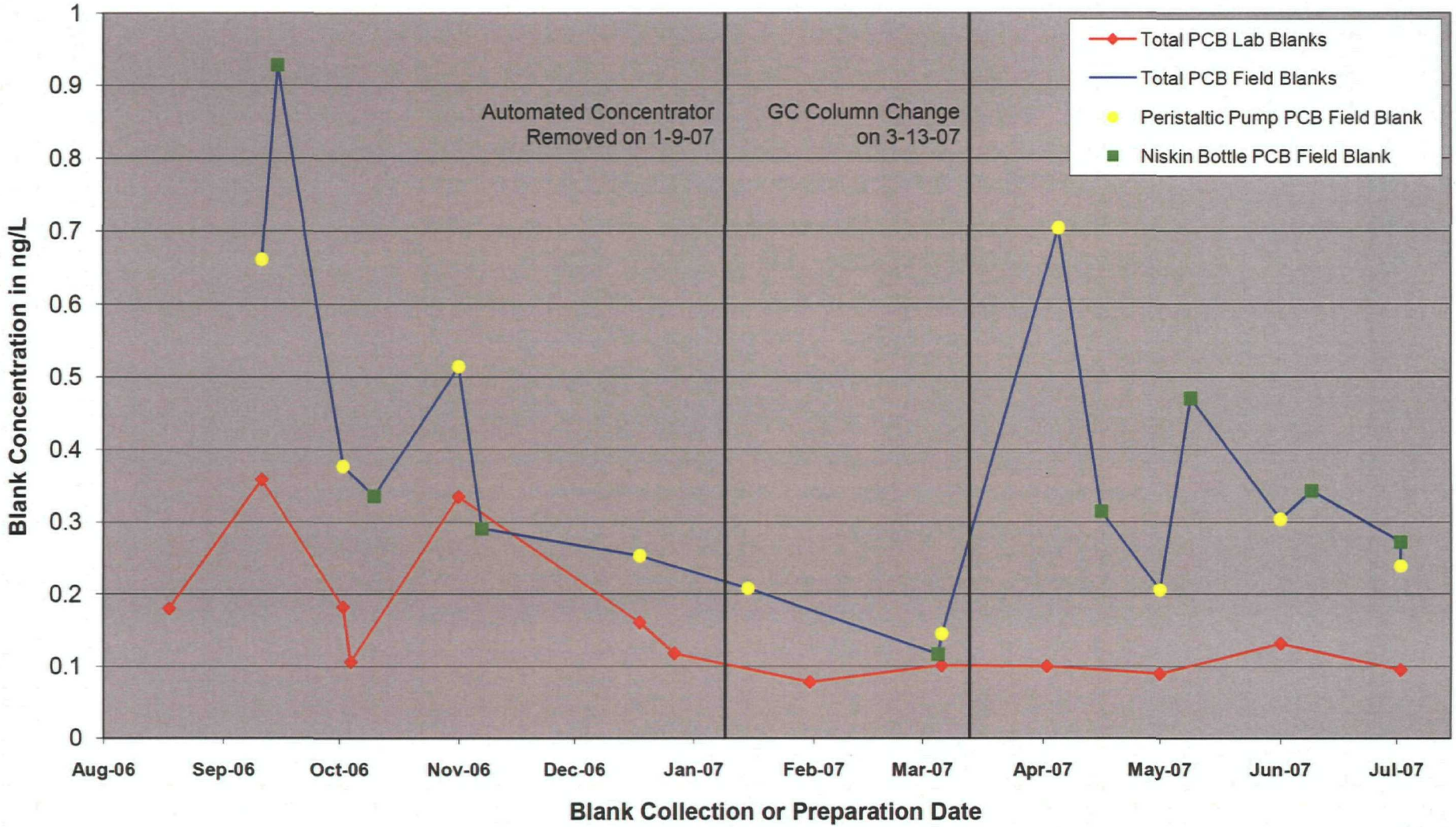


Figure 3-6

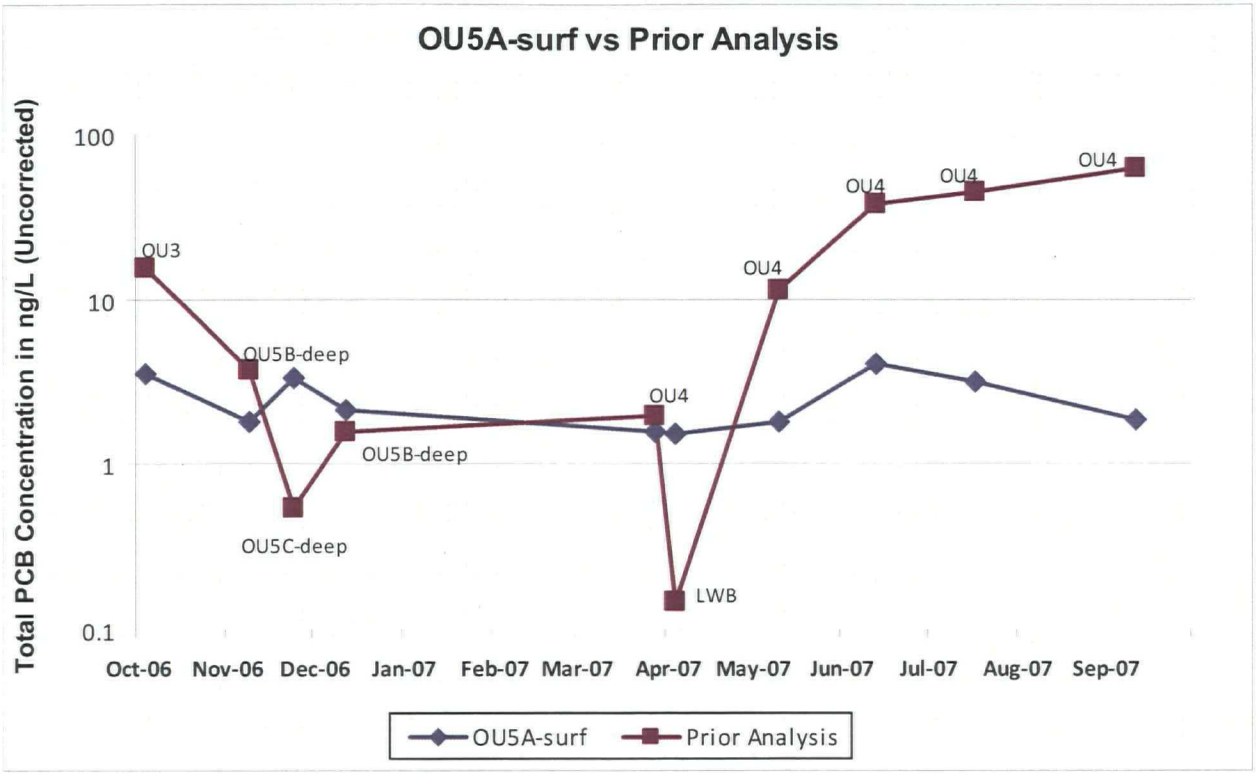
ANCHOR ENVIRONMENTAL, L.L.C.

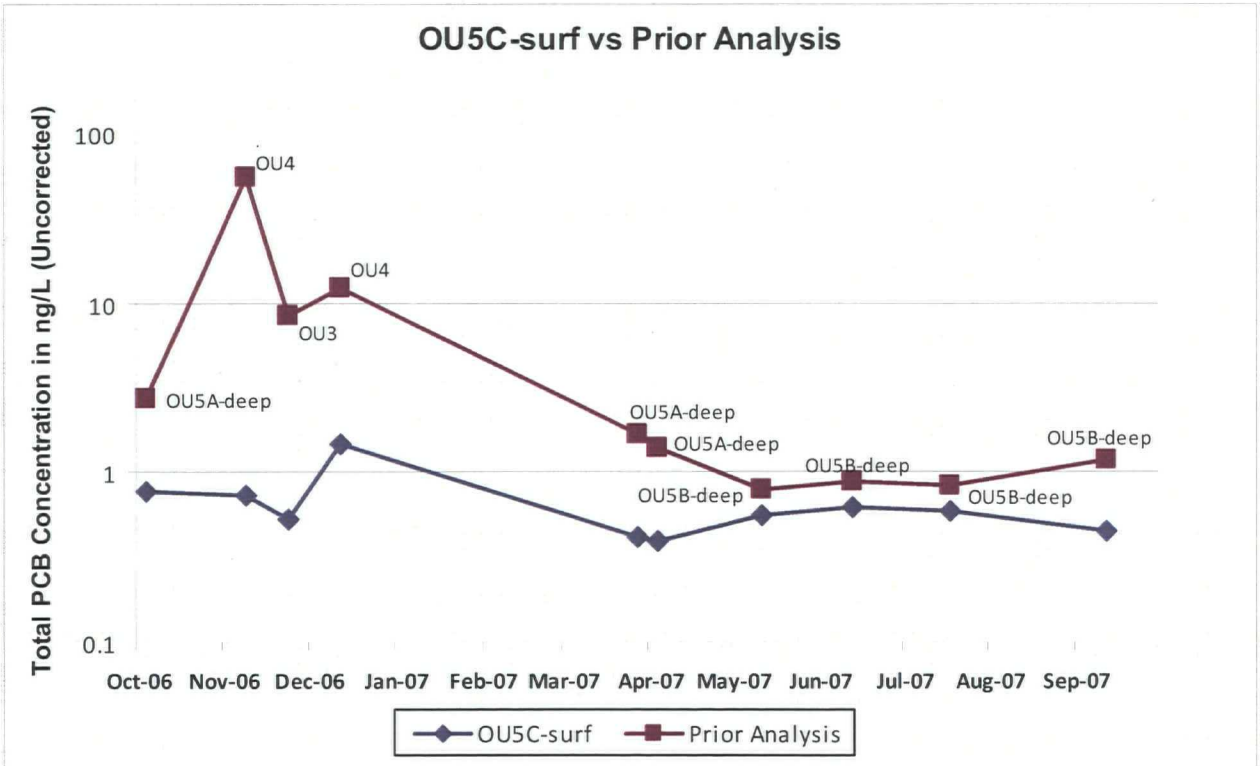
Bass Seasonal Variation (Lipids vs. Concentration & Length vs. Concentration)
Baseline Monitoring Data Report
Lower Fox River Remedial Design



ANCHOR ENVIRONMENTAL, L.L.C.

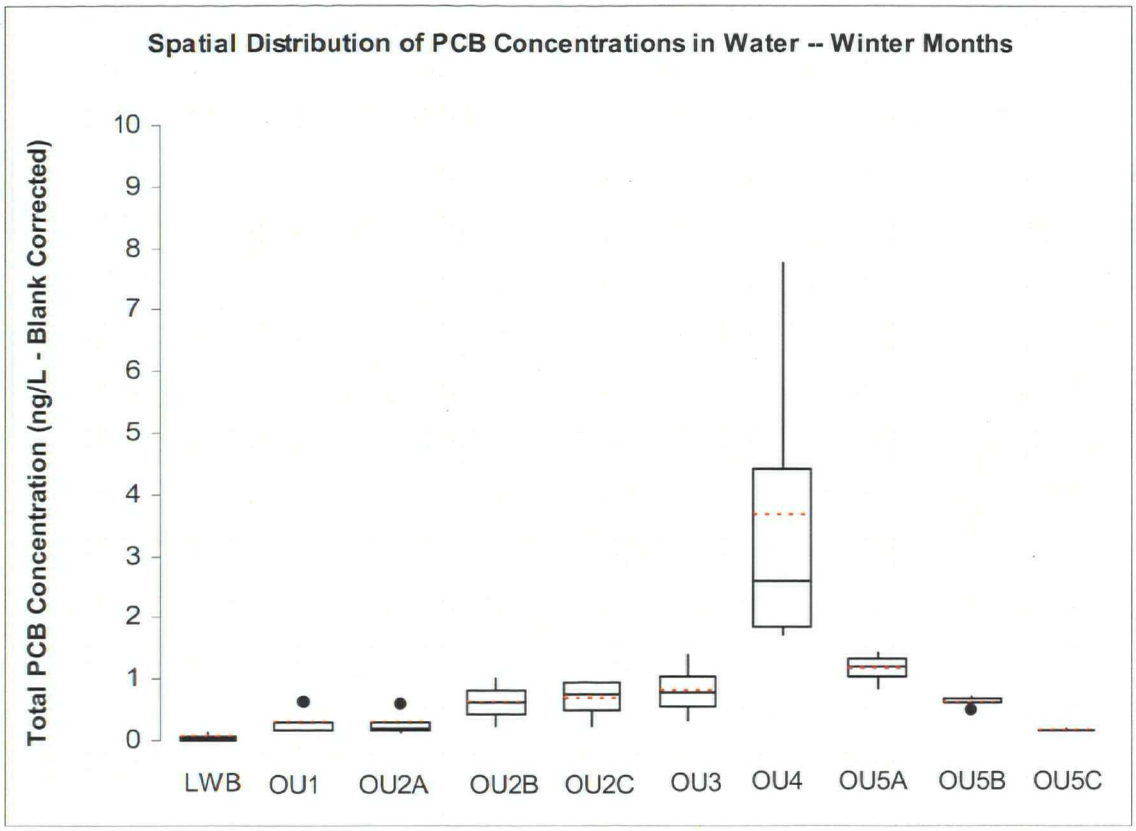
Figure 4-1
Time Series of Field Blank and Method Blank PCB Concentrations
Baseline Monitoring Data Report
Lower Fox River Remedial Design

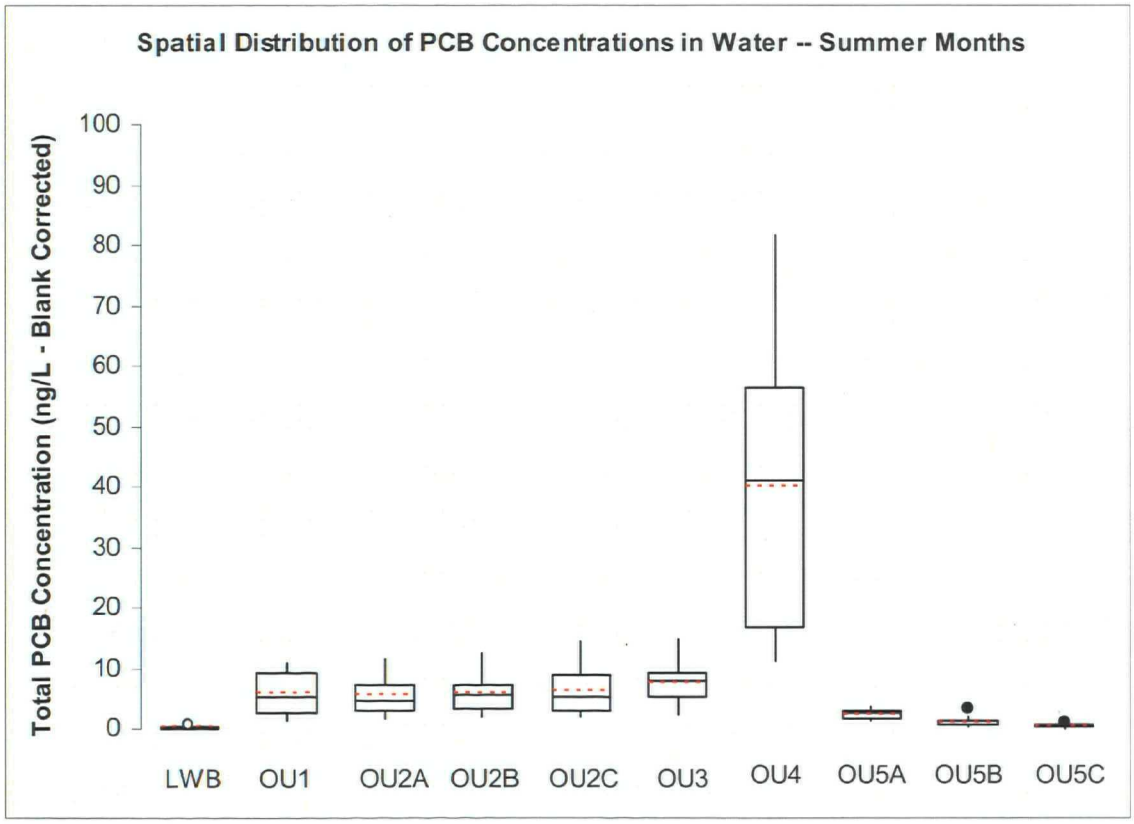




ANCHOR ENVIRONMENTAL, L.L.C.

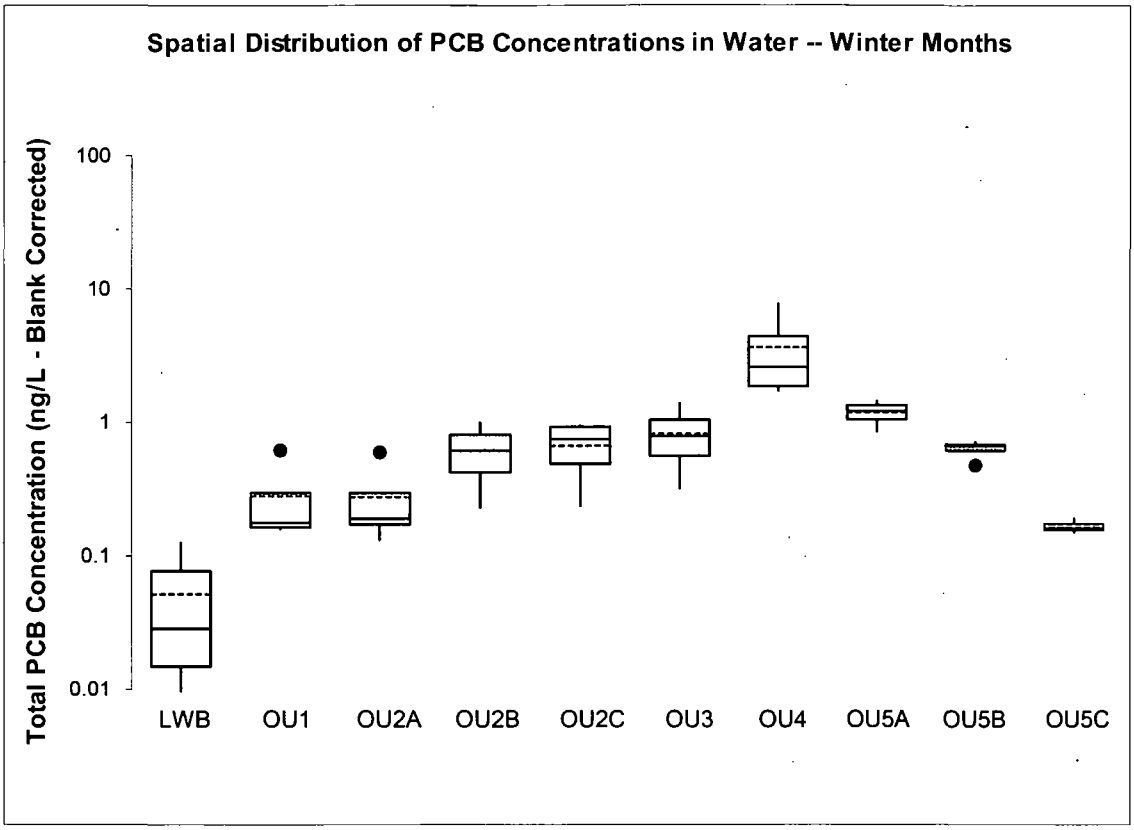
Figure 4-2
Order of Analysis Evaluation for PCB Congeners
Baseline Monitoring Data Report
Lower Fox River Remedial Design

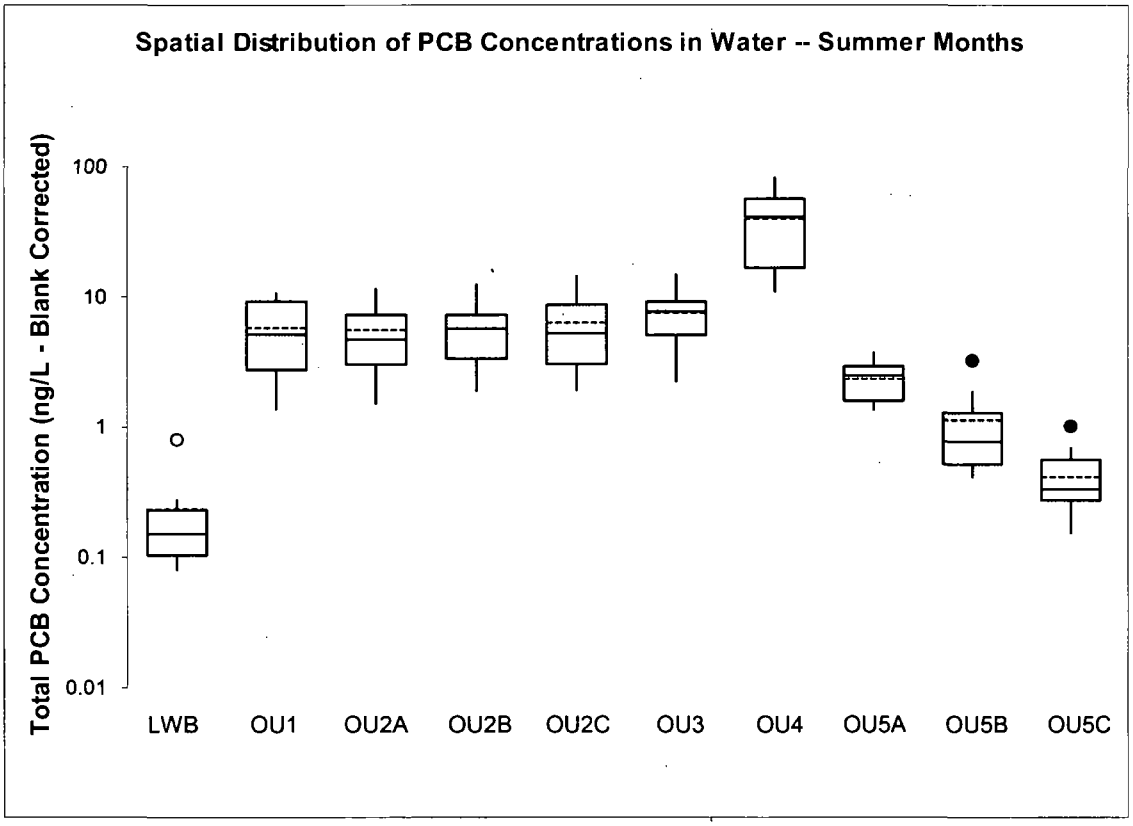




ANCHOR ENVIRONMENTAL, L.L.C.

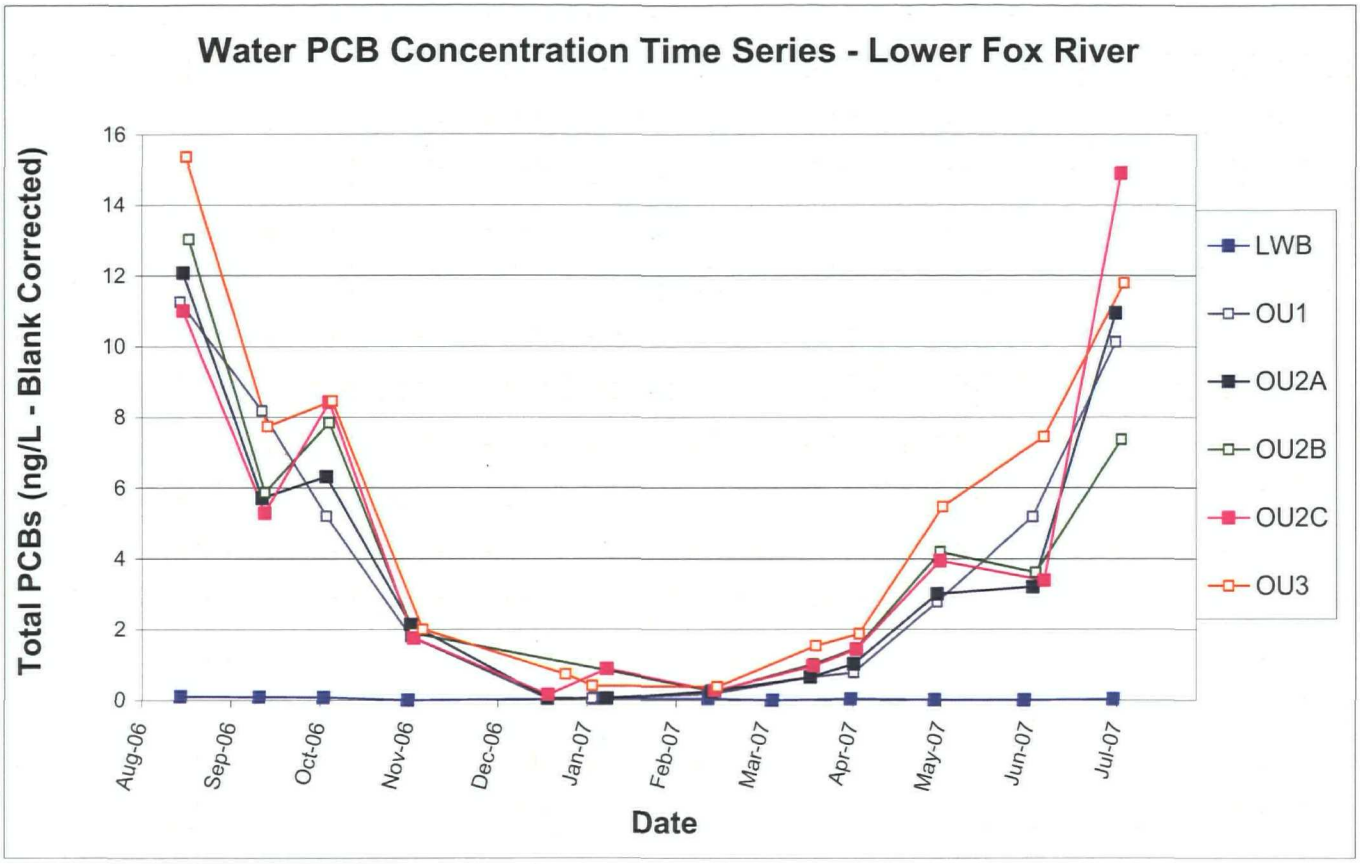
Figure 4-3a
Box-and-Whisker Plot of Water Data by Operable Unit
Baseline Monitoring Data Report
Lower Fox River Remedial Design

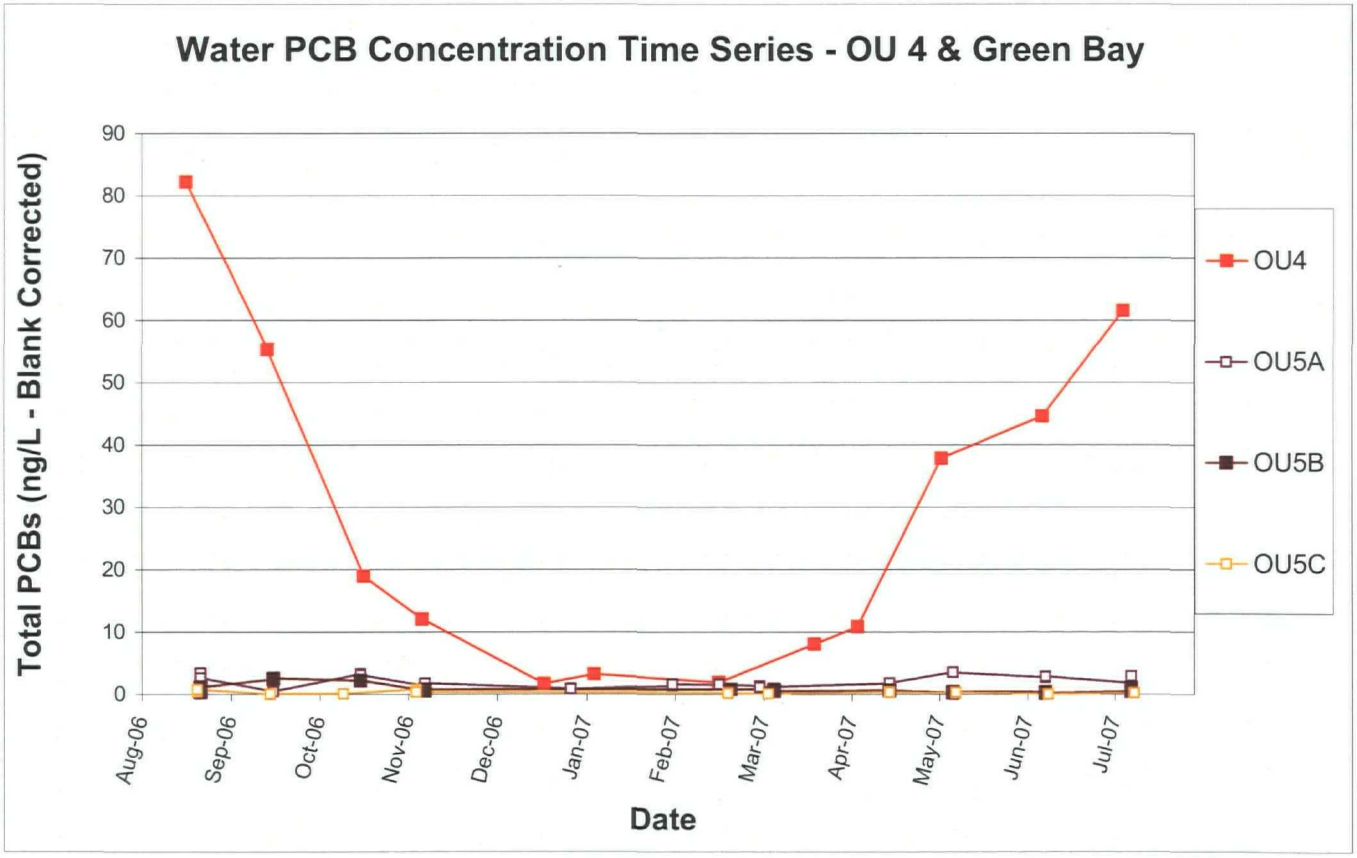




ANCHOR ENVIRONMENTAL, L.L.C.

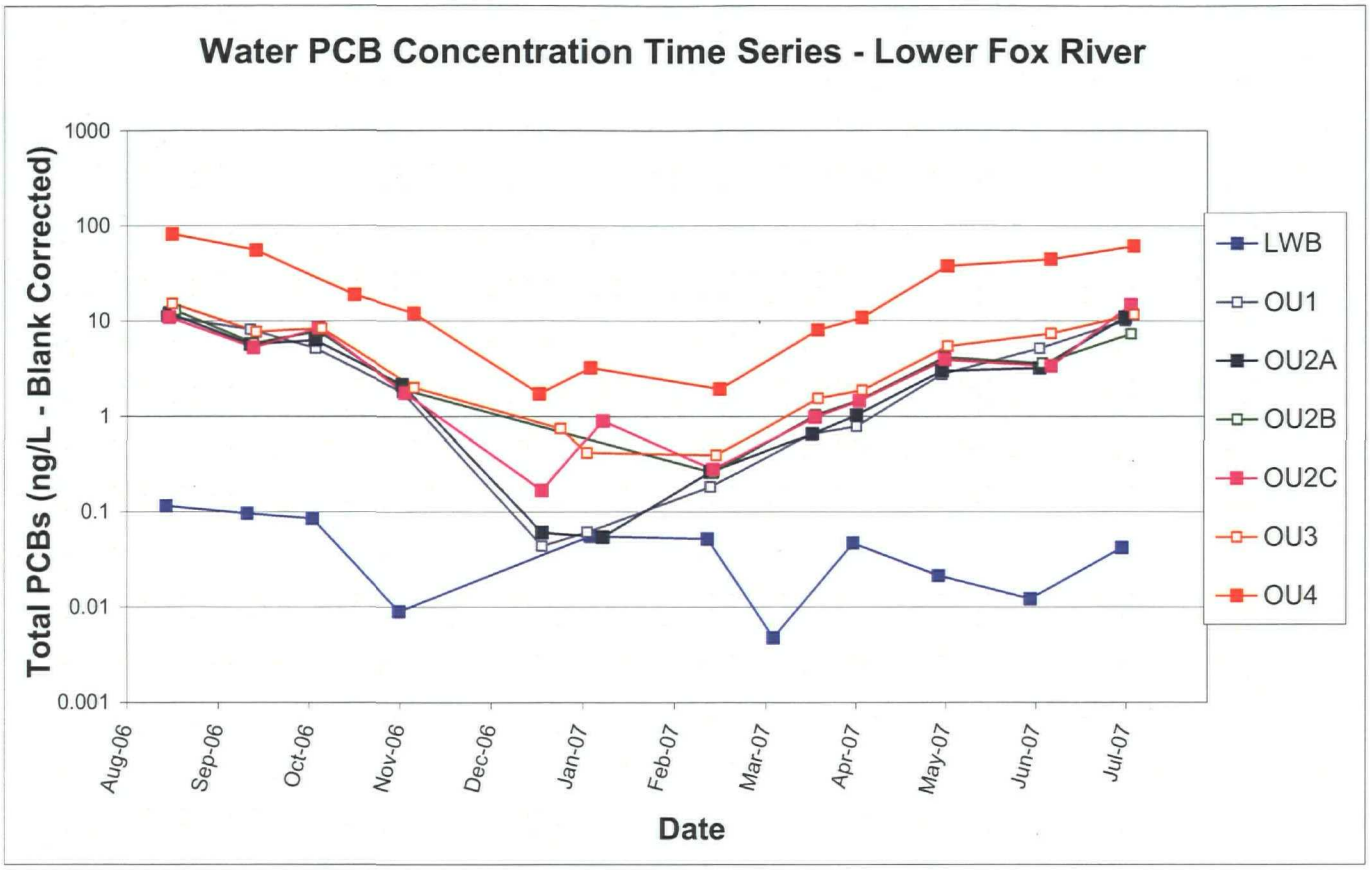
Figure 4-3b
Box-and-Whisker Plot of Water Data by Operable Unit (log scale)
Baseline Monitoring Data Report
Lower Fox River Remedial Design

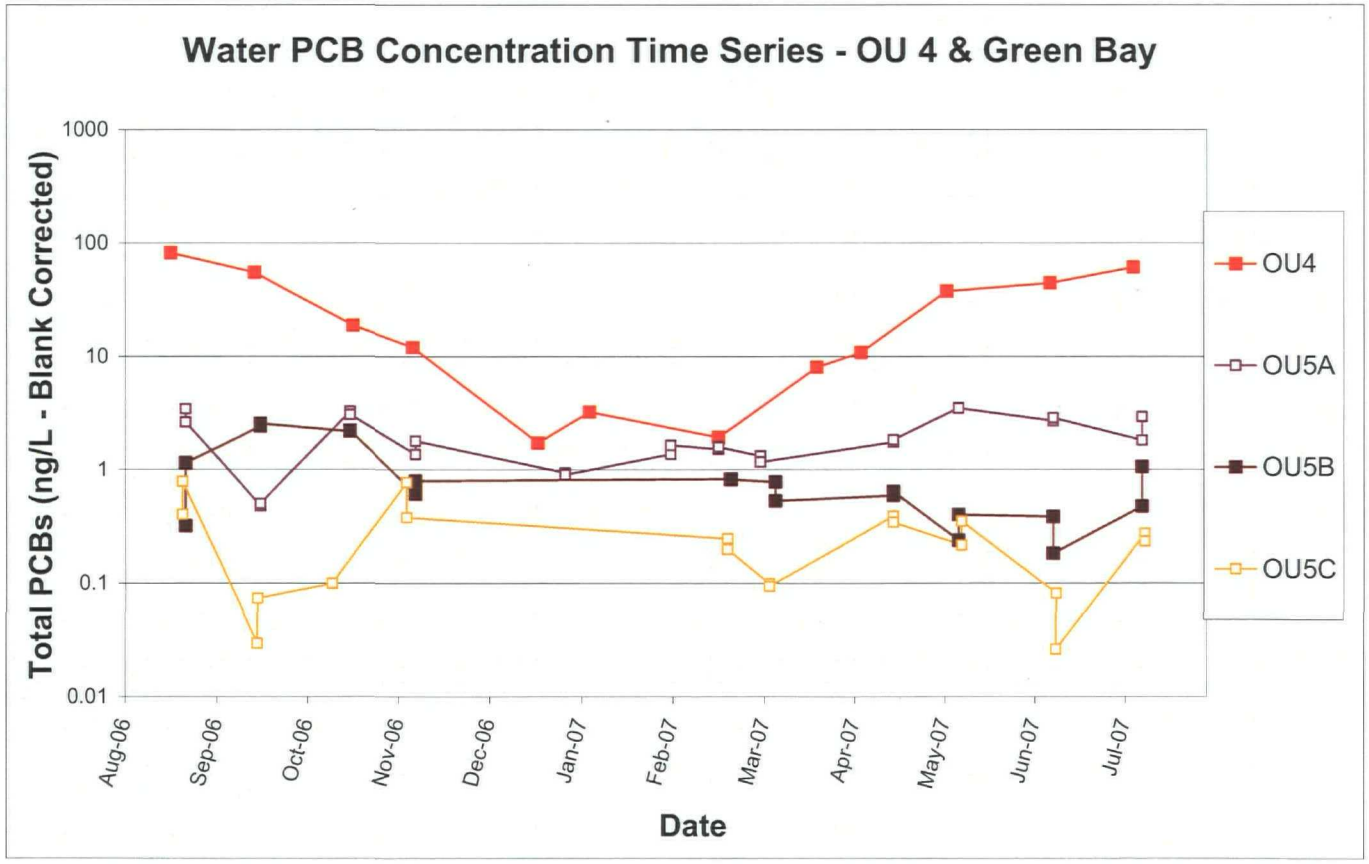




ANCHOR ENVIRONMENTAL, L.L.C.

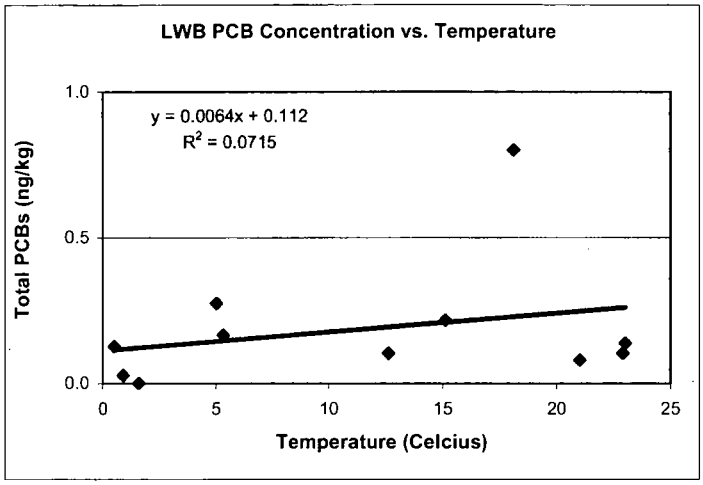
Figure 4-4a
Seasonal Variation in Water Column PCB Concentrations
Baseline Monitoring Data Report
Lower Fox River Remedial Design

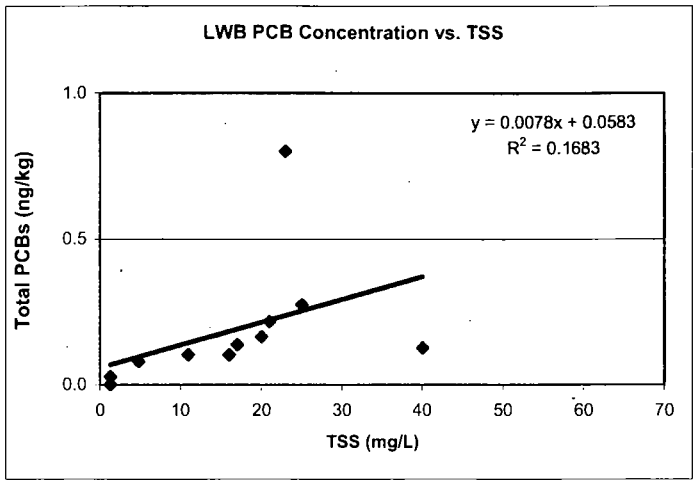


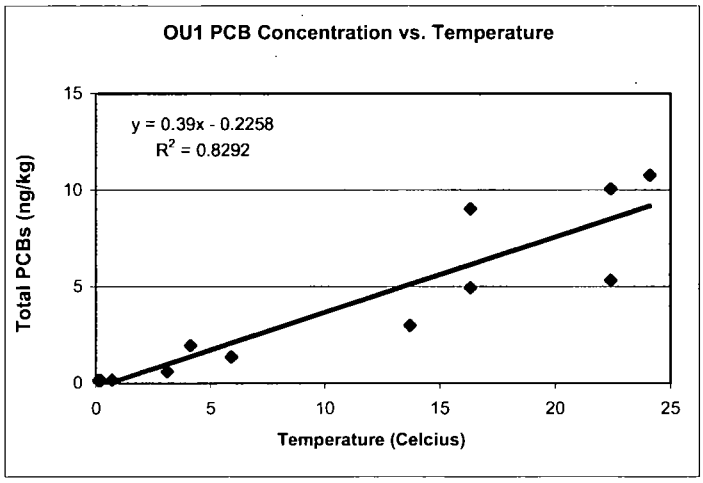


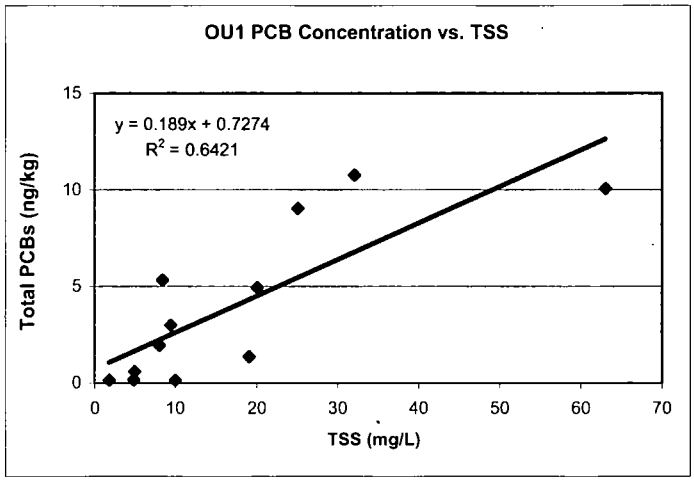
ANCHOR ENVIRONMENTAL, L.L.C.

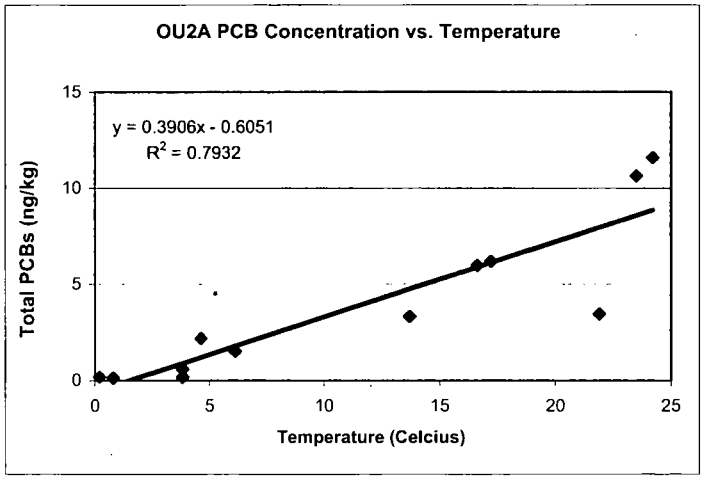
Figure 4-4b
Seasonal Variation in Water Column PCB Concentrations (log scale)
Baseline Monitoring Data Report
Lower Fox River Remedial Design

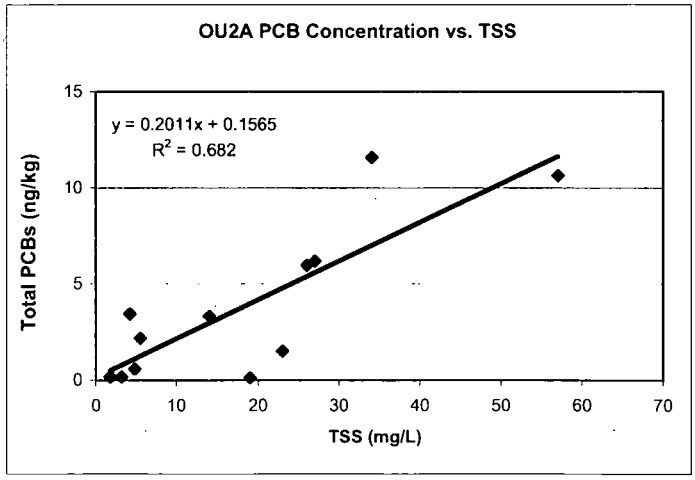






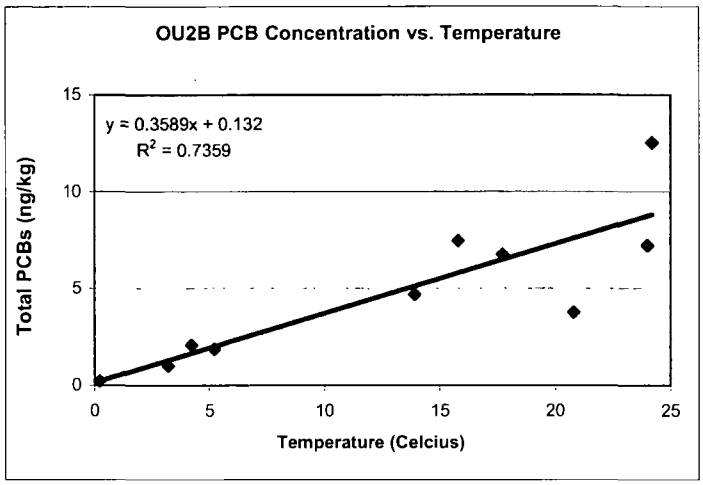


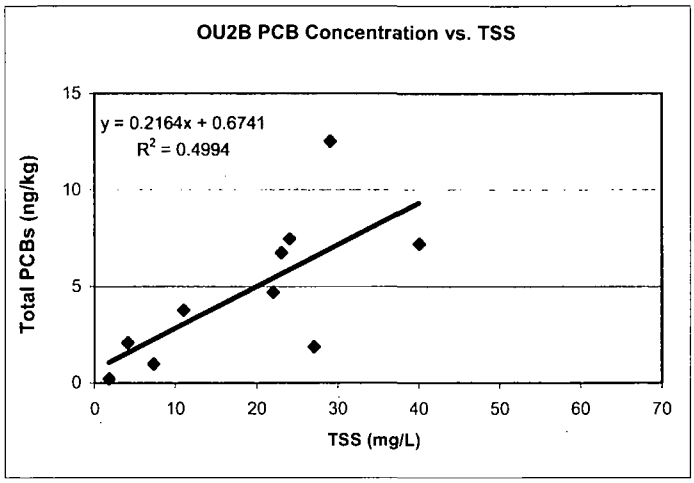


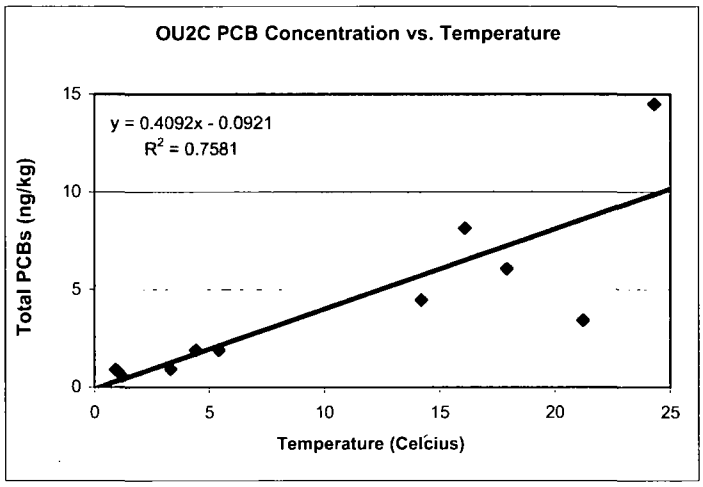


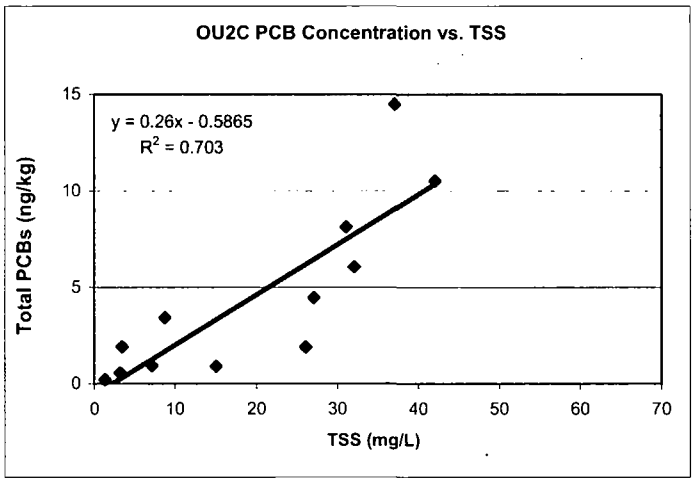
ANCHOR ENVIRONMENTAL, L.L.C.

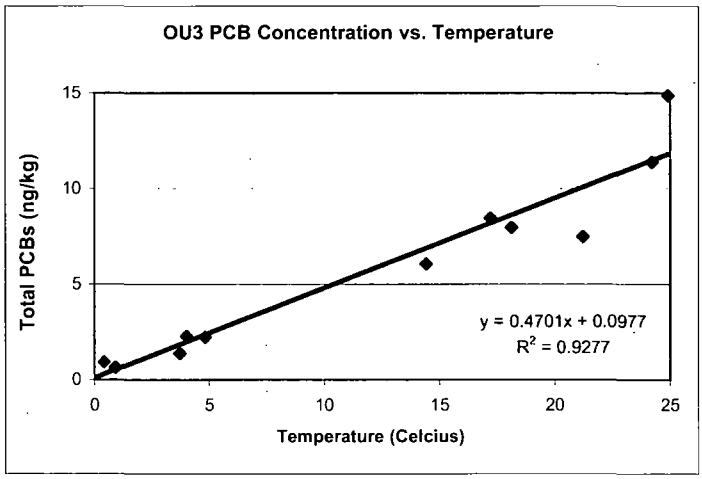
Figure 4-5a
Water Column PCB Correlations with Temperature and Suspended Solids
Baseline Monitoring Data Report
Lower Fox River Remedial Design

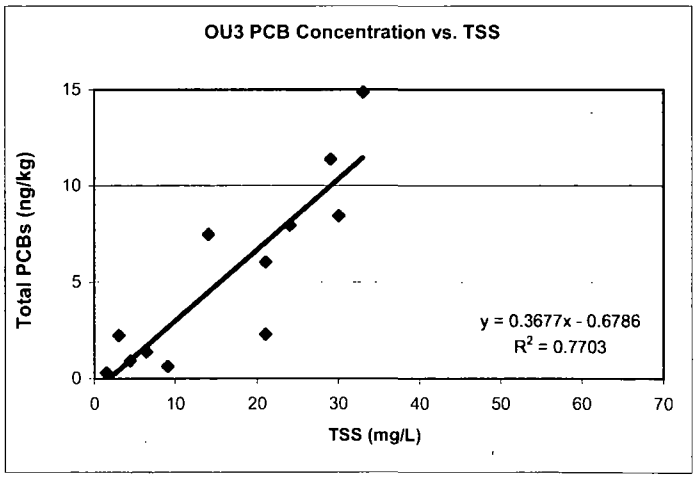






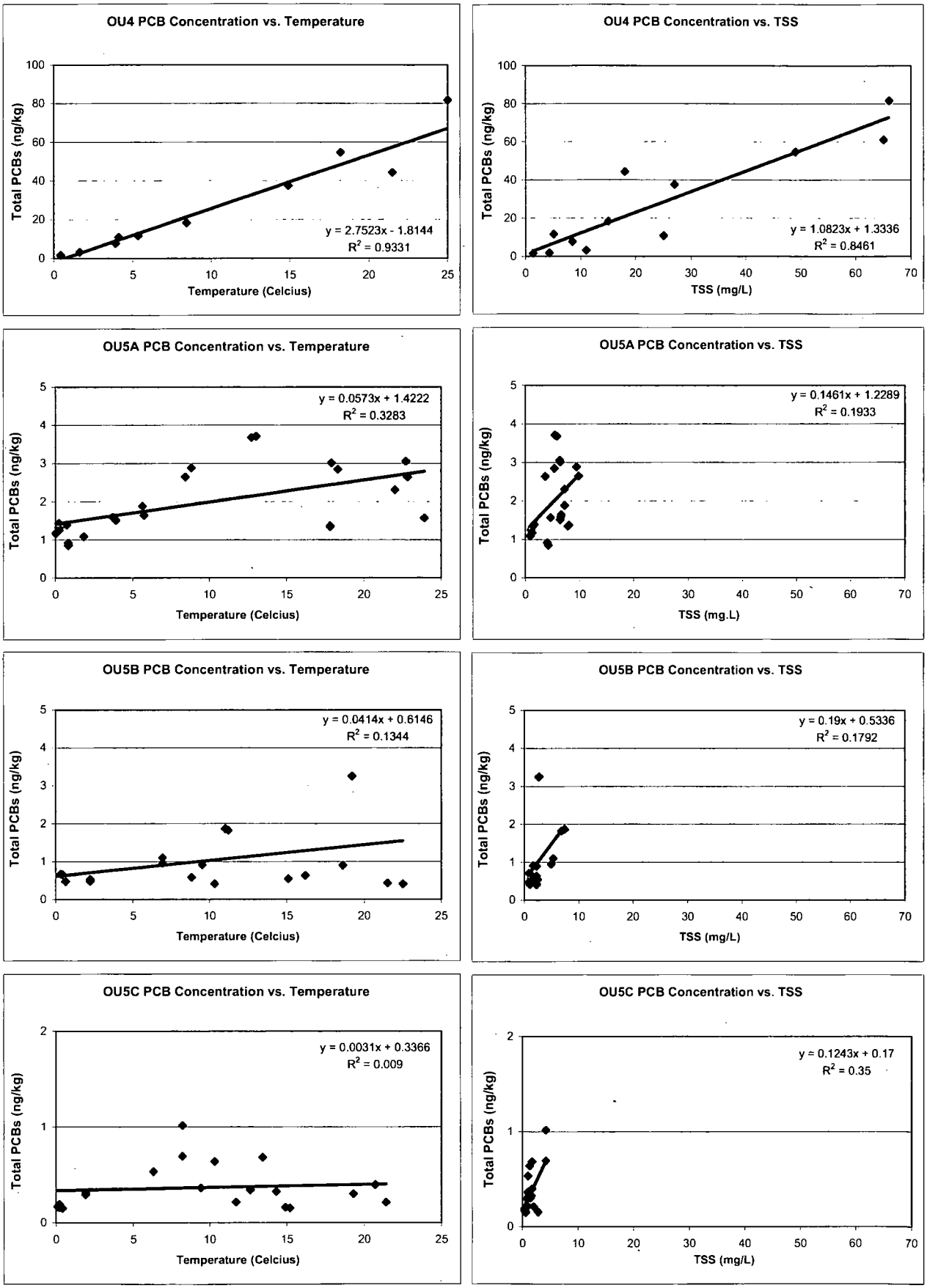






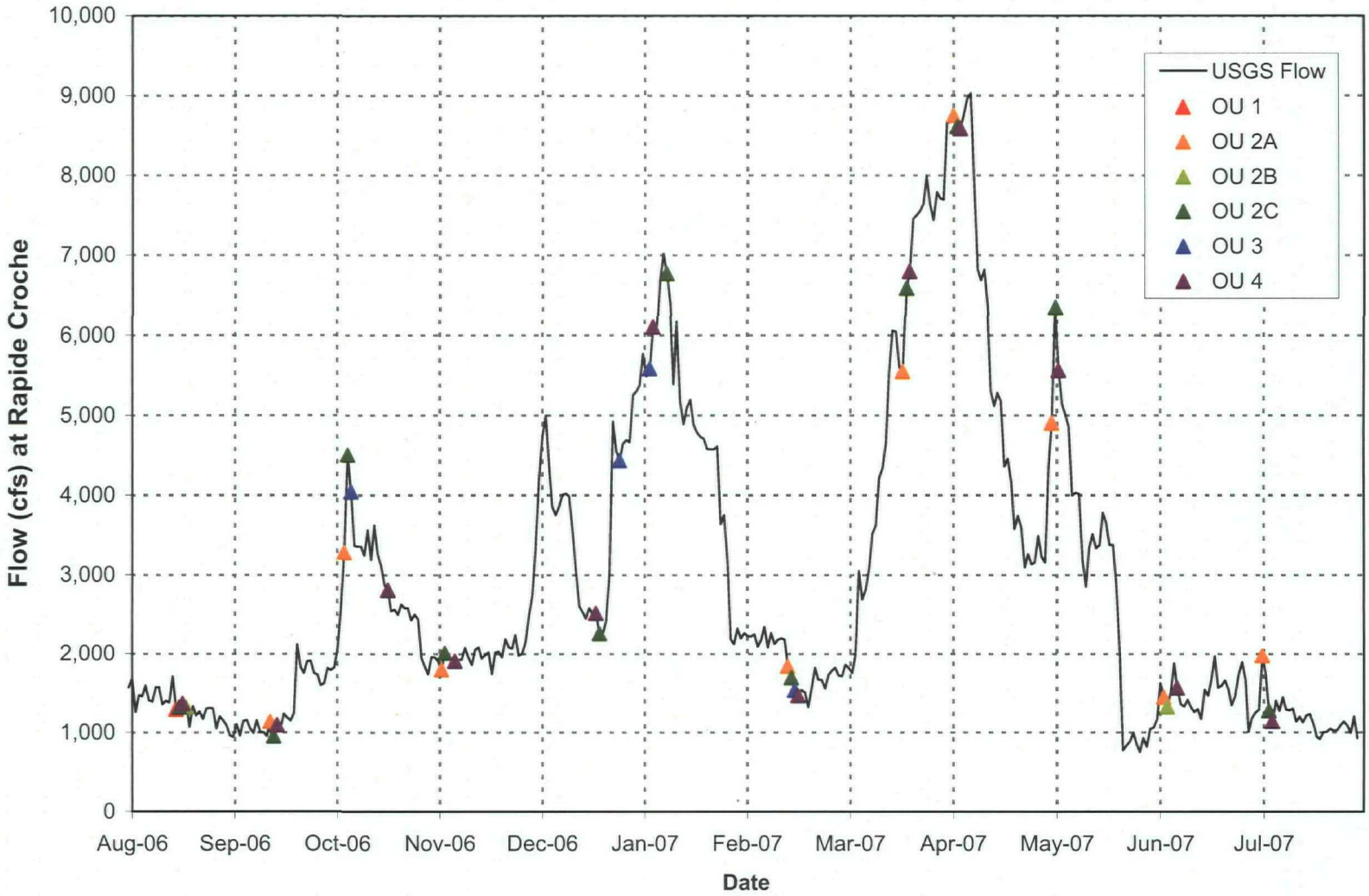
ANCHOR ENVIRONMENTAL, L.L.C.

Figure 4-5b
Water Column PCB Correlations with Temperature and Suspended Solids
Baseline Monitoring Data Report
Lower Fox River Remedial Design



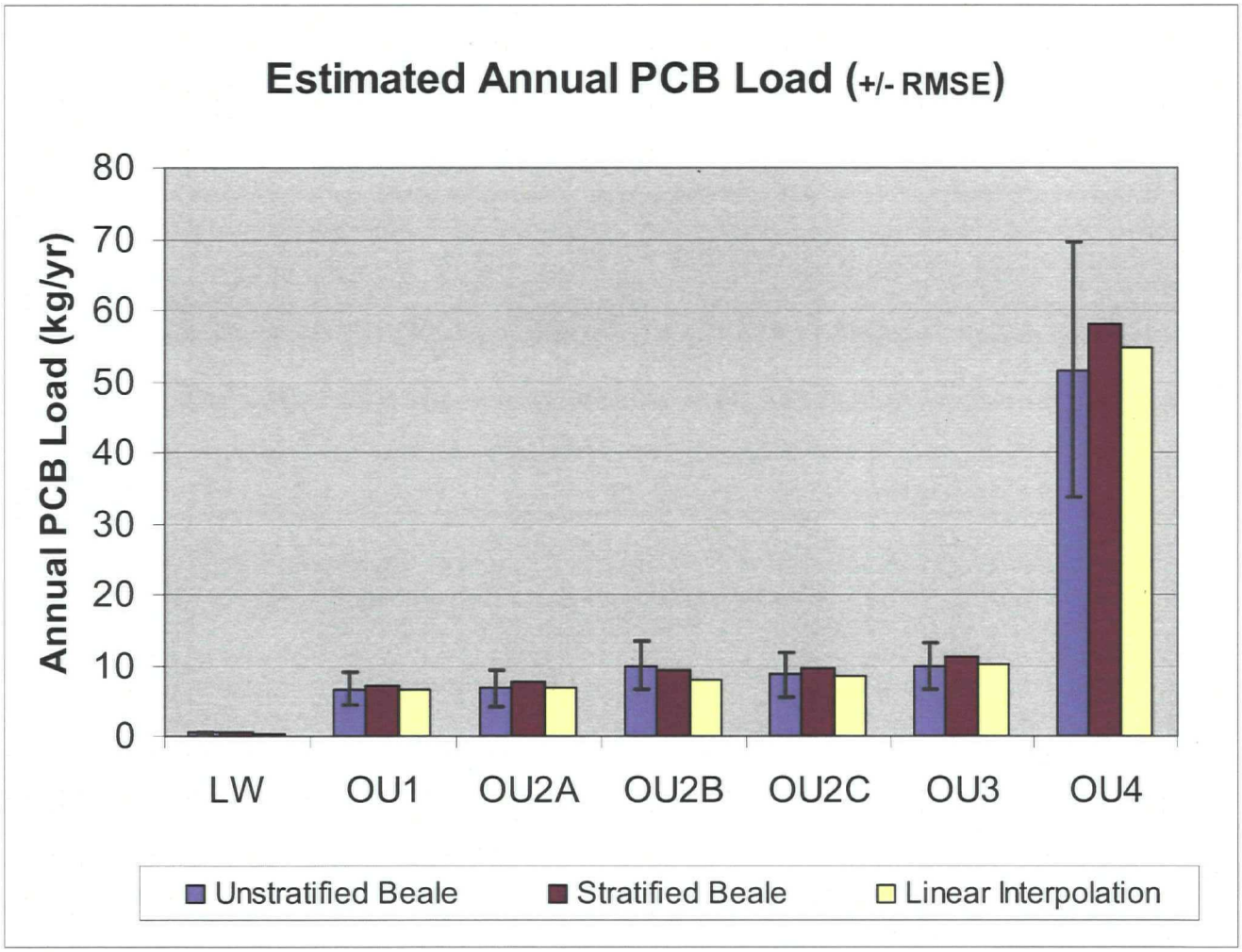
ANCHOR ENVIRONMENTAL, L.L.C.

Figure 4-5c
Water Column PCB Correlations with Temperature and Suspended Solids
Baseline Monitoring Data Report
Lower Fox River Remedial Design



ANCHOR ENVIRONMENTAL, L.L.C.

Figure 4-6
Lower Fox River Hydrograph during Baseline Monitoring Year
Baseline Monitoring Data Report
Lower Fox River Remedial Design



ANCHOR ENVIRONMENTAL, L.L.C.

Figure 4-7
Estimated Annual PCB Load
Baseline Monitoring Data Report
Lower Fox River Remedial Design

APPENDIX A

SAMPLING COORDINATES

Table A-1
Fish Sampling Coordinates 2006

OU	Run #	Type	Easting (NAD 27, m)	Northing (NAD 27, m)	Latitude	Longitude	Fish Catch					Substrate				Comments
							Walleye	Bass	Drum	Carp	Gz Shad	Silt	Sand	Gravel	Boulder	
LWB	1	TR	626,095	369,140	43.9665	-88.4282	5	--	10	1	--	X				mid-lake
LWB	2	TR	625,863	370,754	43.9810	-88.4307	4	--	--	--	--	X				mid-lake
LWB	3	TR	624,558	369,063	43.9660	-88.4473	8	--	2	--	--	X				mid-lake
LWB	4	TR	623,650	367,565	43.9527	-88.4590	--	--	2	3	1	X				mid-lake
LWB	5	TR	621,476	369,377	43.9694	-88.4857	--	--	5	1	4	X				mid-lake
LWB	6	TR	620,181	368,538	43.9620	-88.5020	--	--	--	--	13	X				mid-lake, adjacent to reef
LWB	7	TR	620,740	373,066	44.0027	-88.4940	--	--	--	1	--	X				mid-lake
LWB	8	TR	620,459	373,802	44.0094	-88.4973	--	--	5	3	--	X				mid-lake
LWB	9	TR	620,043	376,090	44.0300	-88.5020	--	--	7	--	4	X				mid-lake
LWB	10	TR	620,772	378,622	44.0527	-88.4923	--	--	2	--	--	X				mid-lake
LWB	11	TR	620,738	380,474	44.0694	-88.4923	--	--	2	--	--	X				mid-lake
LWB	12	TR	630,093	373,244	44.0027	-88.3773	--	--	--	--	3	X				mid-lake
LWB	13	TR	630,725	375,109	44.0194	-88.3690	--	--	--	--	--	X				mid-lake
LWB	14	TR	628,916	378,776	44.0527	-88.3907	--	--	--	--	--	X				mid-lake
LWB	15	TR	629,316	378,784	44.0527	-88.3857	--	--	--	--	--	X				mid-lake
LWB	16	TR	632,376	379,400	44.0577	-88.3473	--	--	--	--	--	X				mid-lake

Table A-1
Fish Sampling Coordinates 2006

OU	Run #	Type	Easting (NAD 27, m)	Northing (NAD 27, m)	Latitude	Longitude	Fish Catch					Substrate				Comments
							Walleye	Bass	Drum	Carp	Gz Shad	Silt	Sand	Gravel	Boulder	
LWB	17	TR	632,921	378,856	44.0527	-88.3407	--	--	--	1	--	X				mid-lake
LWB	18	TR	632,557	376,996	44.0360	-88.3457	--	--	--	--	--	X				mid-lake
LWB	19	TR	633,786	375,725	44.0244	-88.3307	--	--	--	2	--	X				mid-lake
LWB	20	EF	625,854	395,510	44.2039	-88.4250	--	--	--	4	1	X				Brighton Beach area
			624,776	394,965	44.1992	-88.4386										
LWB	21	EF	623,822	394,916	44.1989	-88.4506	--	--	--	1	2	X	X		X	SAV
			625,589	395,413	44.2031	-88.4283										
LWB	22	EF	618,509	395,250	44.2028	-88.5169	--	--	--	1	--					Asylum Bay
			618,782	378,898	44.0556	-88.5172										
LWB	23	EF	618,753	379,268	44.0589	-88.5175	--	--	--	1	--	X	X	X		Asylum Bay
			618,322	379,723	44.0631	-88.5228										
LWB	24	EF	618,104	370,816	42.9828	-88.5273	--	--	--	--	200					
			617,632	371,488	43.9890	-88.5331										
LWB	25	EF	623,578	351,200	43.8054	-88.4637	--	--	--	--	25					
OU1	1	FN	622,155	395,008	44.2000	-88.4714	--	--	--	--	1			X		L bank
OU1	2	FN	622,869	398,355	44.2300	-88.4617	--	--	--	--	--	X				L bank
OU1	3	EL	622,891	398,386	44.2303	-88.4614	--	--	1	--	--	X				L bank
			622,999	398,543	44.2317	-88.4600										
OU1	4	EL	622,234	395,534	44.2047	-88.4703	--	--	3	2	--	X		X		SAV, L bank
			622,132	395,039	44.2003	-88.4717										
OU1	5	EL	622,504	395,355	44.2031	-88.4669	--	3	--	5	--			X	X	SAV, strong flow, Menasha channel, R bank
			622,576	395,078	44.2006	-88.4661										
OU1	6	EL	622,679	394,308	44.1936	-88.4650	1	1	--	12	--			X		Flow from Neenah channel and plant outfall
			622,331	393,931	44.1903	-88.4694										
OU1	8	EL	652,833	425,872	44.4719	-88.0786	6	8	3	5	6			X	X	Flow from outfall, L bank
			622,285	394,023	44.1911	-88.4700										

Table A-1
Fish Sampling Coordinates 2006

OU	Run #	Type	Easting (NAD 27, m)	Northing (NAD 27, m)	Latitude	Longitude	Fish Catch					Substrate				Comments
							Walleye	Bass	Drum	Carp	Gz Shad	Silt	Sand	Gravel	Boulder	
OU1	9	EL	622,262	394,022	44.1911	-88.4703	--	5	2	2	--			X		Instream logs, docks, overhanging vegetation, L bank
			625,211	400,097	44.2453	-88.4319										
OU1	10	EL	622,733	393,816	44.1892	-88.4644	--	--	6	--	--			X	X	High flow, L bank, near outfall
OU1	11	EL	625,764	400,169	44.2458	-88.4250	--	--	2	--	--			X	X	SAV, over-water structures, R bank
			626,329	400,766	44.2511	-88.4178										
OU1	12	FN	625,740	400,150	44.2456	-88.4252	--	--	--	--	--			X	X	L bank
OU1	13	FN	625,898	400,261	44.2466	-88.4232	--	--	--	1	--			X	X	L bank
OU1	14	EL	626,352	400,767	44.2511	-88.4175	--	--	--	1	1			X	X	Over-water structures
			626,089	400,607	44.2497	-88.4208										
OU1	15	EL	622,760	397,087	44.2186	-88.4633	--	--	--	--	--		X	X		Rt. 10/441 bridge pylons, mid-channel
			622,760	397,087	44.2186	-88.4633										
OU1	16	EL	622,954	397,005	44.2178	-88.4608	6	1	1	2	--		X	X		Rt. 10/441 bridge pylons, mid-channel
			622,760	397,087	44.2186	-88.4633										
OU1	17	EL	622,455	394,427	44.1947	-88.4678	1	--	3	1	--	X		X	X	Flow from Neenah channel
			622,455	394,396	44.1944	-88.4678										
OU1	18	EL	622,308	393,962	44.1906	-88.4697	1	1	--	--	--					Below Neenah channel, L bank
			622,308	393,962	44.1906	-88.4697										
OU1	19	EL	622,233	395,565	44.2050	-88.4703	1	--	2	--	--			X	X	Below Neenah channel, L bank
			622,220	393,929	44.1903	-88.4708										
OU1	20	EL	622,699	394,432	44.1947	-88.4647	--	--	--	--	--	X			X	
			622,738	394,679	44.1969	-88.4642										
OU1	21	EL	622,233	395,565	44.2050	-88.4703	1	--	--	--	--					
			622,431	395,692	44.2061	-88.4678										
OU1	22	EL					1	--	--	3	--					Menasha channel
			622,641	395,141	44.2011	-88.4653										
OU1	23	EL	622,664	393,907	44.1900	-88.4653	--	--	--	1	--					
			621,998	393,894	44.1900	-88.4736										
OU1	24	EL	622,079	394,359	44.1942	-88.4725	--	--	--	1	--	X			X	Tree-lined shoreline
			622,110	395,070	44.2006	-88.4719										

Table A-1
Fish Sampling Coordinates 2006

OU	Run #	Type	Easting (NAD 27, m)	Northing (NAD 27, m)	Latitude	Longitude	Fish Catch					Substrate				Comments
							Walleye	Bass	Drum	Carp	Gz Shad	Silt	Sand	Gravel	Boulder	
OU1	25	EL	621,997	395,160	44.2014	-88.4733	--	--	--	2	--	X				
			622,234	395,534	44.2047	-88.4703										
OU1	26	SN	623,170	398,428	44.2306	-88.4578	--	--	--	--	1	X				
OU1	27	SN	625,908	400,270	44.2467	-88.4231	--	--	--	--	--		X	X		
OU1	28	SL	622,268	395,572	44.2050	-88.4697	--	--	--	--	--			X		Just south of bridge near first caisson, L bank
OU1	29	SL	624,091	394,930	44.1986	-88.4467	--	--	--	--	--			X		Below Menasha Dam
OU2A	1	FN	622,672	394,709	44.1972	-88.4650	--	--	--	--	--					R bank
OU2A	2	EL	628,658	401,954	44.2614	-88.3883	--	--	12	24	--		X	X		SAV, below dam
OU2A	3	EL	629,181	402,427	44.2656	-88.3817	--	--	--	--	--					
			629,291	402,460	44.2658	-88.3803										
OU2A	4	EL	629,402	402,462	44.2658	-88.3789	--	--	6	4	--			X	X	R bank
			630,280	402,911	44.2697	-88.3678										
OU2A	5	EL	632,873	404,137	44.2803	-88.3350	--	2	1	1	--				X	Rip rap heading to lock, L bank
			633,007	404,108	44.2800	-88.3333										
OU2A	6	EL	632,128	403,689	44.2764	-88.3444	--	--	--	--	--			X	X	SAV, over-water structures, R bank
			631,796	403,652	44.2761	-88.3486										
OU2A	7	FN	631,796	403,652	44.2761	-88.3486	--	--	--	--	--		X	X		R bank
OU2A	8	EL	628,615	401,861	44.2606	-88.3889	11	5	12	4	--			X	X	Flow from dam, bridge pillars, bank to bank
			628,656	402,077	44.2625	-88.3883										
OU2A	9	EL	628,615	401,861	44.2606	-88.3889	--	2	--	1	2		X	X		SAV, over-water structures, R bank
OU2A	10	EL					2	--	3	--	--			X		Bridge (Rt. 441) abutments
			631,287	403,610	44.2758	-88.3550										
OU2A	11	EL	628,462	401,795	44.2600	-88.3908	1	4	--	--	1			X	X	Flow from dam, bridge abutments, R bank
			628,723	402,016	44.2619	-88.3875										

Table A-1
Fish Sampling Coordinates 2006

OU	Run #	Type	Easting (NAD 27, m)	Northing (NAD 27, m)	Latitude	Longitude	Fish Catch					Substrate				Comments
							Walleye	Bass	Drum	Carp	Gz Shad	Silt	Sand	Gravel	Boulder	
OU2A	12	EL	628,615	401,891	44.2608	-88.3889	7	6	1	3	3			X	X	Flow from dam, bridge abutments, bank to bank
			628,677	402,077	44.2625	-88.3881										
OU2A	13	FN	628,767	402,079	44.2625	-88.3869	--	--	--	--	--			X		R bank
OU2A	14	FN	628,767	402,079	44.2625	-88.3869	--	--	--	--	--					R bank
OU2A	15	EL	631,305	403,796	44.2775	-88.3547	--	--	--	--	--			X	X	Rt. 441 bridge, bank to bank
			631,306	403,765	44.2772	-88.3547										
OU2A	16	EL	629,951	402,781	44.2686	-88.3719	--	--	--	--	1	X				SAV, over-hanging trees, docks, L bank
			630,170	402,878	44.2694	-88.3692										
OU2A	17	EL	628,511	403,803	44.2781	-88.3897	--	3	--	--	3			X	X	Bridge abutments, flow from dam
			628,745	402,048	44.2622	-88.3872										
OU2A	18	EL	628,441	401,733	44.2594	-88.3911	--	--	--	--	4			X	X	Bridge abutments, flow from dam
			628,637	401,891	44.2608	-88.3886										
OU2A	19	EL	632,014	403,842	44.2778	-88.3458	--	--	--	--	--			X	X	SAV, over-water structures, L bank
			633,028	404,109	44.2800	-88.3331										
OU2A	20	EL	628,615	401,861	44.2606	-88.3889	--	--	--	--	2			X		Bridge abutments, flow from dam
			628,722	402,078	44.2625	-88.3875										
OU2A	21	SL	628,461	401,826	44.2603	-88.3908	--	--	--	--	--			X		Below dam, L bank
OU2A	22	SL	628,638	401,830	44.2603	-88.3886	--	--	--	--	--			X		Below dam, R bank
OU2A	23	SN	628,638	401,830	44.2603	-88.3886	--	--	--	--	--			X		Small channel below dam, L bank
OU2A	24	SN	628,720	402,170	44.2633	-88.3875	--	--	--	--	3			X		Park, near large stormwater outfalls, L bank
OU2A	25	SN	630,018	402,722	44.2681	-88.3711	--	--	--	--	--			X	X	Near sewage plant, R bank
OU2A	26	SN	632,962	404,108	44.2800	-88.3339	--	--	--	--	--			X	X	Near rip rap wall of lock channel, L bank
OU2A	27	SN	632,565	403,894	44.2781	-88.3388	--	--	--	--	19			X		Near warm water outfall from paper mill, R bank

Table A-1
Fish Sampling Coordinates 2006

OU	Run #	Type	Easting (NAD 27, m)	Northing (NAD 27, m)	Latitude	Longitude	Fish Catch					Substrate				Comments
							Walleye	Bass	Drum	Carp	Gz Shad	Silt	Sand	Gravel	Boulder	
OU2B	1	EL	639,680	404,185	44.2794	-88.2497	6	2	5	8	18	X	X	X		occasional SAV
			639,809	404,342	44.2808	-88.2481										
OU2B	2	EL	639,897	404,406	44.2814	-88.2469	--	3	6	17	3		X	X		
			640,204	404,536	44.2825	-88.2431										
OU2B	3	EL	640,257	405,185	44.2883	-88.2422	--	--	--	--	77		X	X	X	
			639,959	404,593	44.2831	-88.2461										
OU2B	4	EL	639,878	404,252	44.2800	-88.2472	--	--	--	--	--		X	X		
			639,770	404,126	44.2789	-88.2486										
OU2B	5	EL	639,566	404,307	44.2806	-88.2511	1	--	--	--	25			X	X	
			640,066	404,780	44.2847	-88.2447										
OU2B	6	FN	643,700	408,562	44.3181	-88.1981	--	1	--	--	--		X			
OU2B	7	FN	639,777	404,433	44.2817	-88.2483	--	--	--	--	--	X	X	X		
OU2B	8	EL	639,677	404,309	44.2806	-88.2497	3	2	--	--	10			X		
OU2B	9	EL	639,769	404,157	44.2792	-88.2486	1	4	4	--	4		X	X		
			640,074	404,441	44.2817	-88.2447										
OU2B	10	EL	640,047	404,656	44.2836	-88.2450	--	--	2	--	16					
			640,257	405,216	44.2886	-88.2422										
OU2B	11	EL	640,026	406,663	44.3017	-88.2447	--	--	--	--	52					SAV
			639,831	404,374	44.2811	-88.2478										
OU2B	12	FN	643,700	408,562	44.3181	-88.1981	--	--	--	--	--	X	X			
OU2B	13	FN	639,669	404,307	44.2806	-88.2497	--	--	--	--	--	X	X	X		L bank
OU2B	14	EL	643,732	408,471	44.3172	-88.1978	--	--	1	--	--	X	X	X		SAV
			642,547	407,952	44.3128	-88.2128										
OU2B	15	EL	639,763	404,435	44.2817	-88.2486	--	--	2	--	--		X	X		SAV
OU2B	16	EL	639,702	404,186	44.2794	-88.2494	--	2	5	--	--	X	X	X		SAV
			639,789	404,281	44.2803	-88.2483										
OU2B	17	EL	639,722	404,248	44.2800	-88.2492	5	4	--	--	--	X		X		SAV
			639,632	404,339	44.2808	-88.2503										

Table A-1
Fish Sampling Coordinates 2006

OU	Run #	Type	Easting (NAD 27, m)	Northing (NAD 27, m)	Latitude	Longitude	Fish Catch					Substrate				Comments
							Walleye	Bass	Drum	Carp	Gz Shad	Silt	Sand	Gravel	Boulder	
OU2C	1	FN	643,995	408,260	44.3153	-88.1944	--	--	--	--	--					R bank
OU2C	2	FN	644,324	408,391	44.3164	-88.1903	--	--	--	--	--					L bank
OU2C	3	EL	643,780	408,349	44.3161	-88.1972	--	3	7	7	2		X	X		Below dam
OU2C	4	EL	644,244	408,390	44.3164	-88.1914	2	6	15	2	5		X	X	X	SAV
			644,157	408,296	44.3156	-88.1925										
OU2C	5	EL	644,179	408,326	44.3158	-88.1922	--	1	7	--	--		X	X		
			644,818	408,464	44.3169	-88.1842										
OU2C	6	EL	646,928	410,271	44.3328	-88.1572	--	2	3	1	1			X	X	R bank, rip rap shoreline
OU2C	7	EL	643,779	408,380	44.3164	-88.1972	2	4	1	2	7			X	X	Below dam
			643,826	408,258	44.3153	-88.1967										
OU2C	8	FN	643,972	408,291	44.3156	-88.1947	--	--	--	--	--			X	X	SAV, center channel, off rocks
OU2C	9	FN	644,369	408,392	44.3164	-88.1897	--	--	--	--	--		X	X	X	L bank
OU2C	10	EL	644,464	408,456	44.3169	-88.1886	--	1	1	8	--		X	X		Old lock channel, L bank
			643,889	408,413	44.3167	-88.1958										
OU2C	11	EL	643,779	408,380	44.3164	-88.1972	1	1	5	1	--			X	X	Below dam
			644,267	408,359	44.3161	-88.1911										
OU2C	12	FN	643,972	408,291	44.3156	-88.1947	--	--	--	--	--					
OU2C	13	FN	644,369	408,392	44.3164	-88.1897	--	--	--	--	--					
OU2C	14	EL	643,756	408,410	44.3167	-88.1975	1	2	--	2	50			X	X	Below dam, bank to bank
			643,981	408,261	44.3153	-88.1947										
OU2C	15	EL	643,916	408,197	44.3147	-88.1956	--	1	--	2	--	X		X	X	Channel, R bank, woody debris
			645,015	408,593	44.3181	-88.1817										
OU2C	16	EL	646,315	409,597	44.3268	-88.1650	--	2	--	4	--		X	X		Bridge abutment, sewage treatment, R bank
			646,769	409,994	44.3303	-88.1592										
OU2C	17	EL	643,756	408,410	44.3167	-88.1975	4	--	--	--	4			X		Below dam
			643,847	408,319	44.3158	-88.1964										

Table A-1
Fish Sampling Coordinates 2006

OU	Run #	Type	Easting (NAD 27, m)	Northing (NAD 27, m)	Latitude	Longitude	Fish Catch					Substrate				Comments
							Walleye	Bass	Drum	Carp	Gz Shad	Silt	Sand	Gravel	Boulder	
OU2C	18	EL	643,693	408,286	44.3156	-88.1983	1	--	--	1	--	X	X			SAV, R bank
			644,643	408,368	44.3161	-88.1864										
OU2C	19	EL	643,782	408,257	44.3153	-88.1972	5	--	--	--	--			X		Below dam, L bank
			644,155	408,388	44.3164	-88.1925										
OU2C	20	EL	646,261	409,392	44.3250	-88.1658	--	--	--	--	--	X		X		Small waterfall
			646,322	409,640	44.3272	-88.1650										
OU3	1	EL	644,637	408,677	44.3189	-88.1864	--	10	6	7	--			X	X	Below dam
			644,643	408,368	44.3161	-88.1864										
OU3	2	FN	649,661	415,364	44.3781	-88.1214	--	--	--	--	--		X	X		
OU3	3	FN	649,641	415,271	44.3772	-88.1217	--	--	--	--	--		X	X		
OU3	4	EL	644,637	408,677	44.3189	-88.1864	--	1	8	6	2	X				SAV, over-water structures, L bank
			649,847	416,326	44.3867	-88.1189										
OU3	5	EL	649,917	416,142	44.3850	-88.1181	--	--	--	7	11	X	X			SAV, R bank
			651,169	417,560	44.3975	-88.1019										
OU3	6	EL	649,516	415,300	44.3775	-88.1233	2	1	2	5	--			X	X	Below dam, bank to bank
			649,584	415,209	44.3767	-88.1225										
OU3	7	EL	649,802	416,355	44.3869	-88.1194	--	--	--	--	11	X				SAV, L bank
			649,965	416,977	44.3925	-88.1172										
OU3	8	EL	649,581	415,363	44.3781	-88.1225	--	1	2	--	--			X	X	Below dam, bank to bank
			649,558	415,393	44.3783	-88.1228										
OU3	9	EL	649,497	415,145	44.3761	-88.1236	1	3	4	2	--			X	X	Below dam, bank to bank
			649,492	415,361	44.3781	-88.1236										
OU3	10	EL	649,706	415,705	44.3811	-88.1208	--	--	2	--	22	X				SAV, L bank
			649,757	416,354	44.3869	-88.1200										
OU3	11	EL	650,648	417,085	44.3933	-88.1086	--	--	1	--	43	X				SAV, R bank
			649,971	415,742	44.3814	-88.1175										
OU3	12	EL	651,092	417,991	44.4014	-88.1028	--	--	--	--	46	X				SAV, L bank
			649,798	416,510	44.3883	-88.1194										
OU3	13	EL	649,559	415,332	44.3778	-88.1228	1	--	--	--	12			X	X	Channel below dam, bank to bank
			649,605	415,271	44.3772	-88.1222										
OU3	14	FN	649,661	415,364	44.3781	-88.1214	--		--	--	--					

Table A-1
Fish Sampling Coordinates 2006

OU	Run #	Type	Easting (NAD 27, m)	Northing (NAD 27, m)	Latitude	Longitude	Fish Catch					Substrate				Comments
							Walleye	Bass	Drum	Carp	Gz Shad	Silt	Sand	Gravel	Boulder	
OU3	15	FN	649,641	415,271	44.3772	-88.1217	--		--	--	--					
OU3	16	EL	649,541	415,146	44.3761	-88.1231	--	--	--	--	--				X	Channel below dam, bank to bank
			649,601	415,456	44.3789	-88.1222										
OU3	17	EL	650,500	414,859	44.3733	-88.1111	--	--	--	--	--			X		SAV, R bank
			650,159	416,210	44.3856	-88.1150										
OU3	18	EL	649,516	415,331	44.3778	-88.1233	2	--	--	--	--					Channel below dam, bank to bank
			649,538	415,300	44.3775	-88.1231										
OU3	19	EL	649,538	415,300	44.3775	-88.1231	--	--	--	--	--	X		X		SAV, R bank
			650,325	414,794	44.3728	-88.1133										
OU3	20	EL	649,733	415,459	44.3789	-88.1206	--	1	--	6	--					
			649,797	415,584	44.3800	-88.1197										
OU3	21	EL	649,726	415,768	44.3817	-88.1206	--	--	--	--	--					
OU3	22	EL	653,428	421,256	44.4303	-88.0725	--	--	--	--	--	X	X		X	
			653,765	421,943	44.4364	-88.0681										
OU3	23	EL	649,567	415,298	44.3774	-88.1226	7	--	--	--	--		X	X		Below Little Rapids dam
			649,544	415,224	44.3768	-88.1229										
OU3	24	EL	649,567	415,298	44.3774	-88.1226	2	--	--	7	--		X	X		Below Little Rapids dam
			649,544	415,224	44.3768	-88.1229										
OU4	1	EL	653,973	423,461	44.4500	-88.0650	13	--	9	1	1			X	X	R bank
			653,925	423,583	44.4511	-88.0656										
OU4	2	EL	653,927	423,522	44.4506	-88.0656	3	--	16	--	--			X	X	Old RR bridge abutments
			653,841	423,395	44.4494	-88.0667										
OU4	3	EL	653,577	424,316	44.4578	-88.0697	--	--	--	--	1	X	X			SAV
			653,687	423,392	44.4494	-88.0686										
OU4	4	EL	654,386	424,705	44.4611	-88.0594	--	--	2	--	--	X	X	X		
			654,145	424,607	44.4603	-88.0625										
OU4	5	EL	653,772	423,518	44.4506	-88.0675	--	--	--	--	--	X	X	X		Near paper mill
			653,841	423,395	44.4494	-88.0667										
OU4	6	EL	653,838	423,550	44.4508	-88.0667	--	--	3	--	--		X	X	X	
			653,907	423,459	44.4500	-88.0658										
OU4	7	EL	653,901	423,706	44.4522	-88.0658	--	--	--	--	3	X				SAV, organic detritus
			654,406	424,768	44.4617	-88.0592										

Table A-1
Fish Sampling Coordinates 2006

OU	Run #	Type	Easting (NAD 27, m)	Northing (NAD 27, m)	Latitude	Longitude	Fish Catch					Substrate				Comments
							Walleye	Bass	Drum	Carp	Gz Shad	Silt	Sand	Gravel	Boulder	
OU4	8	EL	654,473	424,770	44.4617	-88.0583	--	--	--	17	20	X				Near mouth of creek
			654,652	425,607	44.4692	-88.0558										
OU4	9	EL	655,210	426,300	44.4753	-88.0486	--	--	--	7	12					
			656,690	428,187	44.4919	-88.0294										
OU4	10	EL	656,814	428,530	44.4950	-88.0278	--	--	--	--	--	X	X	X	X	
			657,090	428,104	44.4911	-88.0244										
OU4	11	EL	658,461	433,448	44.5389	-88.0056	--	--	--	1	7	X	X	X	X	SAV
			658,157	432,390	44.5294	-88.0097										
OU4	12	EL	658,231	432,053	44.5264	-88.0089	--	--	--	1	--					
			658,114	431,402	44.5206	-88.0106										
OU4	13	EL	658,476	432,862	44.5336	-88.0056	--	--	--	1	--	X				SAV
			658,700	432,744	44.5325	-88.0028										
OU4	14	SN	656,313	427,713	44.4877	-88.0342	--	--	--	--	162			X		Near GP outfall, L bank
OU4	15	EL	654,651	425,637	44.4694	-88.0558	--	--	--	3	--	X				Near creek mouth
			654,516	425,728	44.4703	-88.0575										
OU4	16	EL	653,795	423,488	44.4503	-88.0672	--	--	--	--	--			X		Below dam
			653,902	423,645	44.4517	-88.0658										
OU4	17	SL	653,887	423,335	44.4489	-88.0661	--	--	--	--	--			X		~400 ft. from DePere dam, rock bar
OU4	18	SL	656,859	428,500	44.4947	-88.0272	--	--	--	--	--					RR bridge, piling, boat wreck nearby, L bank
OU4	19	SL	656,859	428,500	44.4947	-88.0272	--	--	--	--	--	X		X		RR bridge, piling, boat wreck nearby, L bank
OU4	20	SL	653,887	423,335	44.4489	-88.0661	--	--	--	--	--			X		~400 ft. from DePere dam, rock bar
OU4	21	EL	657,354	430,091	44.5089	-88.0204	--	3	--	--	--	X	X		X	between Main and Mason St. bridges, rip rap shoreline
			657,736	431,059	44.5175	-88.0153										
OU4	22	EL	657,125	428,428	44.4940	-88.0238	5	--	--	--	--	X	X	X		Near RR bridge
			657,060	428,752	44.4969	-88.0245										
OU4	23	EL	656,024	427,493	44.4858	-88.0379	--	1	--	1	--	X	X		X	Near GP property, L bank, rip rap shoreline
			656,842	428,398	44.4937	-88.0273										

Table A-1
Fish Sampling Coordinates 2006

OU	Run #	Type	Easting (NAD 27, m)	Northing (NAD 27, m)	Latitude	Longitude	Fish Catch					Substrate				Comments
							Walleye	Bass	Drum	Carp	Gz Shad	Silt	Sand	Gravel	Boulder	
OU5A	1	TR	664,671	434,676	44.5486	-87.9270	2	--	2	--	19	X	X			
			664,757	435,070	44.5521	-87.9258										
OU5A	2	TR	664,863	435,501	44.5559	-87.9243	2	--	1	--	29	X	X			
			664,930	435,908	44.5596	-87.9233										
OU5A	3	TR	665,585	437,030	44.5695	-87.9147	1	--	4	--	25	X	X			
			665,566	436,629	44.5659	-87.9151										
OU5A	4	TR	665,433	436,512	44.5649	-87.9168	1	--	3	1	50	X	X			
			665,332	436,117	44.5614	-87.9182										
OU5A	5	TR	665,189	435,964	44.5600	-87.9200	--	--	3	2	25	X	X			
			665,143	435,575	44.5565	-87.9207										
OU5A	6	TR	665,063	435,377	44.5548	-87.9218	2	--	--	--	--	X	X			
OU5A	7	TR	664,379	436,274	44.5630	-87.9301	1	--	1	--	--	X	X			
			664,284	434,802	44.5498	-87.9318										
OU5A	8	TR	664,155	434,290	44.5452	-87.9336	--	--	1	--	--	X	X			
			664,135	434,684	44.5488	-87.9337										
OU5A	9	TR	664,082	434,246	44.5448	-87.9345	--	--	2	--	--	X	X			
			663,726	434,438	44.5466	-87.9389										
OU5A	10	TR	663,500	434,555	44.5477	-87.9417	--	--	4	--	--	X	X			
			663,102	434,578	44.5480	-87.9467										
OU5A	11	EL	658,007	438,643	44.5857	-88.0096	7	5	10	13	--	X	X	X		Inside Point Sable, east shore
			659,856	439,025	44.5887	-87.9862										
OU5A	12	EL	662,373	432,779	44.5319	-87.9564	--	--	--	--	--	X				Inside Longtail Point, west shore
			666,325	437,336	44.5720	-87.9053										
OU5A	13	EL	654,815	436,354	44.5658	-88.0506	--	--	--	--	--	X				mouth of Duck Creek
			655,700	436,283	44.5650	-88.0394										
OU5A	14	EL	654,555	439,868	44.5975	-88.0528	--	--	--	--	--					mouth of Duck Creek
			654,839	439,967	44.5983	-88.0492										
OU5A	15	EL	657,506	443,706	44.6314	-88.0144	--	--	--	1	--	X				
			657,903	443,715	44.6314	-88.0094										
OU5A	16	SL	659,285	435,567	44.5578	-87.9944	--	--	--	--	--					Federal navigation channel
OU5A	17	SL	659,108	435,563	44.5578	-87.9967	--	--	--	--	--					Federal navigation channel

Table A-1
Fish Sampling Coordinates 2006

OU	Run #	Type	Easting (NAD 27, m)	Northing (NAD 27, m)	Latitude	Longitude	Fish Catch					Substrate				Comments
							Walleye	Bass	Drum	Carp	Gz Shad	Silt	Sand	Gravel	Boulder	
OU5A	18	SL	658,288	433,906	44.5431	-88.0075	--	--	--	--	--					
OU5A	19	SL	658,934	433,674	44.5408	-87.9994	--	--	--	--	--					
OU5A	20	SL	659,547	433,875	44.5425	-87.9917	--	--	--	--	--					
OU5A	21	SL	659,734	433,478	44.5389	-87.9894	--	--	--	--	--					
OU5B	1	EL	674,362	444,910	44.6383	-87.8017	3	--	1	1	10			X		South shore
			673,268	444,602	44.6358	-87.8156										
OU5B	2	EL	675,636	445,098	44.6397	-87.7856	--	--	--	--	--					South shore
			675,836	445,012	44.6389	-87.7831										
OU5B	3A	EL	676,687	445,374	44.6419	-87.7722	--	--	--	--	--					South shore
			676,940	445,783	44.6456	-87.7689										
OU5B	3B	EL	678,542	448,421	44.6689	-87.7478	--	--	--	--	--			X		South shore
			678,164	447,762	44.6631	-87.7528										
OU5B	4	EL	678,164	447,762	44.6631	-87.7528	--	--	--	--	--		X	X		SAV, south shore
			677,334	445,886	44.6464	-87.7639										
OU5B	5	EL	677,291	445,854	44.6461	-87.7644	4	1	2	--	62		X	X	X	Near boat launch
			673,383	444,421	44.6342	-87.8142										
OU5B	6	EL	693,656	469,085	44.8508	-87.5494	--	--	--	5	--	X		X		SAV, Little Sturgeon Bay
			692,787	467,299	44.8350	-87.5611										
OU5B	7	EL	688,020	467,220	44.8356	-87.6214	--	--	--	1	--		X	X		SAV, south shore, near Little Sturgeon Bay
			693,382	466,483	44.8275	-87.5539										
OU5B	8	EL	674,362	444,910	44.6383	-87.8017	7	--	3	--	77			X	X	Near boat launch, rip rap
			673,268	444,602	44.6358	-87.8156										
OU5B	9	EL	676,944	445,629	44.6442	-87.7689	--	--	--	--	--	X	X			SAV, south shore
			677,613	446,141	44.6486	-87.7603										
OU5B	10	EL	672,759	443,848	44.6292	-87.8222	--	--	--	--	7			X	X	Near boat launch
			674,297	444,878	44.6381	-87.8025										
OU5B	11	EL	673,526	444,857	44.6381	-87.8122	3	--	11	--	--			X	X	South shore
			674,516	444,945	44.6386	-87.7997										
OU5B	12	EL	674,253	444,877	44.6381	-87.8031	--	--	--	1	--				X	Bay Shore Park breakwall
			674,077	444,841	44.6378	-87.8053										

Table A-1
Fish Sampling Coordinates 2006

OU	Run #	Type	Easting (NAD 27, m)	Northing (NAD 27, m)	Latitude	Longitude	Fish Catch					Substrate				Comments
							Walleye	Bass	Drum	Carp	Gz Shad	Silt	Sand	Gravel	Boulder	
OU5B	13	EL	693,346	468,427	44.8450	-87.5536	--	--	--	1	--					Little Sturgeon Bay
			693,286	466,758	44.8300	-87.5550										
OU5B	14	EL	671,711	473,506	44.8962	-87.8253	--	2	--	--	--		X	X		Oconto River
			671,264	474,208	44.9026	-87.8307										
Notes:																
SAV = submerged aquatic vegetation; L bank and R bank = Fishing along left or right banks, respectively (as facing downstream)																
EL = electrofishing; TR = trawl; FN = Fyke net; SL = set line; SN = seine net																

Table A-2
Fish Sampling Coordinates 2007

OU	Run #	Type	Easting (NAD 27)	Northing (NAD 27)	Latitude	Longitude	Fish Catch					Substrate				Comments
							Walleye	Bass	Drum	Carp	Gz Shad	Silt	Sand	Gravel	Boulder	
LWB	1	RR	634,037	371,029	43.9821	-88.3287	--	5	3	--	--					East shore
			633,778	371,267	43.9843	-88.3319										
LWB	2	RR	634,037	371,029	43.9821	-88.3287	1	1	1	--	--					East shore
			633,707	371,575	43.9870	-88.3327										
LWB	3	RR	633,898	371,066	43.9824	-88.3304	--	--	--	--	--					East shore
			633,774	371,255	43.9841	-88.3319										
LWB	4	RR	634,483	366,856	43.9444	-88.3242	1	--	1	--	--					East shore
			634,366	367,116	43.9468	-88.3256										
LWB	5	RR	634,914	366,698	43.9429	-88.3189	--	--	1	--	--					East shore
			634,636	367,010	43.9458	-88.3223										
LWB	6	RR	623,287	387,443	44.1317	-88.4589	--	--	1	--	--					West shore
			623,034	387,901	44.1358	-88.4619										
LWB	7	RR	623,287	387,443	44.1317	-88.4589	5	2	4	--	--					West shore
			623,093	388,303	44.1394	-88.4611										
LWB	8	RR	623,788	389,181	44.1472	-88.4522	--	--	2	--	--					West shore
			623,809	389,212	44.1475	-88.4519										
LWB	9	RR	621,428	382,131	44.0842	-88.4833	2	--	3	--	--					West shore
			621,355	382,469	44.0872	-88.4842										
LWB	10	RR	619,293	375,981	44.0292	-88.5114	--	--	1	--	--					West shore
			619,292	376,012	44.0294	-88.5114										
LWB	11	RR	620,822	366,626	43.9447	-88.4944	--	--	1	--	--					West shore
			620,612	367,147	43.9494	-88.4969										
LWB	12	RR	623,287	387,443	44.1317	-88.4589	2	3	--	--	--					West shore
LWB	13	RR	622,806	386,971	44.1275	-88.4650	1	6	8	--	--					West shore
			623,391	386,642	44.1244	-88.4578										
LWB	14	RR	633,539	378,257	44.0472	-88.3331	--	1	1	--	--		X			East shore, SAV
			634,124	378,302	44.0475	-88.3258										
LWB	15	RR	633,777	378,820	44.0522	-88.3300	1	1	--	--	--		X			East shore, SAV
			633,924	378,450	44.0489	-88.3283										
LWB	16	RR	633,958	377,558	44.0408	-88.3281	--	--	--	--	--	X	X			East shore, some SAV
			634,001	379,812	44.0611	-88.3269										
LWB	17	RR	633,934	377,650	44.0417	-88.3283	--	--	--	--	--	X	X			East shore, some SAV
			634,163	379,507	44.0583	-88.3250										

Table A-2
Fish Sampling Coordinates 2007

OU	Run #	Type	Easting (NAD 27)	Northing (NAD 27)	Latitude	Longitude	Fish Catch					Substrate				Comments
							Walleye	Bass	Drum	Carp	Gz Shad	Silt	Sand	Gravel	Boulder	
OU4	1	RR	658,384	433,515	44.5394	-88.0064	--	1	--	--	--				X	rip rap
OU4	2	RR	658,384	433,515	44.5394	-88.0064	--	--	--	--	--			X	X	near WPS outfall
OU4	3	RR	658,715	433,523	44.5394	-88.0022	--	1	--	--	--				X	rip rap, river delta area
			659,226	433,381	44.5381	-87.9958										
OU4	4	RR	658,344	433,329	44.5378	-88.0069	--	--	--	--	--	X			X	some SAV
			658,446	433,671	44.5408	-88.0056										
OU4	5	RR	659,227	433,350	44.5378	-87.9958	--	1	--	--	--				X	rip rap, river delta area
			658,384	433,515	44.5394	-88.0064										
OU4	6	RR	659,645	433,422	44.5383	-87.9906	--	--	--	--	--				X	SAV, rip rap along Kidney Island
			660,157	433,250	44.5367	-87.9842										
OU4	7	RR	658,779	433,586	44.5400	-88.0014	--	--	--	--	--					river delta area
OU4	8	RR	658,294	432,679	44.5319	-88.0078	--	--	--	--	--					R bank
			658,103	431,439	44.5208	-88.0106										
OU4	9	RR	658,799	433,596	44.5401	-88.0011	1	--	--	--	--			X	X	SAV, river delta area
			659,111	433,400	44.5383	-87.9973										
OU4	10	RR	657,621	431,179	44.5186	-88.0167	--	--	--	--	--					L bank
			657,499	430,965	44.5167	-88.0183										
OU4	11	RR	658,388	433,530	44.5396	-88.0063	--	4	--	--	--	X		X	X	rip rap, SAV, near WPS outfall
OU4	12	RR	657,269	430,308	44.5108	-88.0214	--	--	--	--	--					L bank
			657,289	430,401	44.5117	-88.0211										
OU4	13	RR	657,017	428,851	44.4978	-88.0250	--	--	--	--	--					L bank
OU4	14	RR	658,304	433,173	44.5364	-88.0075	--	--	--	--	--					L bank
			658,362	433,483	44.5392	-88.0067										
OU4	15	RR	658,428	433,516	44.5394	-88.0058	--	--	--	--	--					L bank
			658,404	433,577	44.5400	-88.0061										
OU4	16	RR	654,339	428,107	44.4917	-88.0589	3	5	1	--	--		X	X	X	L bank
OU4	17	RR	653,834	423,310	44.4486	-88.0667	--	5	--	--	--	X		X	X	SAV, below dam, near paper mill
OU5A	1	RR	659,322	435,761	44.5594	-87.9939	1	--	--	--	--				X	Island east of navigation channel, rip rap
			659,325	435,637	44.5583	-87.9939										
OU5A	2	RR	659,325	435,637	44.5583	-87.9939	--	--	--	--	--				X	Island east of navigation channel, rip rap
			659,322	435,761	44.5594	-87.9939										

Table A-2
Fish Sampling Coordinates 2007

OU	Run #	Type	Easting (NAD 27)	Northing (NAD 27)	Latitude	Longitude	Fish Catch					Substrate				Comments
							Walleye	Bass	Drum	Carp	Gz Shad	Silt	Sand	Gravel	Boulder	
OU5A	3	RR	659,737	443,983	44.6333	-87.9861	1	--	--	--	--		X			SAV
			658,400	444,568	44.6389	-88.0028										
OU5A	4	RR	658,162	445,998	44.6518	-88.0053	--	--	--	--	--					SAV, over-water structures, Windjammer Marina
OU5A	5	RR	658,741	444,175	44.6353	-87.9986	2	--	--	--	--		X			SAV
			658,867	444,394	44.6372	-87.9969										
OU5A	6	RR	658,781	445,226	44.6447	-87.9978	2	--	--	--	--		X			SAV
			658,716	444,267	44.6361	-87.9989										
OU5A	7	RR	659,515	444,008	44.6336	-87.9889	1	--	--	--	--		X			SAV
			657,752	444,053	44.6344	-88.0111										
OU5A	8	RR	659,942	444,606	44.6389	-87.9833	--	--	--	--	--		X			SAV
			659,038	445,510	44.6472	-87.9944										
OU5A	9	RR	658,376	445,491	44.6472	-88.0028	--	--	--	--	--		X			SAV
			657,947	445,169	44.6444	-88.0083										
OU5A	10	RR	(659322)	(435760)	(44.5594)	(-87.9939)	--	4	--	--	--			X	X	Island east of navigation channel, rip rap
			(659325)	(435637)	(44.5583)	(-87.9939)										
OU5A	11	RR	658,875	434,638	44.5494	-87.9999	--	--	--	--	--	X	X	X		SAV, navigation channel
			659,746	436,932	44.5699	-87.9882										
OU5A	12	RR	659,684	436,915	44.5698	-87.9890	--	--	--	--	--	X	X	X		SAV, navigation channel
			658,877	434,576	44.5489	-87.9999										
OU5B	1	RR	693,272	467,753	44.8389	-87.5547	--	--	--	--	--					Little Sturgeon Bay
			693,454	468,068	44.8417	-87.5523										
OU5B	2	RR	693,197	467,905	44.8403	-87.5556	--	8	1	--	--			X		Little Sturgeon Bay, SAV
OU5B	3	RR	693,350	467,555	44.8371	-87.5538	--	--	--	--	--					Little Sturgeon Bay
			693,113	468,212	44.8431	-87.5565										
OU5B	4	RR	694,524	467,637	44.8375	-87.5389	--	--	--	--	--			X		Little Sturgeon Bay, SAV
OU5B	5	RR	693,356	466,570	44.8282	-87.5541	--	--	--	--	--					Little Sturgeon Bay
OU5B	6	RR	694,065	468,271	44.8433	-87.5444	--	8	--	--	--		X		X	Little Sturgeon Bay, SAV
Notes:																
SAV = submerged aquatic vegetation; L bank and R bank = Fishing along left or right banks, respectively (as facing downstream)																
RR = rod and reel; (##) = estimated coordinate																

Table A-3
Water Sampling Coordinates - August 2006 to July 2007

Date	OU	Station	Easting (WTM, NAD27, m)	Northing (WTM, NAD27, m)
Aug-06	LW	A	625,569	392,517
Aug-06	LW	B	625,571	392,512
Aug-06	LW	C	626,486	393,943
Aug-06	LW	D	626,485	393,934
Aug-06	LW	E	627,392	395,351
Aug-06	LW	F	627,390	395,351
Sep-06	LW	A	625,567	392,507
Sep-06	LW	B	625,568	392,513
Sep-06	LW	C	626,476	393,931
Sep-06	LW	D	626,477	393,943
Sep-06	LW	E	NS	NS
Sep-06	LW	F	NS	NS
Oct-06	LW	A	625,562	392,513
Oct-06	LW	B	625,562	392,510
Oct-06	LW	C	626,488	393,940
Oct-06	LW	D	626,486	393,941
Oct-06	LW	E	627,391	395,357
Oct-06	LW	F	627,389	395,360
Nov-06	LW	A	625,568	392,530
Nov-06	LW	B	625,572	392,525
Nov-06	LW	C	626,473	393,935
Nov-06	LW	D	626,479	393,943
Nov-06	LW	E	627,386	395,357
Nov-06	LW	F	627,388	395,362
Dec-06	LW	A	NS	NS
Dec-06	LW	B	NS	NS
Dec-06	LW	C	NS	NS
Dec-06	LW	D	NS	NS
Dec-06	LW	E	NS	NS
Dec-06	LW	F	NS	NS
Jan-07	LW	A	625,571	392,508
Jan-07	LW	B	625,572	392,508
Jan-07	LW	C	626,484	393,938
Jan-07	LW	D	626,487	393,939
Jan-07	LW	E	627,390	395,358
Jan-07	LW	F	627,393	395,358
Feb-07	LW	A	625,572	392,504
Feb-07	LW	B	625,572	392,504
Feb-07	LW	C	626,484	393,944
Feb-07	LW	D	626,484	393,944
Feb-07	LW	E	627,390	395,399
Feb-07	LW	F	627,390	395,399
Mar-07	LW	A	625,571	392,510
Mar-07	LW	B	625,571	392,510
Mar-07	LW	C	626,482	393,936
Mar-07	LW	D	626,482	393,936
Mar-07	LW	E	627,390	395,364
Mar-07	LW	F	627,390	395,364
Apr-07	LW	A	625,629	392,567
Apr-07	LW	B	625,572	392,518

Table A-3
Water Sampling Coordinates - August 2006 to July 2007

Date	OU	Station	Easting (WTM, NAD27, m)	Northing (WTM, NAD27, m)
Apr-07	LW	C	626,490	393,932
Apr-07	LW	D	626,496	393,946
Apr-07	LW	E	627,300	395,315
Apr-07	LW	F	627,297	395,305
May-07	LW	A	625,561	392,510
May-07	LW	B	625,563	392,520
May-07	LW	C	626,481	393,947
May-07	LW	D	626,489	393,945
May-07	LW	E	627,385	395,352
May-07	LW	F	627,393	395,356
Jun-07	LW	A	625,570	392,515
Jun-07	LW	B	625,567	392,512
Jun-07	LW	C	626,477	393,943
Jun-07	LW	D	626,482	393,943
Jun-07	LW	E	627,387	395,353
Jun-07	LW	F	627,390	395,350
Jul-07	LW	A	625,578	392,499
Jul-07	LW	B	625,577	392,519
Jul-07	LW	C	626,497	393,954
Jul-07	LW	D	626,497	393,929
Jul-07	LW	E	627,393	395,350
Jul-07	LW	F	627,385	395,354
Aug-06	OU1	A	624,544	399,940
Aug-06	OU1	B	624,549	399,937
Aug-06	OU1	C	626,487	400,038
Aug-06	OU1	D	626,488	400,036
Aug-06	OU1	E	624,628	399,842
Aug-06	OU1	F	624,617	399,836
Sep-06	OU1	A	624,566	399,927
Sep-06	OU1	B	624,559	399,922
Sep-06	OU1	C	624,585	399,886
Sep-06	OU1	D	624,579	399,884
Sep-06	OU1	E	624,604	399,843
Sep-06	OU1	F	624,605	399,839
Oct-06	OU1	A	624,563	399,933
Oct-06	OU1	B	624,563	399,930
Oct-06	OU1	C	624,589	399,887
Oct-06	OU1	D	624,586	399,887
Oct-06	OU1	E	624,619	399,837
Oct-06	OU1	F	624,619	399,840
Nov-06	OU1	A	624,561	399,927
Nov-06	OU1	B	624,561	399,927
Nov-06	OU1	C	624,583	399,885
Nov-06	OU1	D	624,584	399,885
Nov-06	OU1	E	624,618	399,839
Nov-06	OU1	F	624,618	399,837
Dec-06	OU1	A	624,588	399,968
Dec-06	OU1	B	624,600	399,974
Dec-06	OU1	C	624,594	399,885
Dec-06	OU1	D	624,597	399,946

Table A-3
Water Sampling Coordinates - August 2006 to July 2007

Date	OU	Station	Easting (WTM, NAD27, m)	Northing (WTM, NAD27, m)
Dec-06	OU1	E	624,622	399,834
Dec-06	OU1	F	624,637	399,853
Jan-07	OU1	A	624,564	399,927
Jan-07	OU1	B	624,563	399,927
Jan-07	OU1	C	624,584	399,885
Jan-07	OU1	D	624,583	399,887
Jan-07	OU1	E	624,620	399,838
Jan-07	OU1	F	624,619	399,837
Feb-07	OU1	A	624,560	399,924
Feb-07	OU1	B	624,560	399,924
Feb-07	OU1	C	624,585	399,884
Feb-07	OU1	D	624,585	399,884
Feb-07	OU1	E	624,618	399,838
Feb-07	OU1	F	624,618	399,838
Mar-07	OU1	A	624,564	399,925
Mar-07	OU1	B	624,564	399,928
Mar-07	OU1	C	624,586	399,884
Mar-07	OU1	D	624,582	399,887
Mar-07	OU1	E	624,620	399,844
Mar-07	OU1	F	624,617	399,839
Apr-07	OU1	A	624,568	399,934
Apr-07	OU1	B	624,561	399,926
Apr-07	OU1	C	624,589	399,899
Apr-07	OU1	D	624,587	399,887
Apr-07	OU1	E	624,619	399,848
Apr-07	OU1	F	624,618	399,832
May-07	OU1	A	624,537	399,935
May-07	OU1	B	624,543	399,932
May-07	OU1	C	624,566	399,898
May-07	OU1	D	624,579	399,871
May-07	OU1	E	624,618	399,836
May-07	OU1	F	624,620	399,838
Jun-07	OU1	A	624,569	399,920
Jun-07	OU1	B	624,567	399,921
Jun-07	OU1	C	624,585	399,889
Jun-07	OU1	D	624,587	399,890
Jun-07	OU1	E	624,621	399,841
Jun-07	OU1	F	624,622	399,840
Jul-07	OU1	A	624,562	399,931
Jul-07	OU1	B	624,564	399,929
Jul-07	OU1	C	624,581	399,886
Jul-07	OU1	D	624,580	399,885
Jul-07	OU1	E	624,612	399,845
Jul-07	OU1	F	624,610	399,842
Aug-06	OU2A	A	632,720	404,105
Aug-06	OU2A	B	632,720	404,100
Aug-06	OU2A	C	632,736	404,038
Aug-06	OU2A	D	632,735	404,035
Aug-06	OU2A	E	632,745	403,968
Aug-06	OU2A	F	632,747	403,967

Table A-3
Water Sampling Coordinates - August 2006 to July 2007

Date	OU	Station	Easting (WTM, NAD27, m)	Northing (WTM, NAD27, m)
Sep-06	OU2A	A	632,720	404,096
Sep-06	OU2A	B	632,721	404,096
Sep-06	OU2A	C	632,743	404,034
Sep-06	OU2A	D	632,743	404,034
Sep-06	OU2A	E	632,749	403,966
Sep-06	OU2A	F	632,751	403,968
Oct-06	OU2A	A	632,723	404,102
Oct-06	OU2A	B	632,724	404,101
Oct-06	OU2A	C	632,742	404,033
Oct-06	OU2A	D	632,735	404,034
Oct-06	OU2A	E	632,750	403,968
Oct-06	OU2A	F	632,751	403,970
Nov-06	OU2A	A	632,718	404,099
Nov-06	OU2A	B	632,718	404,100
Nov-06	OU2A	C	632,734	404,035
Nov-06	OU2A	D	632,735	404,034
Nov-06	OU2A	E	632,752	403,970
Nov-06	OU2A	F	632,747	403,967
Dec-06	OU2A	A	632,722	404,098
Dec-06	OU2A	B	632,722	404,099
Dec-06	OU2A	C	632,735	404,035
Dec-06	OU2A	D	632,733	404,036
Dec-06	OU2A	E	632,748	403,968
Dec-06	OU2A	F	632,747	403,968
Jan-07	OU2A	A	632,722	404,099
Jan-07	OU2A	B	632,720	404,099
Jan-07	OU2A	C	632,737	404,034
Jan-07	OU2A	D	632,739	404,032
Jan-07	OU2A	E	632,748	403,964
Jan-07	OU2A	F	632,745	403,969
Feb-07	OU2A	A	632,718	404,098
Feb-07	OU2A	B	632,718	404,098
Feb-07	OU2A	C	632,734	404,038
Feb-07	OU2A	D	632,734	404,038
Feb-07	OU2A	E	632,750	403,970
Feb-07	OU2A	F	632,750	403,970
Mar-07	OU2A	A	632,710	404,100
Mar-07	OU2A	B	632,711	404,100
Mar-07	OU2A	C	632,734	404,035
Mar-07	OU2A	D	632,730	404,038
Mar-07	OU2A	E	632,747	403,968
Mar-07	OU2A	F	632,749	403,964
Apr-07	OU2A	A	632,720	404,105
Apr-07	OU2A	B	632,720	404,100
Apr-07	OU2A	C	632,736	404,038
Apr-07	OU2A	D	632,735	404,035
Apr-07	OU2A	E	632,745	403,968
Apr-07	OU2A	F	632,747	403,967
May-07	OU2A	A	632,711	404,092
May-07	OU2A	B	632,712	404,095

Table A-3
Water Sampling Coordinates - August 2006 to July 2007

Date	OU	Station	Easting (WTM, NAD27, m)	Northing (WTM, NAD27, m)
May-07	OU2A	C	632,741	404,032
May-07	OU2A	D	632,732	404,039
May-07	OU2A	E	632,753	403,972
May-07	OU2A	F	632,754	403,964
Jun-07	OU2A	A	632,724	404,105
Jun-07	OU2A	B	632,724	404,100
Jun-07	OU2A	C	632,738	404,218
Jun-07	OU2A	D	632,737	404,039
Jun-07	OU2A	E	632,749	403,968
Jun-07	OU2A	F	632,737	403,978
Jul-07	OU2A	A	632,711	404,101
Jul-07	OU2A	B	632,718	404,104
Jul-07	OU2A	C	632,736	404,039
Jul-07	OU2A	D	632,731	404,039
Jul-07	OU2A	E	632,745	403,973
Jul-07	OU2A	F	632,754	403,968
Aug-06	OU2B	A	642,371	408,022
Aug-06	OU2B	B	642,369	408,023
Aug-06	OU2B	C	642,412	407,981
Aug-06	OU2B	D	642,412	407,980
Aug-06	OU2B	E	642,453	407,936
Aug-06	OU2B	F	642,449	407,934
Sep-06	OU2B	A	642,377	408,031
Sep-06	OU2B	B	642,387	408,036
Sep-06	OU2B	C	642,420	407,986
Sep-06	OU2B	D	642,414	407,987
Sep-06	OU2B	E	642,460	407,936
Sep-06	OU2B	F	642,453	407,939
Oct-06	OU2B	A	642,375	408,026
Oct-06	OU2B	B	642,377	408,028
Oct-06	OU2B	C	642,415	407,982
Oct-06	OU2B	D	642,414	407,981
Oct-06	OU2B	E	642,452	407,938
Oct-06	OU2B	F	642,450	407,939
Nov-06	OU2B	A	642,376	410,770
Nov-06	OU2B	B	642,375	408,026
Nov-06	OU2B	C	642,413	407,982
Nov-06	OU2B	D	642,415	407,982
Nov-06	OU2B	E	642,455	407,936
Nov-06	OU2B	F	642,456	407,935
Dec-06	OU2B	A	NS	NS
Dec-06	OU2B	B	NS	NS
Dec-06	OU2B	C	NS	NS
Dec-06	OU2B	D	NS	NS
Dec-06	OU2B	E	NS	NS
Dec-06	OU2B	F	NS	NS
Jan-07	OU2B	A	NS	NS
Jan-07	OU2B	B	NS	NS
Jan-07	OU2B	C	NS	NS
Jan-07	OU2B	D	NS	NS

Table A-3
Water Sampling Coordinates - August 2006 to July 2007

Date	OU	Station	Easting (WTM, NAD27, m)	Northing (WTM, NAD27, m)
Jan-07	OU2B	E	NS	NS
Jan-07	OU2B	F	NS	NS
Feb-07	OU2B	A	642,374	408,028
Feb-07	OU2B	B	642,374	408,028
Feb-07	OU2B	C	642,412	407,982
Feb-07	OU2B	D	642,412	407,982
Feb-07	OU2B	E	642,451	407,936
Feb-07	OU2B	F	642,451	407,936
Mar-07	OU2B	A	642,377	408,032
Mar-07	OU2B	B	642,388	408,033
Mar-07	OU2B	C	642,421	407,986
Mar-07	OU2B	D	642,419	407,985
Mar-07	OU2B	E	642,457	407,937
Mar-07	OU2B	F	642,457	407,940
Apr-07	OU2B	A	642,371	408,022
Apr-07	OU2B	B	642,369	408,023
Apr-07	OU2B	C	642,412	407,981
Apr-07	OU2B	D	642,412	407,980
Apr-07	OU2B	E	642,453	407,936
Apr-07	OU2B	F	642,449	407,934
May-07	OU2B	A	642,374	408,025
May-07	OU2B	B	642,371	408,031
May-07	OU2B	C	642,424	407,980
May-07	OU2B	D	642,408	407,980
May-07	OU2B	E	642,457	407,944
May-07	OU2B	F	642,453	407,934
Jun-07	OU2B	A	642,357	408,036
Jun-07	OU2B	B	642,362	408,034
Jun-07	OU2B	C	642,421	407,994
Jun-07	OU2B	D	642,413	407,992
Jun-07	OU2B	E	642,451	407,924
Jun-07	OU2B	F	642,446	407,930
Jul-07	OU2B	A	642,380	408,031
Jul-07	OU2B	B	642,377	408,025
Jul-07	OU2B	C	642,416	407,980
Jul-07	OU2B	D	642,418	407,981
Jul-07	OU2B	E	642,445	407,935
Jul-07	OU2B	F	642,455	407,938
Aug-06	OU2C	A	649,030	415,118
Aug-06	OU2C	B	649,029	415,117
Aug-06	OU2C	C	649,072	415,076
Aug-06	OU2C	D	649,067	415,075
Aug-06	OU2C	E	649,103	415,044
Aug-06	OU2C	F	649,102	415,043
Sep-06	OU2C	A	649,034	415,115
Sep-06	OU2C	B	649,034	415,117
Sep-06	OU2C	C	649,070	415,084
Sep-06	OU2C	D	649,073	415,081
Sep-06	OU2C	E	649,105	415,049
Sep-06	OU2C	F	649,103	415,051

Table A-3
Water Sampling Coordinates - August 2006 to July 2007

Date	OU	Station	Easting (WTM, NAD27, m)	Northing (WTM, NAD27, m)
Oct-06	OU2C	A	649,030	415,113
Oct-06	OU2C	B	649,030	415,115
Oct-06	OU2C	C	649,069	415,077
Oct-06	OU2C	D	649,070	415,076
Oct-06	OU2C	E	649,100	415,045
Oct-06	OU2C	F	649,100	415,047
Nov-06	OU2C	A	649,031	415,112
Nov-06	OU2C	B	649,032	415,114
Nov-06	OU2C	C	649,072	415,074
Nov-06	OU2C	D	649,068	415,076
Nov-06	OU2C	E	649,103	415,044
Nov-06	OU2C	F	649,102	415,043
Dec-06	OU2C	A	649,037	415,124
Dec-06	OU2C	B	649,032	415,111
Dec-06	OU2C	C	649,070	415,077
Dec-06	OU2C	D	649,067	415,079
Dec-06	OU2C	E	649,104	415,043
Dec-06	OU2C	F	649,099	415,038
Jan-07	OU2C	A	649,030	415,113
Jan-07	OU2C	B	649,029	415,113
Jan-07	OU2C	C	649,074	415,076
Jan-07	OU2C	D	649,072	415,077
Jan-07	OU2C	E	649,098	415,045
Jan-07	OU2C	F	649,099	415,046
Feb-07	OU2C	A	649,028	415,115
Feb-07	OU2C	B	649,028	415,115
Feb-07	OU2C	C	649,071	415,076
Feb-07	OU2C	D	649,071	415,076
Feb-07	OU2C	E	649,105	415,045
Feb-07	OU2C	F	649,105	415,045
Mar-07	OU2C	A	649,039	415,111
Mar-07	OU2C	B	649,038	415,116
Mar-07	OU2C	C	649,077	415,078
Mar-07	OU2C	D	649,082	415,073
Mar-07	OU2C	E	649,115	415,044
Mar-07	OU2C	F	649,107	415,037
Apr-07	OU2C	A	649,028	415,113
Apr-07	OU2C	B	649,031	415,113
Apr-07	OU2C	C	649,072	415,075
Apr-07	OU2C	D	649,071	415,075
Apr-07	OU2C	E	649,100	415,043
Apr-07	OU2C	F	649,100	415,045
May-07	OU2C	A	649,030	415,113
May-07	OU2C	B	649,031	415,113
May-07	OU2C	C	649,073	415,083
May-07	OU2C	D	649,065	415,072
May-07	OU2C	E	649,098	415,043
May-07	OU2C	F	649,109	415,043
Jun-07	OU2C	A	649,034	415,117
Jun-07	OU2C	B	649,030	415,117

Table A-3
Water Sampling Coordinates - August 2006 to July 2007

Date	OU	Station	Easting (WTM, NAD27, m)	Northing (WTM, NAD27, m)
Jun-07	OU2C	C	649,075	415,074
Jun-07	OU2C	D	649,071	415,079
Jun-07	OU2C	E	649,107	415,045
Jun-07	OU2C	F	649,108	415,044
Jul-07	OU2C	A	649,035	415,112
Jul-07	OU2C	B	649,033	415,116
Jul-07	OU2C	C	649,067	415,071
Jul-07	OU2C	D	649,066	415,077
Jul-07	OU2C	E	649,099	415,042
Jul-07	OU2C	F	649,098	415,043
Aug-06	OU3	A	649,030	415,118
Aug-06	OU3	B	649,029	415,117
Aug-06	OU3	C	649,072	415,076
Aug-06	OU3	D	649,067	415,075
Aug-06	OU3	E	649,103	415,044
Aug-06	OU3	F	649,102	415,043
Sep-06	OU3	A	653,990	422,669
Sep-06	OU3	B	653,989	422,670
Sep-06	OU3	C	654,036	422,634
Sep-06	OU3	D	654,036	422,636
Sep-06	OU3	E	654,088	422,587
Sep-06	OU3	F	654,089	422,584
Oct-06	OU3	A	653,989	422,675
Oct-06	OU3	B	653,988	422,675
Oct-06	OU3	C	NS	NS
Oct-06	OU3	D	NS	NS
Oct-06	OU3	E	654,095	422,588
Oct-06	OU3	F	654,091	422,586
Nov-06	OU3	A	653,990	422,665
Nov-06	OU3	B	653,990	422,665
Nov-06	OU3	C	654,036	422,628
Nov-06	OU3	D	654,035	422,628
Nov-06	OU3	E	654,089	422,583
Nov-06	OU3	F	654,090	422,584
Dec-06	OU3	A	653,995	422,668
Dec-06	OU3	B	653,998	422,670
Dec-06	OU3	C	654,034	422,632
Dec-06	OU3	D	654,035	422,633
Dec-06	OU3	E	654,092	422,585
Dec-06	OU3	F	654,093	422,585
Jan-07	OU3	A	653,989	422,668
Jan-07	OU3	B	653,988	422,669
Jan-07	OU3	C	654,032	422,626
Jan-07	OU3	D	654,029	422,628
Jan-07	OU3	E	654,089	422,583
Jan-07	OU3	F	654,095	422,588
Feb-07	OU3	A	653,990	422,666
Feb-07	OU3	B	653,990	422,666
Feb-07	OU3	C	654,036	422,630
Feb-07	OU3	D	654,036	422,630

Table A-3
Water Sampling Coordinates - August 2006 to July 2007

Date	OU	Station	Easting (WTM, NAD27, m)	Northing (WTM, NAD27, m)
Feb-07	OU3	E	654,091	422,585
Feb-07	OU3	F	654,091	422,585
Mar-07	OU3	A	653,989	422,664
Mar-07	OU3	B	653,991	422,665
Mar-07	OU3	C	654,035	422,632
Mar-07	OU3	D	654,037	422,631
Mar-07	OU3	E	654,090	422,583
Mar-07	OU3	F	654,092	422,585
Apr-07	OU3	A	653,993	422,667
Apr-07	OU3	B	653,992	422,668
Apr-07	OU3	C	654,036	422,628
Apr-07	OU3	D	654,037	422,629
Apr-07	OU3	E	654,086	422,583
Apr-07	OU3	F	654,092	422,584
May-07	OU3	A	653,990	422,663
May-07	OU3	B	653,984	422,665
May-07	OU3	C	654,036	422,623
May-07	OU3	D	654,029	422,631
May-07	OU3	E	654,093	422,583
May-07	OU3	F	654,087	422,581
Jun-07	OU3	A	653,990	422,663
Jun-07	OU3	B	653,985	422,660
Jun-07	OU3	C	654,036	422,635
Jun-07	OU3	D	654,038	422,621
Jun-07	OU3	E	654,094	422,579
Jun-07	OU3	F	654,096	422,584
Jul-07	OU3	A	653,990	422,665
Jul-07	OU3	B	653,988	422,662
Jul-07	OU3	C	654,032	422,627
Jul-07	OU3	D	654,037	422,627
Jul-07	OU3	E	654,087	422,581
Jul-07	OU3	F	654,088	422,588
Aug-06	OU4	A	658,158	432,423
Aug-06	OU4	B	658,157	432,422
Aug-06	OU4	C	658,216	432,413
Aug-06	OU4	D	658,216	432,413
Aug-06	OU4	E	658,271	432,401
Aug-06	OU4	F	658,271	432,401
Sep-06	OU4	A	658,158	432,423
Sep-06	OU4	B	658,158	432,415
Sep-06	OU4	C	658,221	432,413
Sep-06	OU4	D	658,220	432,414
Sep-06	OU4	E	658,270	432,400
Sep-06	OU4	F	658,268	432,398
Oct-06	OU4	A	658,155	432,419
Oct-06	OU4	B	658,159	432,418
Oct-06	OU4	C	658,221	432,410
Oct-06	OU4	D	658,220	432,409
Oct-06	OU4	E	658,271	432,404
Oct-06	OU4	F	658,269	432,403

Table A-3
Water Sampling Coordinates - August 2006 to July 2007

Date	OU	Station	Easting (WTM, NAD27, m)	Northing (WTM, NAD27, m)
Nov-06	OU4	A	658,157	432,420
Nov-06	OU4	B	658,156	432,421
Nov-06	OU4	C	658,218	432,408
Nov-06	OU4	D	658,218	432,410
Nov-06	OU4	E	658,267	432,399
Nov-06	OU4	F	658,268	432,398
Dec-06	OU4	A	658,166	432,418
Dec-06	OU4	B	658,172	432,412
Dec-06	OU4	C	658,225	432,395
Dec-06	OU4	D	658,225	432,406
Dec-06	OU4	E	658,273	432,405
Dec-06	OU4	F	658,273	432,399
Jan-07	OU4	A	658,155	432,419
Jan-07	OU4	B	658,155	432,419
Jan-07	OU4	C	658,218	432,406
Jan-07	OU4	D	658,223	432,406
Jan-07	OU4	E	655,523	432,400
Jan-07	OU4	F	658,267	432,397
Feb-07	OU4	A	658,156	432,421
Feb-07	OU4	B	658,156	432,421
Feb-07	OU4	C	658,218	432,407
Feb-07	OU4	D	658,218	432,407
Feb-07	OU4	E	NS	NS
Feb-07	OU4	F	NS	NS
Mar-07	OU4	A	658,155	432,419
Mar-07	OU4	B	658,160	432,415
Mar-07	OU4	C	658,220	432,410
Mar-07	OU4	D	658,219	432,405
Mar-07	OU4	E	658,268	432,400
Mar-07	OU4	F	658,264	432,401
Apr-07	OU4	A	658,158	432,423
Apr-07	OU4	B	658,158	432,425
Apr-07	OU4	C	658,219	432,409
Apr-07	OU4	D	658,223	432,414
Apr-07	OU4	E	658,268	432,402
Apr-07	OU4	F	658,265	432,405
May-07	OU4	A	658,155	432,417
May-07	OU4	B	658,157	432,426
May-07	OU4	C	658,219	432,411
May-07	OU4	D	658,213	432,416
May-07	OU4	E	658,268	432,395
May-07	OU4	F	658,265	432,394
Jun-07	OU4	A	658,156	432,424
Jun-07	OU4	B	658,160	432,426
Jun-07	OU4	C	658,222	432,405
Jun-07	OU4	D	658,221	432,404
Jun-07	OU4	E	658,266	432,405
Jun-07	OU4	F	658,271	432,402
Jul-07	OU4	A	658,159	432,422
Jul-07	OU4	B	658,158	432,419

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Water Sampling Coordinates - August 2006 to July 2007

Date	OU	Station	Easting (WTM, NAD27, m)	Northing (WTM, NAD27, m)
Jul-07	OU4	C	658,222	432,407
Jul-07	OU4	D	658,219	432,411
Jul-07	OU4	E	658,268	432,401
Jul-07	OU4	F	658,270	432,396
Aug-06	OU5A	A	661,670	447,912
Aug-06	OU5A	B	661,670	447,917
Aug-06	OU5A	C	665,242	445,524
Aug-06	OU5A	D	665,250	445,523
Aug-06	OU5A	E	668,192	443,543
Aug-06	OU5A	F	668,195	443,544
Sep-06	OU5A	A	661,688	447,922
Sep-06	OU5A	B	661,688	447,911
Sep-06	OU5A	C	665,242	445,526
Sep-06	OU5A	D	665,236	445,513
Sep-06	OU5A	E	668,195	443,546
Sep-06	OU5A	F	668,208	443,545
Oct-06	OU5A	A	661,671	447,910
Oct-06	OU5A	B	661,673	447,915
Oct-06	OU5A	C	665,243	445,522
Oct-06	OU5A	D	665,246	445,531
Oct-06	OU5A	E	668,190	443,546
Oct-06	OU5A	F	668,202	443,555
Nov-06	OU5A	A	661,679	447,915
Nov-06	OU5A	B	661,679	447,913
Nov-06	OU5A	C	665,243	445,535
Nov-06	OU5A	D	665,240	445,538
Nov-06	OU5A	E	668,195	443,543
Nov-06	OU5A	F	668,197	443,546
Dec-06	OU5A	A	661,695	447,885
Dec-06	OU5A	B	661,705	447,883
Dec-06	OU5A	C	665,243	445,543
Dec-06	OU5A	D	665,247	445,528
Dec-06	OU5A	E	NS	NS
Dec-06	OU5A	F	NS	NS
Jan-07	OU5A	A	661,673	447,914
Jan-07	OU5A	B	661,673	447,914
Jan-07	OU5A	C	NS	NS
Jan-07	OU5A	D	NS	NS
Jan-07	OU5A	E	668,193	443,551
Jan-07	OU5A	F	668,193	443,551
Feb-07	OU5A	A	661,673	447,915
Feb-07	OU5A	B	661,673	447,915
Feb-07	OU5A	C	665,240	445,524
Feb-07	OU5A	D	665,240	445,524
Feb-07	OU5A	E	668,193	443,544
Feb-07	OU5A	F	668,193	443,544
Mar-07	OU5A	A	661,673	447,914
Mar-07	OU5A	B	661,673	447,914
Mar-07	OU5A	C	665,240	445,526
Mar-07	OU5A	D	665,240	445,526

Table A-3
Water Sampling Coordinates - August 2006 to July 2007

Date	OU	Station	Easting (WTM, NAD27, m)	Northing (WTM, NAD27, m)
Mar-07	OU5A	E	668,192	443,546
Mar-07	OU5A	F	668,192	443,546
Apr-07	OU5A	A	661,687	447,893
Apr-07	OU5A	B	661,668	447,878
Apr-07	OU5A	C	665,234	445,542
Apr-07	OU5A	D	665,237	445,530
Apr-07	OU5A	E	668,213	443,556
Apr-07	OU5A	F	668,210	443,557
May-07	OU5A	A	661,675	447,921
May-07	OU5A	B	661,672	447,915
May-07	OU5A	C	665,249	445,532
May-07	OU5A	D	665,247	445,530
May-07	OU5A	E	668,209	443,544
May-07	OU5A	F	668,209	443,547
Jun-07	OU5A	A	661,691	447,916
Jun-07	OU5A	B	661,696	447,910
Jun-07	OU5A	C	665,249	445,533
Jun-07	OU5A	D	665,262	445,560
Jun-07	OU5A	E	668,209	443,543
Jun-07	OU5A	F	668,227	443,555
Jul-07	OU5A	A	661,673	447,935
Jul-07	OU5A	B	661,677	447,938
Jul-07	OU5A	C	665,236	445,499
Jul-07	OU5A	D	665,210	445,524
Jul-07	OU5A	E	668,180	443,551
Jul-07	OU5A	F	668,190	443,546
Aug-06	OU5B	A	677,050	470,212
Aug-06	OU5B	B	677,054	470,193
Aug-06	OU5B	C	680,385	468,323
Aug-06	OU5B	D	680,395	468,356
Aug-06	OU5B	E	684,584	466,019
Aug-06	OU5B	F	684,556	466,015
Sep-06	OU5B	A	677,048	470,201
Sep-06	OU5B	B	677,055	470,204
Sep-06	OU5B	C	680,381	468,328
Sep-06	OU5B	D	680,371	468,340
Sep-06	OU5B	E	684,553	466,019
Sep-06	OU5B	F	684,556	466,015
Oct-06	OU5B	A	677,045	470,194
Oct-06	OU5B	B	677,040	470,187
Oct-06	OU5B	C	680,383	468,335
Oct-06	OU5B	D	680,386	468,326
Oct-06	OU5B	E	684,551	466,019
Oct-06	OU5B	F	684,556	466,015
Nov-06	OU5B	A	677,048	470,192
Nov-06	OU5B	B	677,046	470,195
Nov-06	OU5B	C	680,389	468,336
Nov-06	OU5B	D	680,387	468,332
Nov-06	OU5B	E	684,551	466,024
Nov-06	OU5B	F	684,551	466,025

Table A-3
Water Sampling Coordinates - August 2006 to July 2007

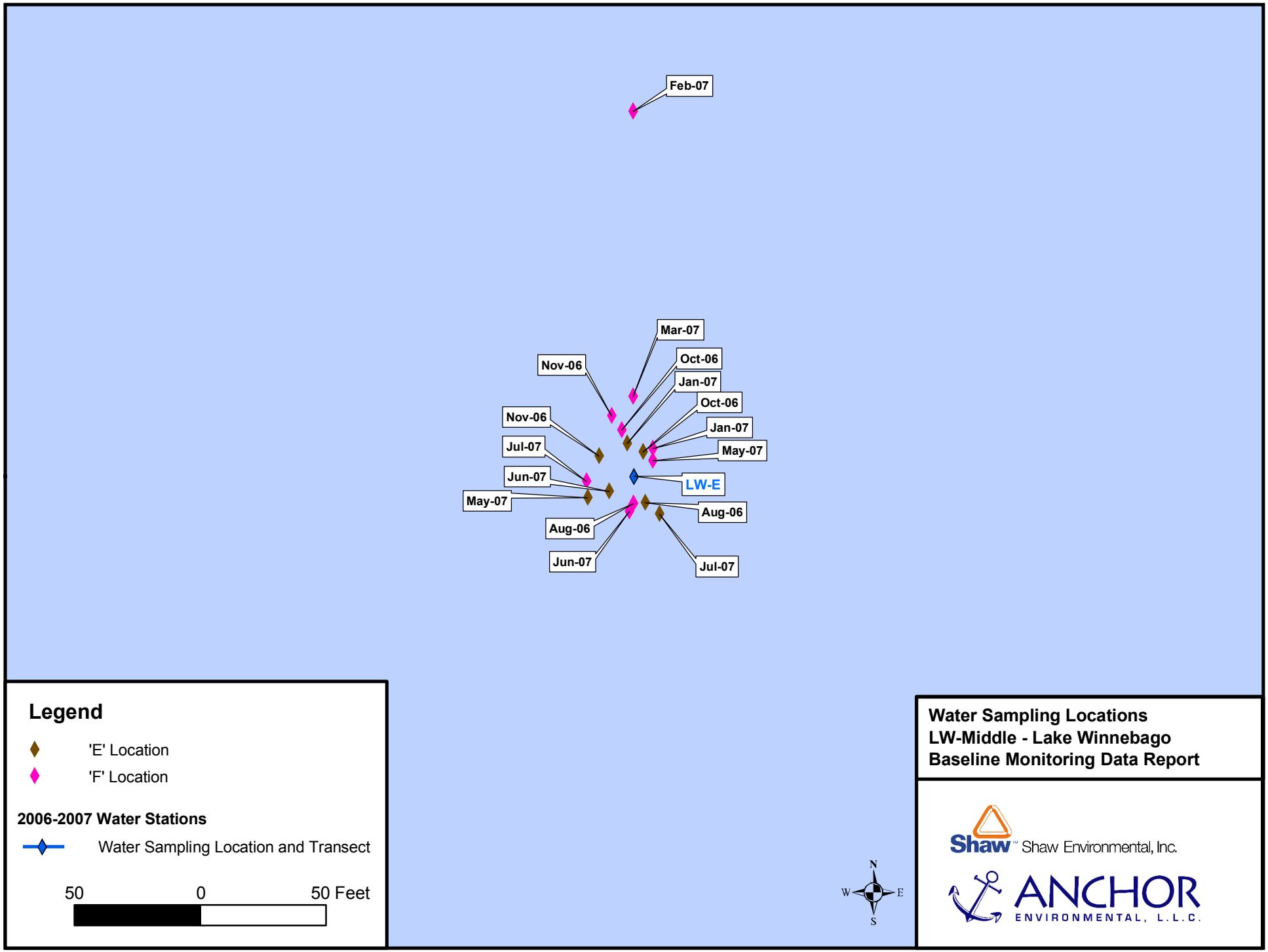
Date	OU	Station	Easting (WTM, NAD27, m)	Northing (WTM, NAD27, m)
Dec-06	OU5B	A	NS	NS
Dec-06	OU5B	B	NS	NS
Dec-06	OU5B	C	NS	NS
Dec-06	OU5B	D	NS	NS
Dec-06	OU5B	E	NS	NS
Dec-06	OU5B	F	NS	NS
Jan-07	OU5B	A	NS	NS
Jan-07	OU5B	B	NS	NS
Jan-07	OU5B	C	NS	NS
Jan-07	OU5B	D	NS	NS
Jan-07	OU5B	E	NS	NS
Jan-07	OU5B	F	NS	NS
Feb-07	OU5B	A	NS	NS
Feb-07	OU5B	B	NS	NS
Feb-07	OU5B	C	680,384	468,332
Feb-07	OU5B	D	680,384	468,332
Feb-07	OU5B	E	684,551	466,019
Feb-07	OU5B	F	684,551	466,019
Mar-07	OU5B	A	677,042	470,190
Mar-07	OU5B	B	677,042	470,190
Mar-07	OU5B	C	680,384	468,332
Mar-07	OU5B	D	680,384	468,332
Mar-07	OU5B	E	NS	NS
Mar-07	OU5B	F	NS	NS
Apr-07	OU5B	A	677,062	470,211
Apr-07	OU5B	B	677,052	470,200
Apr-07	OU5B	C	680,394	468,329
Apr-07	OU5B	D	680,390	468,347
Apr-07	OU5B	E	684,558	466,044
Apr-07	OU5B	F	684,575	466,040
May-07	OU5B	A	677,039	470,189
May-07	OU5B	B	677,053	470,186
May-07	OU5B	C	680,397	468,253
May-07	OU5B	D	680,388	468,322
May-07	OU5B	E	684,569	466,011
May-07	OU5B	F	684,578	466,019
Jun-07	OU5B	A	677,043	470,267
Jun-07	OU5B	B	677,063	470,271
Jun-07	OU5B	C	680,376	468,335
Jun-07	OU5B	D	680,448	468,394
Jun-07	OU5B	E	684,555	466,031
Jun-07	OU5B	F	684,600	466,048
Jul-07	OU5B	A	677,035	470,287
Jul-07	OU5B	B	677,054	470,271
Jul-07	OU5B	C	680,390	468,341
Jul-07	OU5B	D	680,384	468,345
Jul-07	OU5B	E	654,066	466,024
Jul-07	OU5B	F	684,545	466,034
Aug-06	OU5C	A	694,101	493,037
Aug-06	OU5C	B	694,104	493,030

Table A-3
Water Sampling Coordinates - August 2006 to July 2007

Date	OU	Station	Easting (WTM, NAD27, m)	Northing (WTM, NAD27, m)
Aug-06	OU5C	C	700,719	488,875
Aug-06	OU5C	D	700,720	488,891
Aug-06	OU5C	E	705,333	485,987
Aug-06	OU5C	F	705,334	485,989
Sep-06	OU5C	A	694,095	493,053
Sep-06	OU5C	B	694,104	493,044
Sep-06	OU5C	C	700,726	488,894
Sep-06	OU5C	D	700,716	488,884
Sep-06	OU5C	E	705,327	485,983
Sep-06	OU5C	F	705,330	485,996
Oct-06	OU5C	A	694,098	493,041
Oct-06	OU5C	B	694,097	493,044
Oct-06	OU5C	C	700,734	488,876
Oct-06	OU5C	D	700,732	488,879
Oct-06	OU5C	E	705,325	485,990
Oct-06	OU5C	F	705,341	485,992
Nov-06	OU5C	A	694,097	493,039
Nov-06	OU5C	B	694,098	493,040
Nov-06	OU5C	C	700,720	488,885
Nov-06	OU5C	D	700,720	488,886
Nov-06	OU5C	E	705,335	485,987
Nov-06	OU5C	F	705,333	485,984
Dec-06	OU5C	A	NS	NS
Dec-06	OU5C	B	NS	NS
Dec-06	OU5C	C	NS	NS
Dec-06	OU5C	D	NS	NS
Dec-06	OU5C	E	NS	NS
Dec-06	OU5C	F	NS	NS
Jan-07	OU5C	A	NS	NS
Jan-07	OU5C	B	NS	NS
Jan-07	OU5C	C	NS	NS
Jan-07	OU5C	D	NS	NS
Jan-07	OU5C	E	NS	NS
Jan-07	OU5C	F	NS	NS
Feb-07	OU5C	A	NS	NS
Feb-07	OU5C	B	NS	NS
Feb-07	OU5C	C	700,718	488,883
Feb-07	OU5C	D	700,718	488,883
Feb-07	OU5C	E	705,313	486,035
Feb-07	OU5C	F	705,313	486,035
Mar-07	OU5C	A	694,097	493,041
Mar-07	OU5C	B	694,097	493,041
Mar-07	OU5C	C	700,718	488,885
Mar-07	OU5C	D	700,718	488,885
Mar-07	OU5C	E	NS	NS
Mar-07	OU5C	F	NS	NS
Apr-07	OU5C	A	694,054	493,068
Apr-07	OU5C	B	694,068	493,020
Apr-07	OU5C	C	700,701	488,880
Apr-07	OU5C	D	700,703	488,873

Table A-3
Water Sampling Coordinates - August 2006 to July 2007

Date	OU	Station	Easting (WTM, NAD27, m)	Northing (WTM, NAD27, m)
Apr-07	OU5C	E	705,320	485,942
Apr-07	OU5C	F	705,340	485,989
May-07	OU5C	A	694,092	493,047
May-07	OU5C	B	694,102	493,030
May-07	OU5C	C	700,711	488,863
May-07	OU5C	D	700,724	488,867
May-07	OU5C	E	705,335	485,988
May-07	OU5C	F	705,352	485,994
Jun-07	OU5C	A	694,093	493,043
Jun-07	OU5C	B	694,084	493,040
Jun-07	OU5C	C	700,723	488,866
Jun-07	OU5C	D	700,751	488,889
Jun-07	OU5C	E	705,335	485,985
Jun-07	OU5C	F	705,341	485,959
Jul-07	OU5C	A	694,082	493,037
Jul-07	OU5C	B	694,094	493,052
Jul-07	OU5C	C	700,699	488,882
Jul-07	OU5C	D	700,691	488,882
Jul-07	OU5C	E	705,332	485,938
Jul-07	OU5C	F	705,314	485,962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Mar-07
Oct-06
Jan-07
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May-07
LW-E
Aug-06
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Nov-06
Jul-07
Jun-07
May-07
Aug-06
Jun-07
Legend
'E' Location
'F' Location
2006-2007 Water Stations
Water Sampling Location and Transect
50
0
50 Feet
N
W
E
S
Water Sampling Locations
LW-Middle - Lake Winnebago
Baseline Monitoring Data Report
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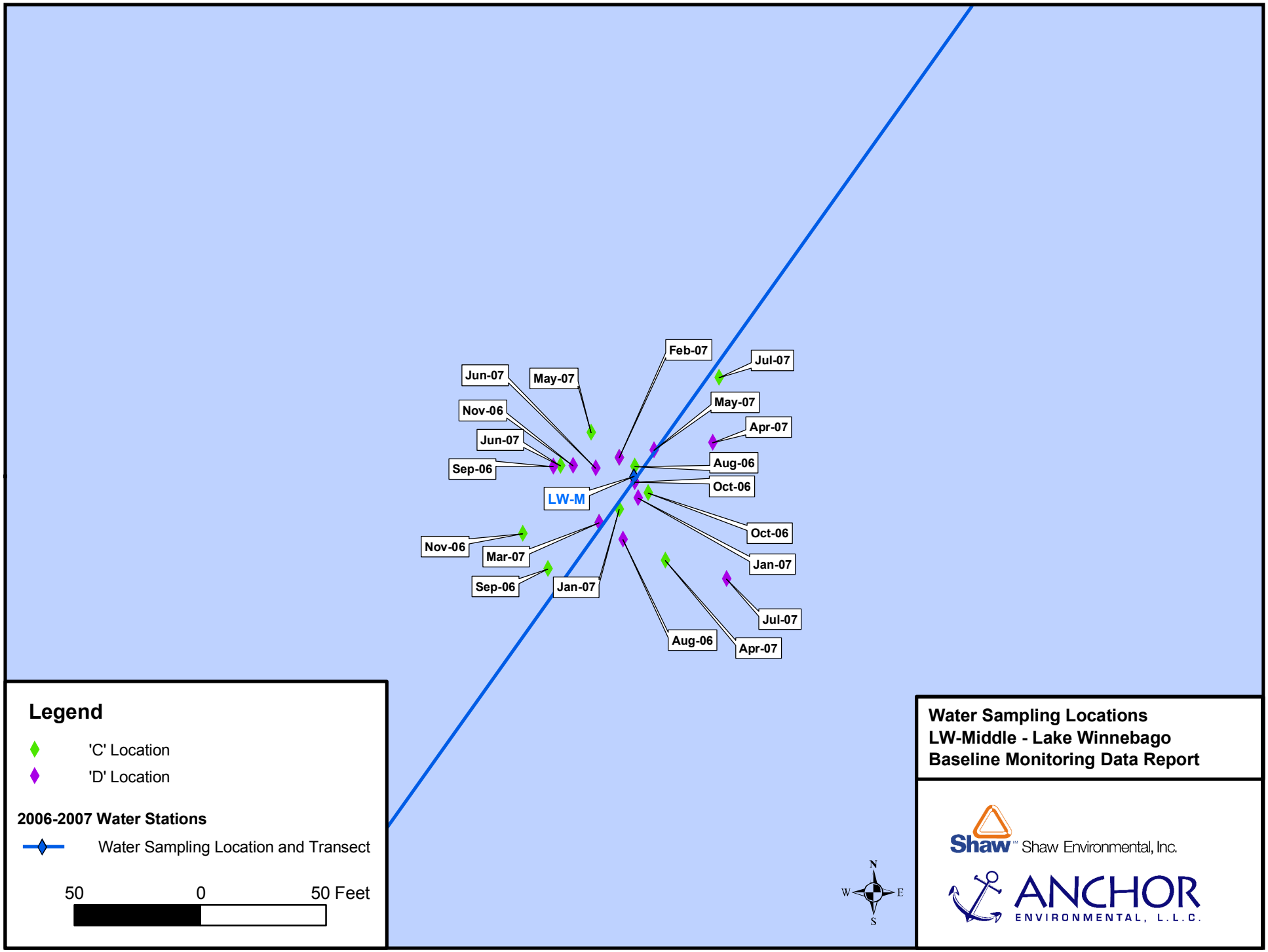
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Oct-06
LW-M
Oct-06
Nov-06
Mar-07
Jan-07
Sep-06
Jan-07
Jul-07
Aug-06
Apr-07
Legend
'C' Location
'D' Location
2006-2007 Water Stations
Water Sampling Location and Transect
50
0
50 Feet
N
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Water Sampling Locations
LW-Middle - Lake Winnebago
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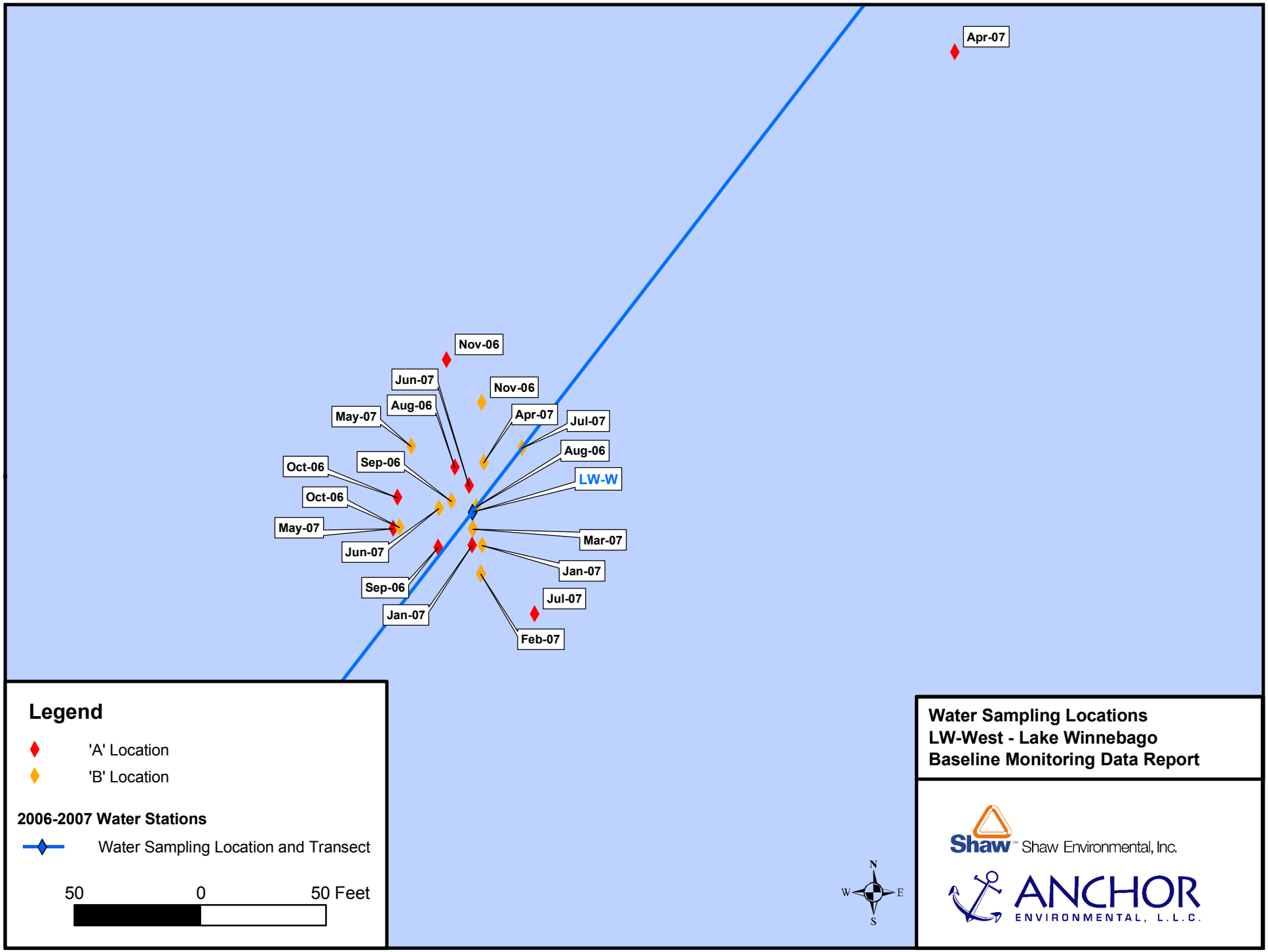
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LW-W
Oct-06
May-07
Mar-07
Jun-07
Jan-07
Sep-06
Jul-07
Jan-07
Feb-07
Legend
'A' Location
'B' Location
2006-2007 Water Stations
Water Sampling Location and Transect
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0
50 Feet
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Water Sampling Locations
LW-West - Lake Winnebago
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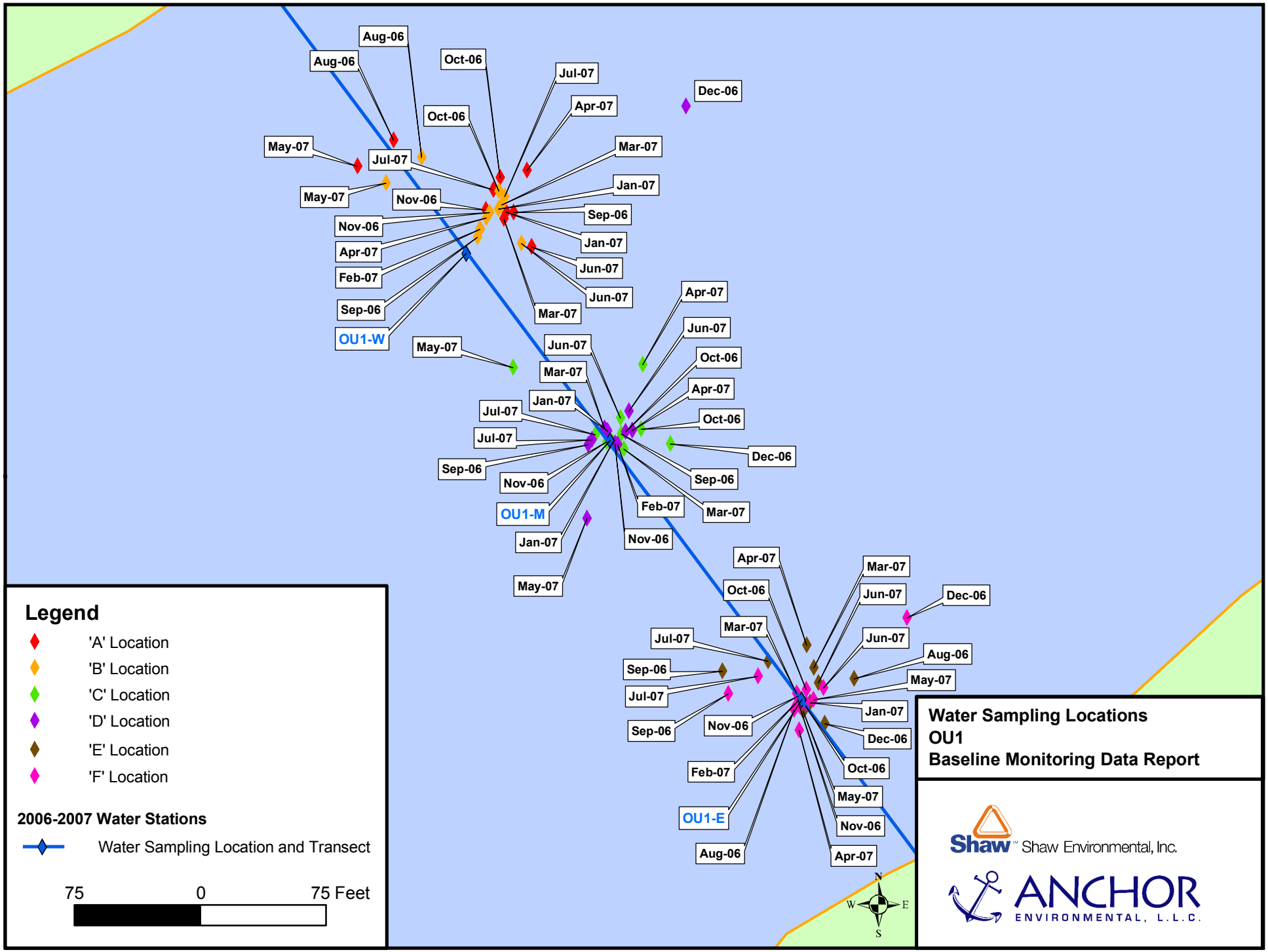
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Mar-07
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Apr-07
May-07
Jun-07
Jun-07
Oct-06
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Jul-07
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Aug-06
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Jan-07
Sep-06
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Dec-06
Oct-06
Feb-07
May-07
OU1-E
Nov-06
Aug-06
Apr-07
N
W
E
S
Legend
'A' Location
'B' Location
'C' Location
'D' Location
'E' Location
'F' Location
2006-2007 Water Stations
Water Sampling Location and Transect
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Water Sampling Locations
OU1
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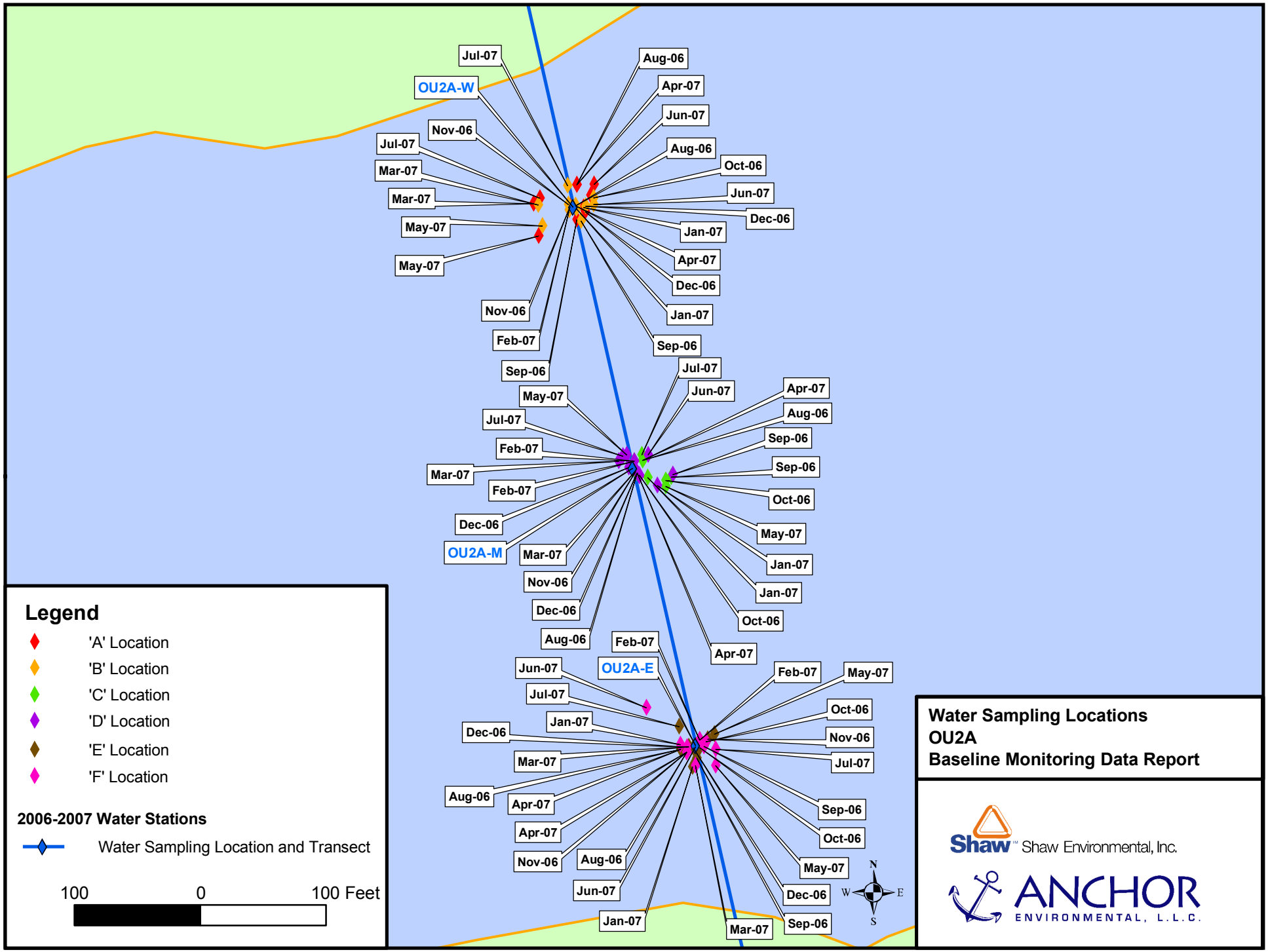
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Jun-07
Dec-06
Jan-07
Apr-07
Dec-06
Jan-07
Sep-06
Nov-06
Feb-07
Sep-06
OU2A-M
Jul-07
Jun-07
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Dec-06
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Nov-06
Dec-06
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Apr-07
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Jan-07
Jan-07
Oct-06
OU2A-E
Feb-07
Jun-07
Jul-07
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Legend
'A' Location
'B' Location
'C' Location
'D' Location
'E' Location
'F' Location
2006-2007 Water Stations
Water Sampling Location and Transect
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OU2A
Baseline Monitoring Data Report
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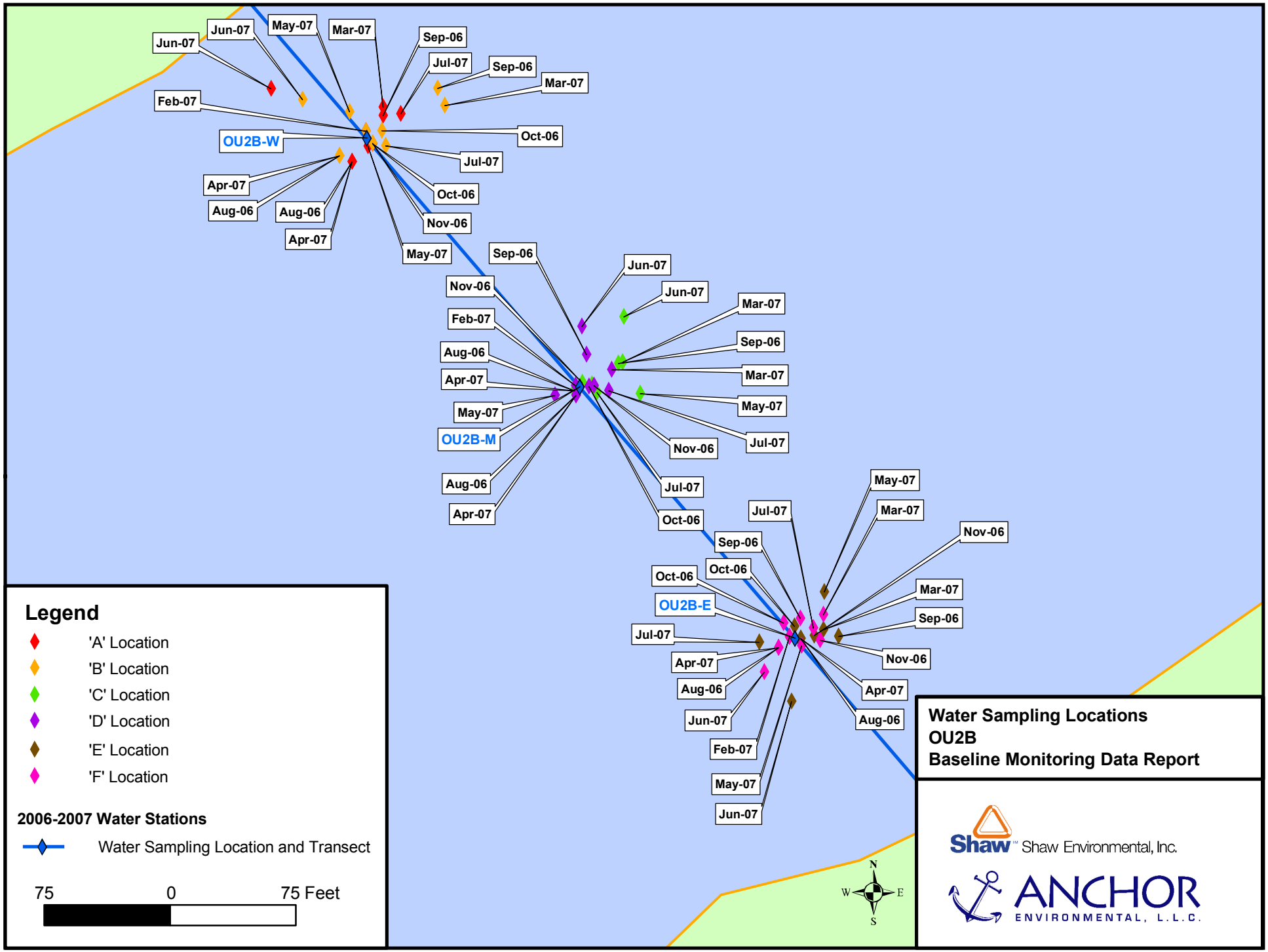
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Legend
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'B' Location
'C' Location
'D' Location
'E' Location
'F' Location
2006-2007 Water Stations
Water Sampling Location and Transect
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Water Sampling Locations
OU2B
Baseline Monitoring Data Report
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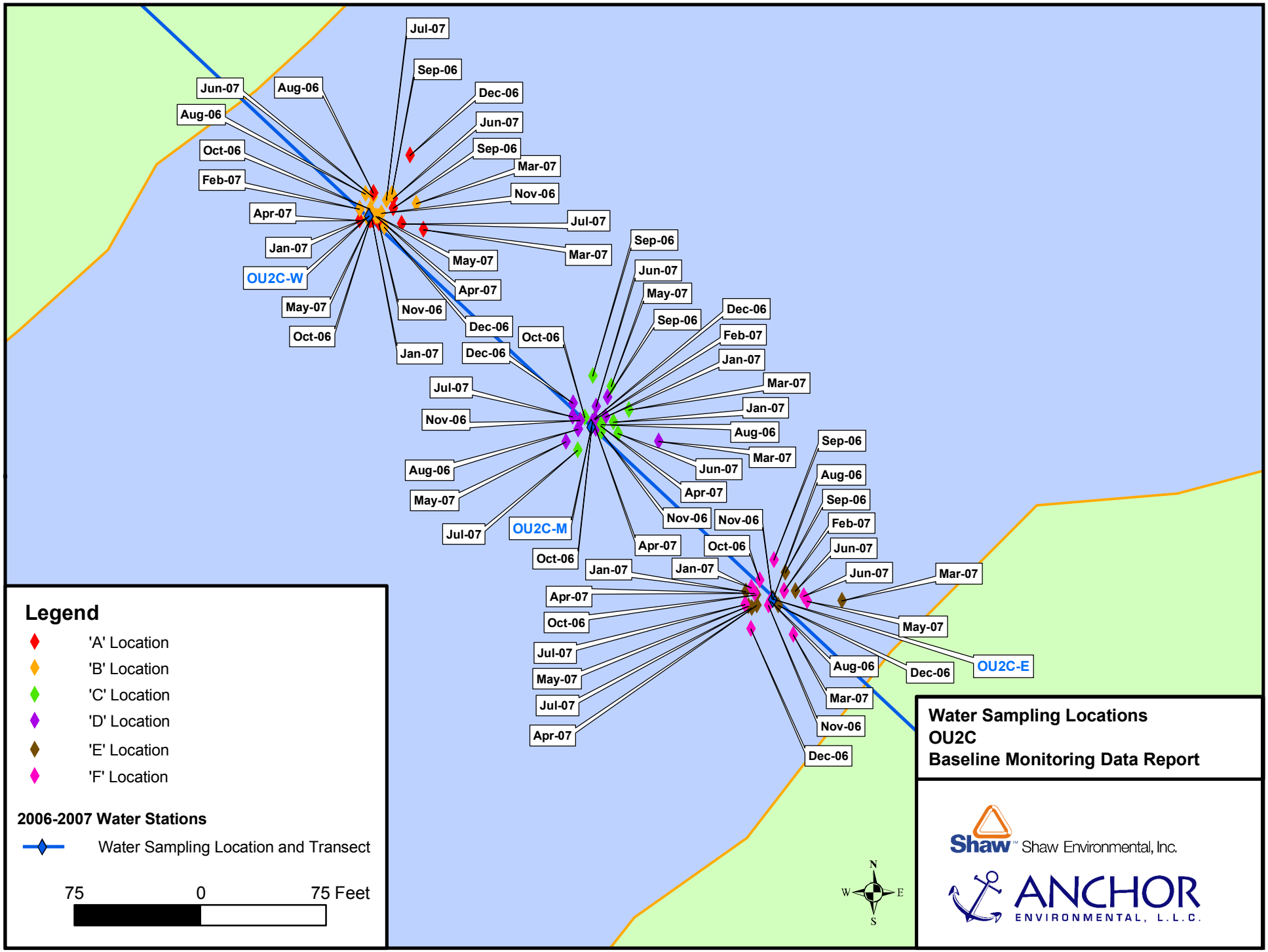
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Legend
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2006-2007 Water Stations
Water Sampling Location and Transect
75
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Water Sampling Locations
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Baseline Monitoring Data Report
Shaw Environmental, Inc.
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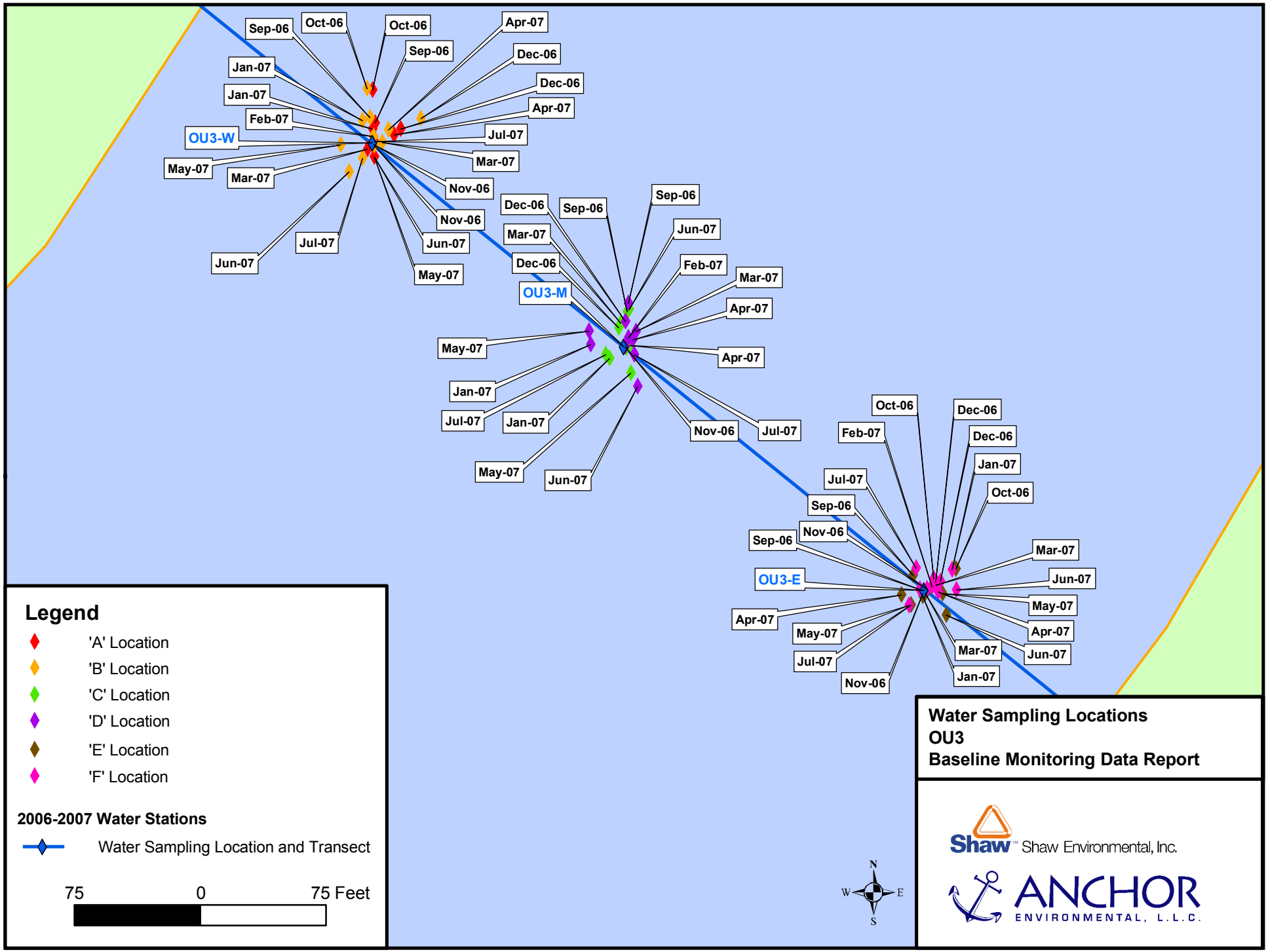
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Legend
'A' Location
'B' Location
'C' Location
'D' Location
'E' Location
'F' Location
2006-2007 Water Stations
Water Sampling Location and Transect
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0
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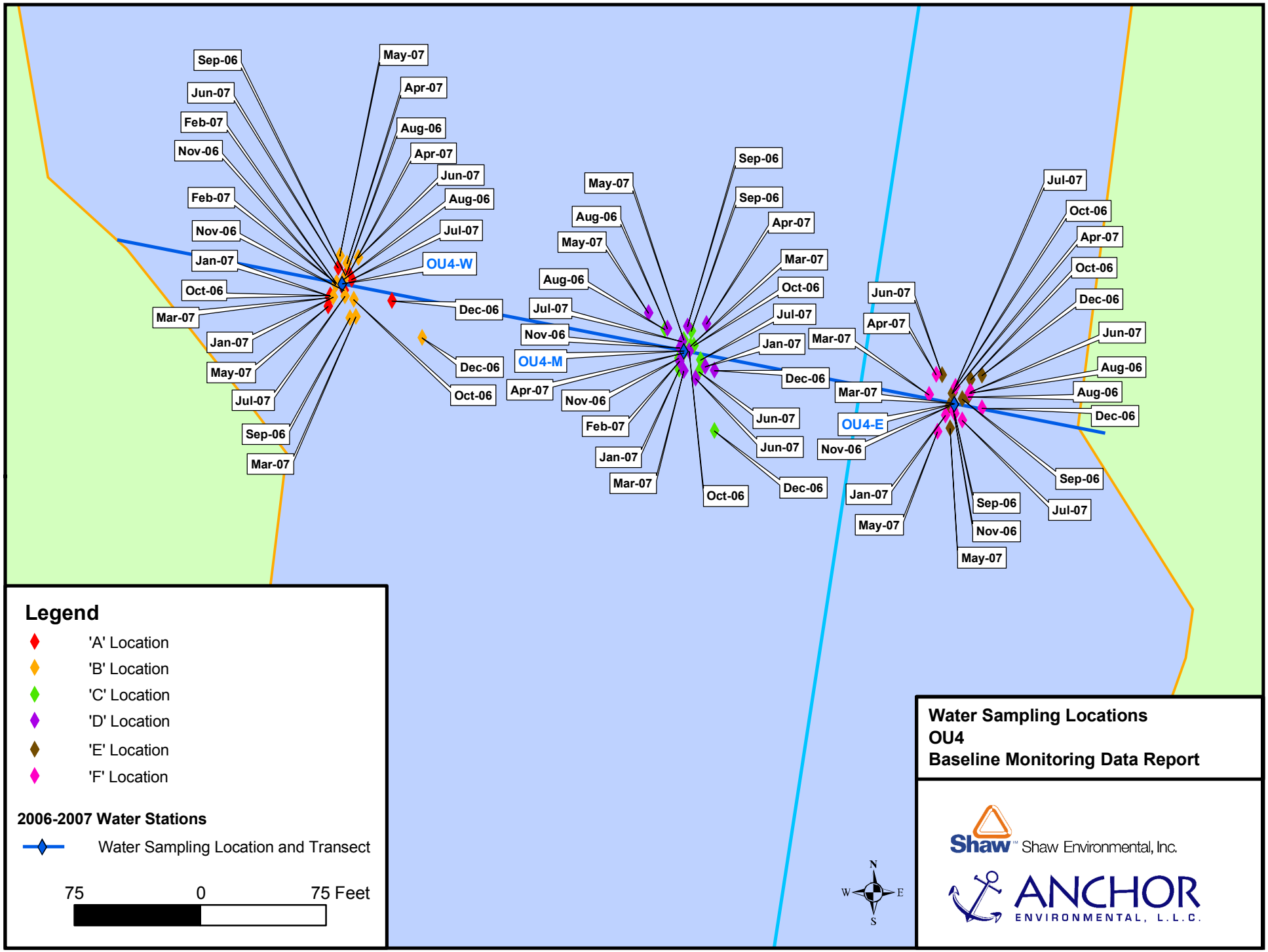
Water Sampling Locations
OU3
Baseline Monitoring Data Report
Shaw Environmental, Inc.
ANCHOR
ENVIRONMENTAL, L.L.C.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May-07
Legend
'A' Location
'B' Location
'C' Location
'D' Location
'E' Location
'F' Location
2006-2007 Water Stations
Water Sampling Location and Transect
75
0
75 Feet
N
W
E
S
Water Sampling Locations
OU4
Baseline Monitoring Data Report
Shaw Environmental, Inc.
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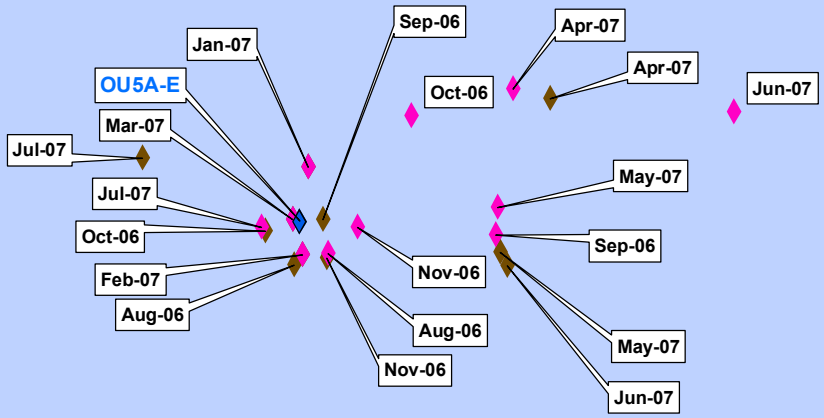

Legend

'E' Location

'F' Location

2006-2007 Water Stations

Water Sampling Location and Transect

50 0 50 Feet

N W E S

Water Sampling Locations
OU5A-East - Green Bay
Baseline Monitoring Data Report

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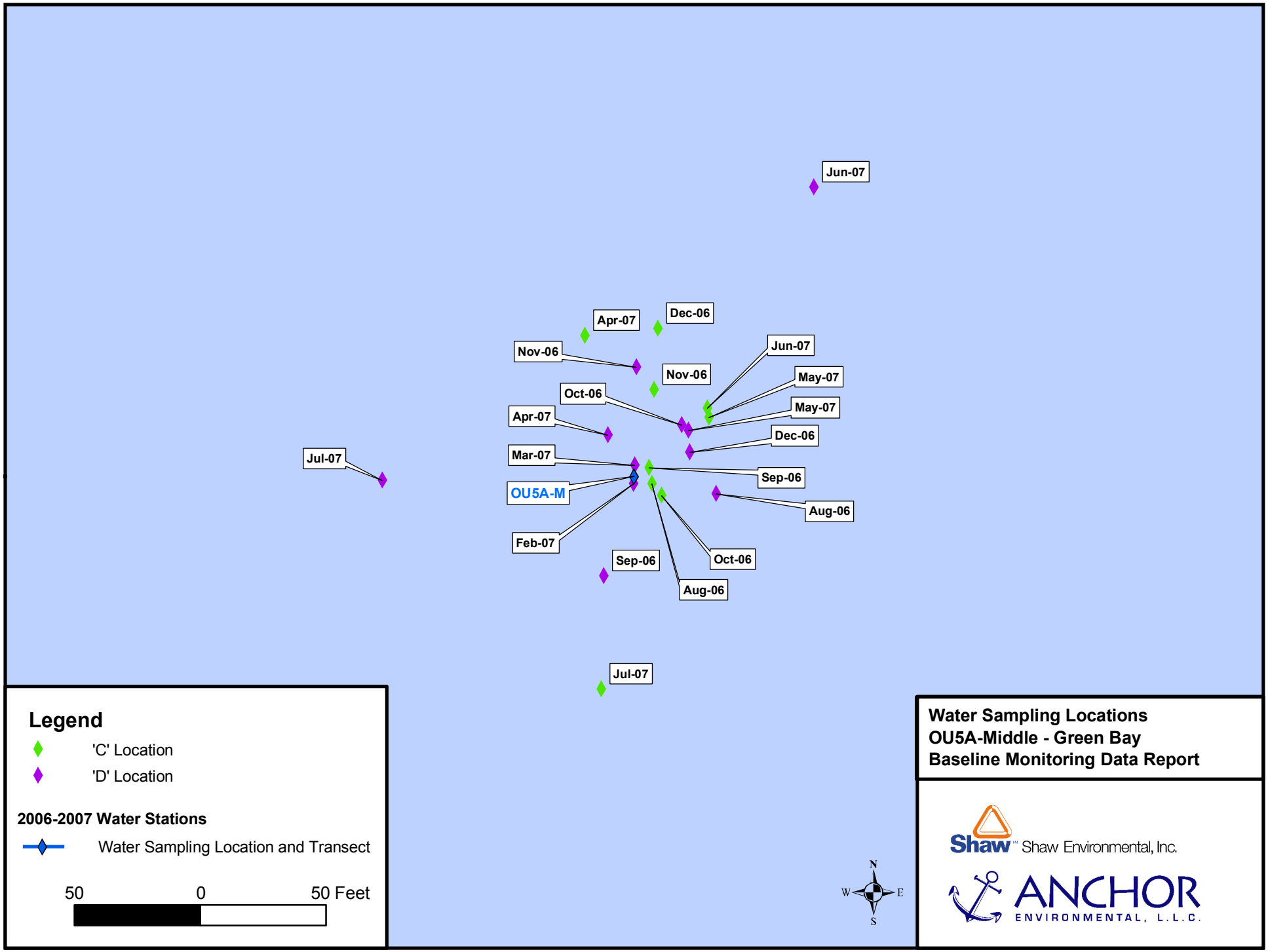
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Sep-06
OU5A-M
Aug-06
Feb-07
Sep-06
Oct-06
Aug-06
Jul-07
Legend
'C' Location
'D' Location
2006-2007 Water Stations
Water Sampling Location and Transect
50
0
50 Feet
N
W
E
S
Water Sampling Locations
OU5A-Middle - Green Bay
Baseline Monitoring Data Report
Shaw Environmental, Inc.
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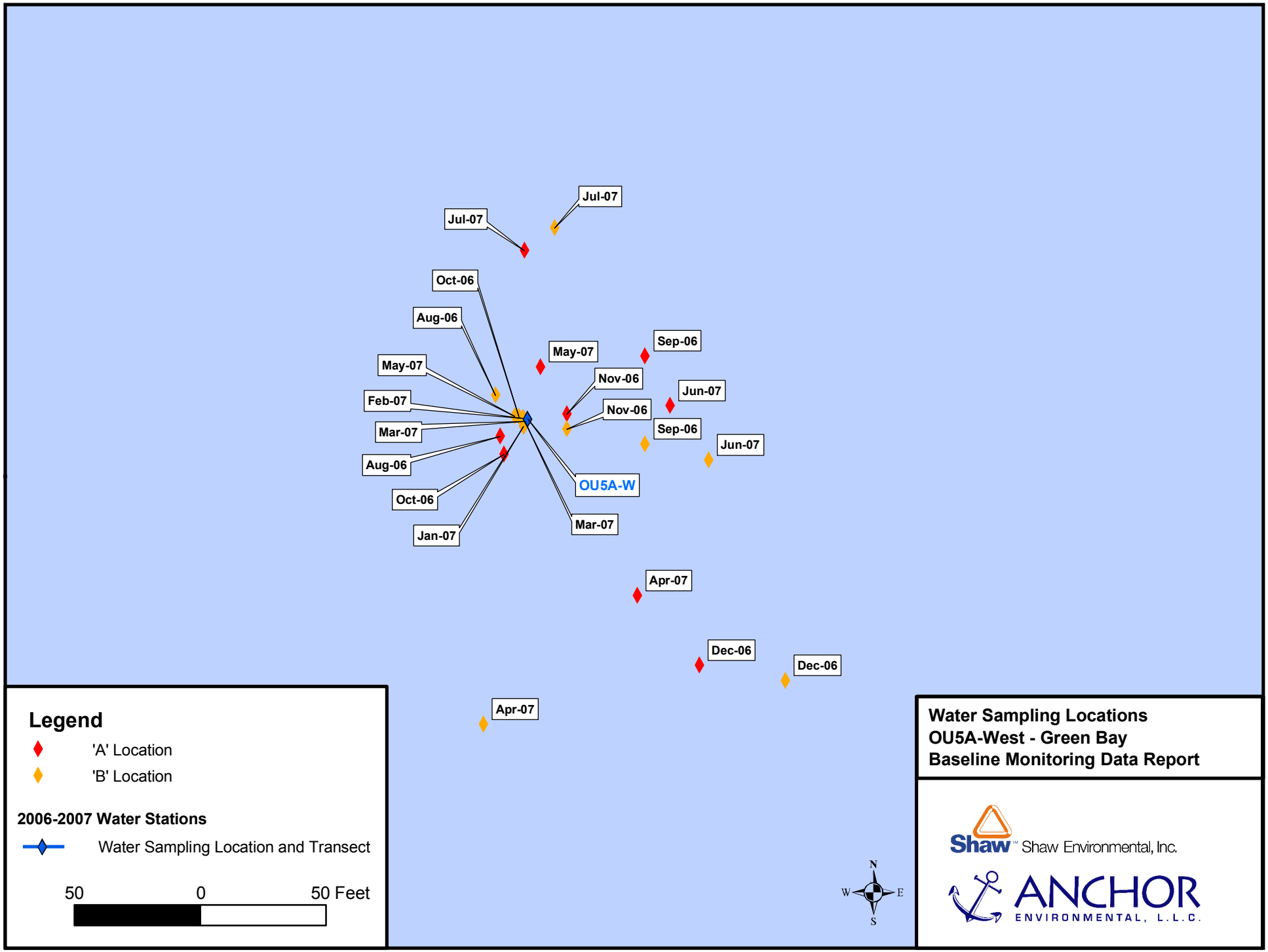
ENVIRONMENTAL, L.L.C.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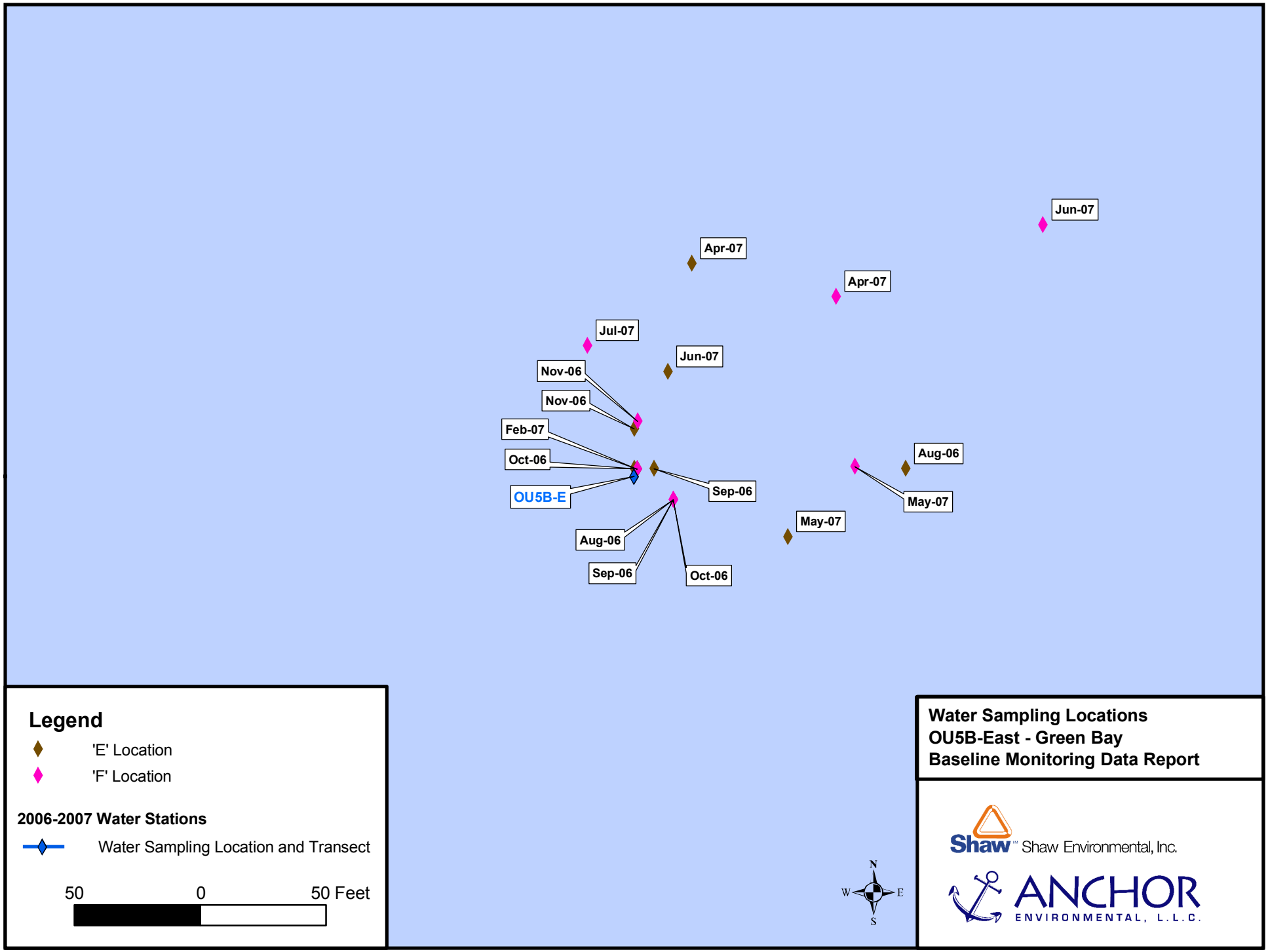
Shaw Environmental, Inc.
ANCHOR
ENVIRONMENTAL, L.L.C.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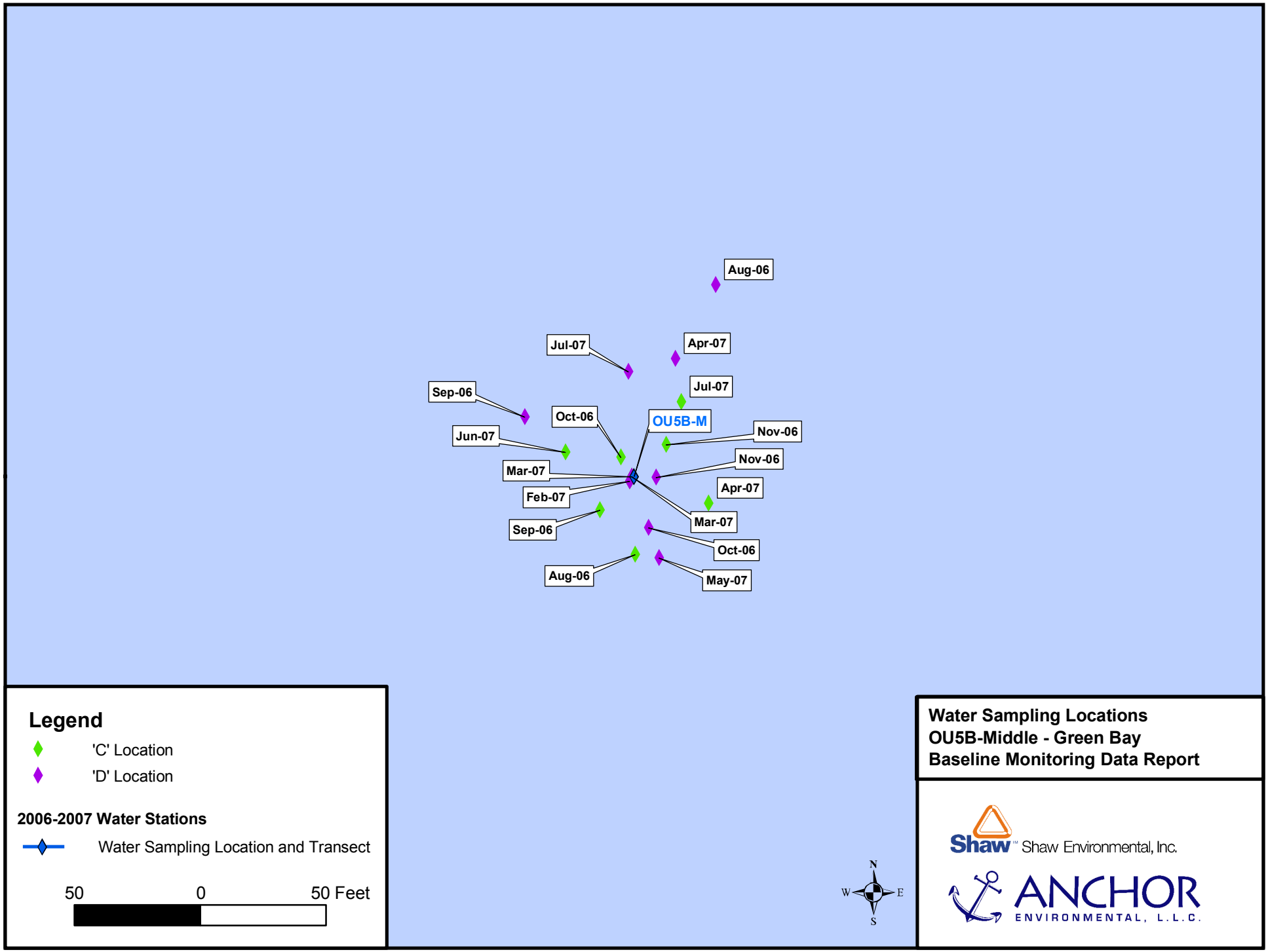
OU5B-East - Green Bay
Baseline Monitoring Data Report
Shaw Environmental, Inc.
ANCHOR
ENVIRONMENTAL, L.L.C.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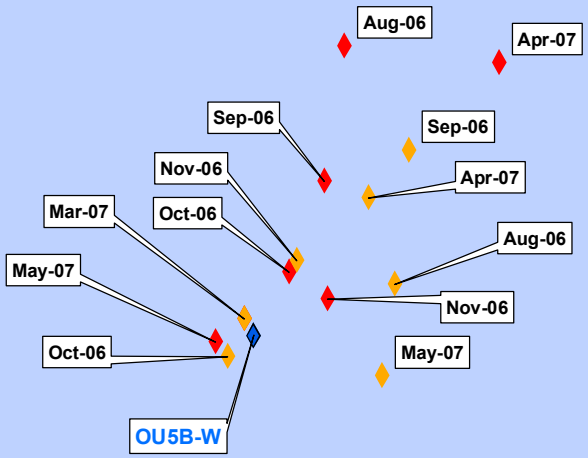
Water Sampling Locations
OU5B-Middle - Green Bay
Baseline Monitoring Data Report
Shaw Environmental, Inc.
ANCHOR
ENVIRONMENTAL, L.L.C.



Legend

'A' Location

'B' Location

2006-2007 Water Stations

Water Sampling Location and Transect

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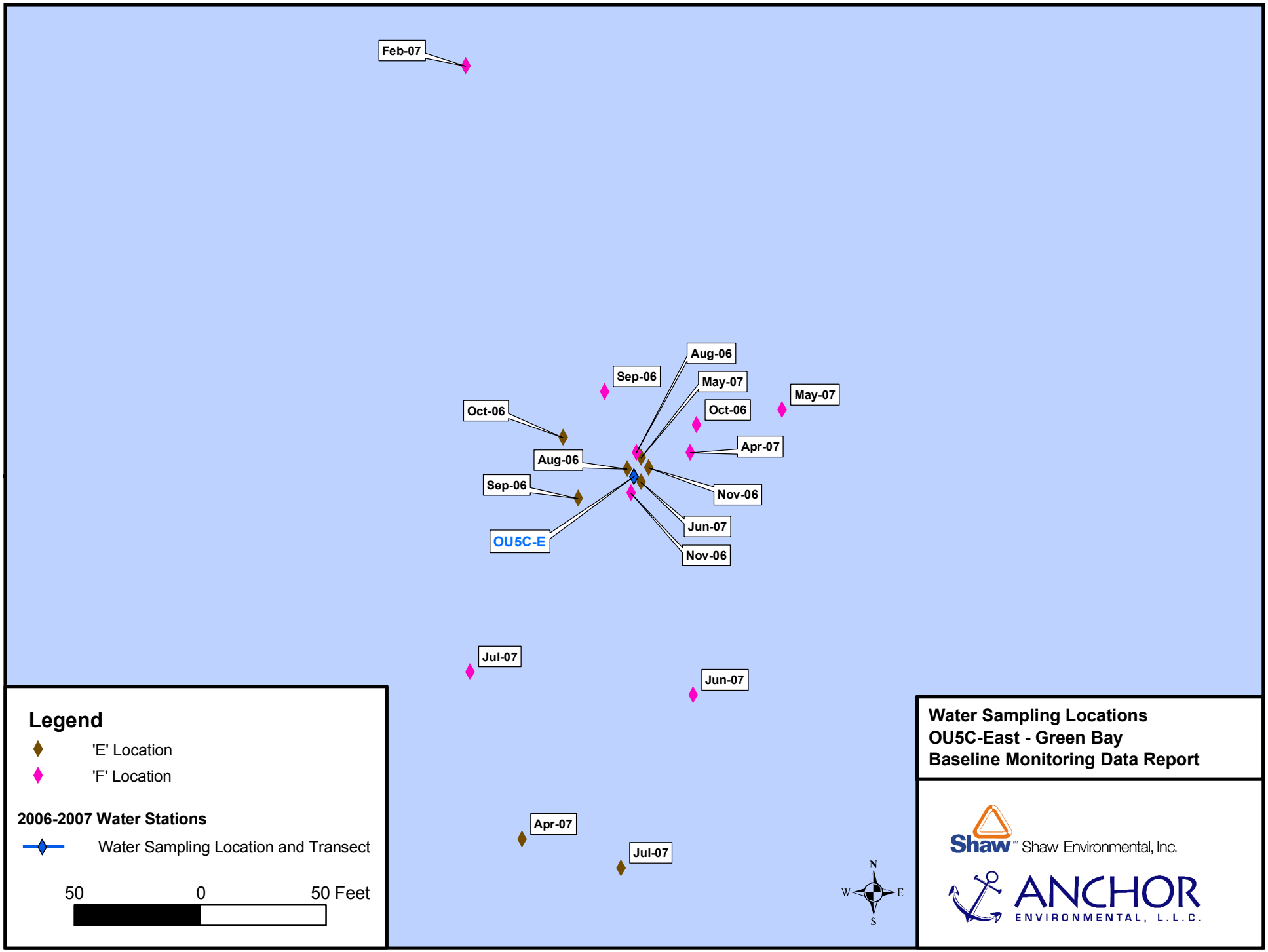
Water Sampling Locations
OU5B-West - Green Bay
Baseline Monitoring Data Report

Shaw™ Shaw Environmental, Inc.

ANCHOR ENVIRONMENTAL, L.L.C.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Legend
'E' Location
'F' Location
2006-2007 Water Stations
Water Sampling Location and Transect
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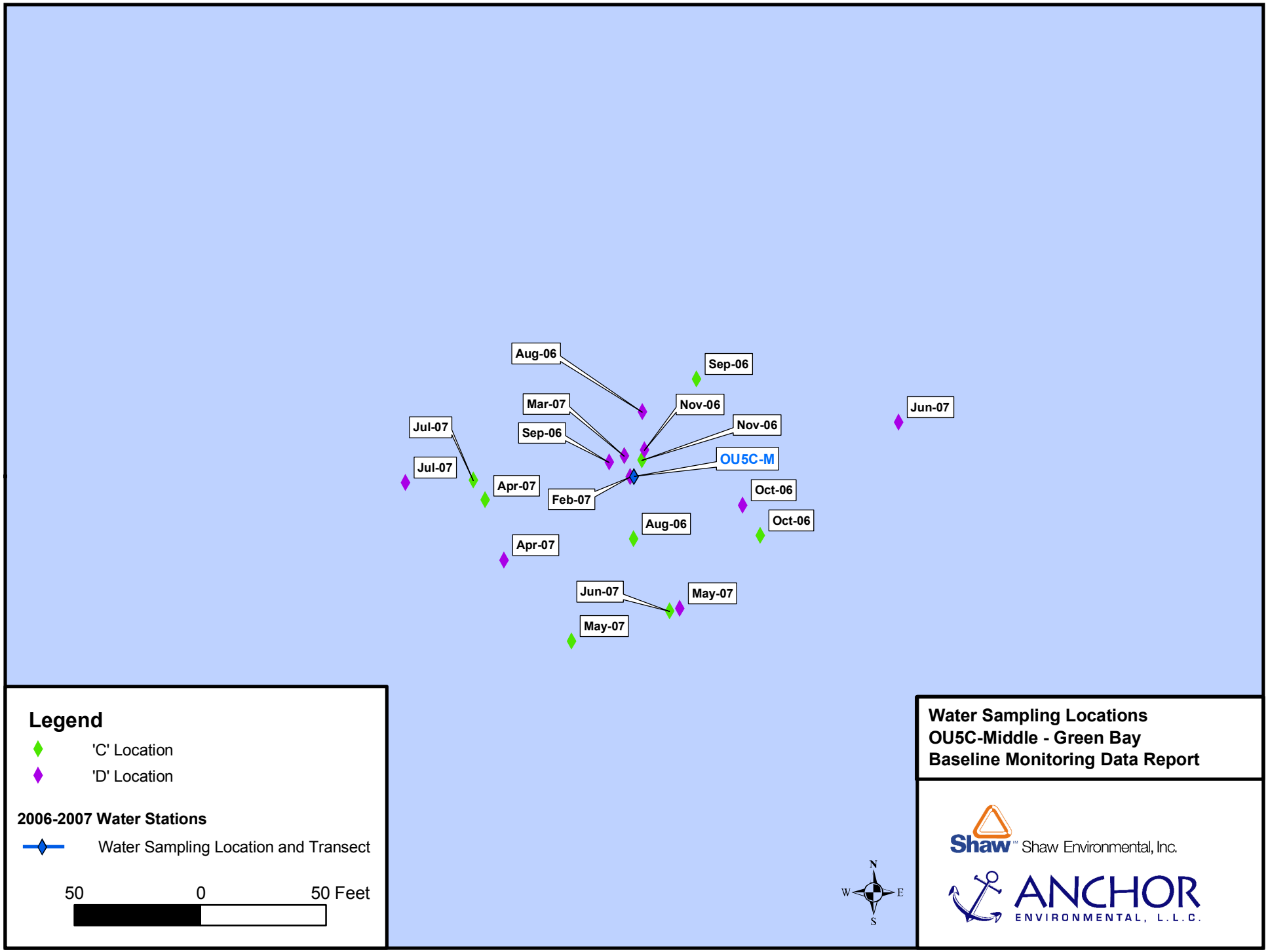
Water Sampling Locations
OU5C-East - Green Bay
Baseline Monitoring Data Report
Shaw Environmental, Inc.
ANCHOR
ENVIRONMENTAL, L.L.C.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Legend
'C' Location
'D' Location
2006-2007 Water Stations
Water Sampling Location and Transect
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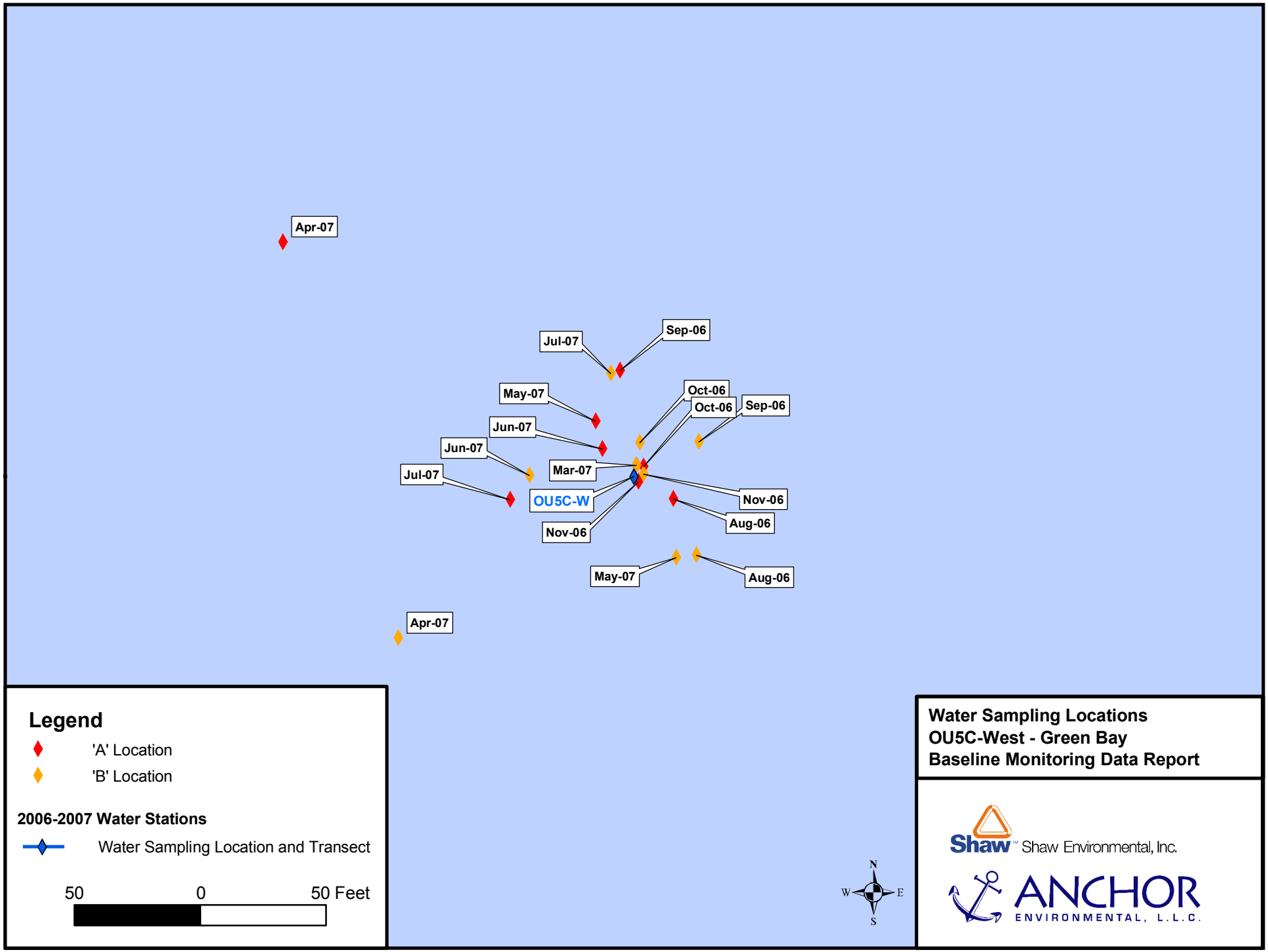
Water Sampling Locations
OU5C-Middle - Green Bay
Baseline Monitoring Data Report
Shaw Environmental, Inc.
ANCHOR
ENVIRONMENTAL, L.L.C.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Aug-06
Apr-07
Legend
'A' Location
'B' Location
2006-2007 Water Stations
Water Sampling Location and Transect
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Water Sampling Locations
OU5C-West - Green Bay
Baseline Monitoring Data Report
Shaw Environmental, Inc.
ANCHOR
ENVIRONMENTAL, L.L.C.

APPENDIX B

FIELD SAMPLING FORMS

2006 FIELD SAMPLING FORMS

FIELD SAMPLING FORMS

LWB

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 1 Date: 8-28-06

Gear Type: TRAWL NET Bank sampled (as looking upstream): R L

Water Level: NORMAL Weather: 65° F, Cloudy, Calm

Collector(s): MOL

GPS Location: Start 43° 96937 End — ° — Dec. Deg
43° 98103 — ° — WGS 84

TRAWL DIRECTION — North

Time (24hr): Start 7:30 End 7:35 ~~Shock~~ Trawl Distance (0.01 mi): .03
Date 8-28-06 Date 8-28-06 ~ 5min Trawl

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 16 Maximum: 18 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Mid-LAKE

_____

Total Catch

Walleye: 5 White Sucker: _____

Drum: 10 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature Mark Love

Printed Name MARK LOVE

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: LWB Fishing Run No.: 1 Date: 8-28-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-DR-001	12.5	lb 11 oz		–
LWB-06-DR-002	12.75	lb 10 oz		–
LWB-06-DR-003	13.0	lb 13 oz		–
LWB-06-DR-004	13.0	lb 13 oz		–
LWB-06-DR-005	13.25	lb 14 oz		–
LWB-06-DR-006	13.0	lb 10 oz		–
LWB-06-DR-007	12.25	lb 9 oz		–
LWB-06-DR-008	13.0	lb 11 oz		–
LWB-06-DR-009	12.25	lb 10 oz		–
LWB-06-DR-010	12.75	lb 13 oz		–
LWB-06-CA-001	15.5	2 lb 1 oz		–
LWB-06-WA-001	16	1 lb 7 oz		–
LWB-06-WA-002	15.75	1 lb 2 oz		–
LWB-06-WA-003	16.0	1 lb 4 oz		–
LWB-06-WA-004	13.75	lb 11 oz		–
LWB-06-WA-005	10.75	lb 5 oz		–
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 2 Date: 8-28-06

Gear Type: Trawl Net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 65° F, Cloudy, Calm

Collector(s): MOL

GPS Location: Start 43° 98103 End – ° — Dec. Deg
88° 43067 – ° — WGS 84

Trawl Direction – East

Time (24hr): Start 7:50 End 7:55 ~~Shock~~ Trawl Distance (0.01 mi): .03
Date 8-28-06 Date 8-28-06 ~ 5 min Trawl

Generator Output @ 60 pulse 25 Duty cycle Amps: – Volts: –

Water Depth

Minimum: 16 Maximum: 18 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Mid-Lake

_____

Total Catch

Walleye: 4 White Sucker: 1

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature Mark Lowe

Printed Name Mark Lowe

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: LWB Fishing Run No.: 2 Date: 8-28-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-WA-006	15.25	lb 15 oz		—
LWB-06-WA-007	14.5	lb 15 oz		—
LWB-06-WA-008	15.25	1 lb 3 oz		—
LWB-06-WA-009	12.5	lb 8 oz		—
LWB-06-WS-001	12.25	lb 11 oz		—
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 3 Date: 8-28-06

Gear Type: Trawl net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 65°F, Cloudy, Calm

Collector(s): MoL

GPS Location: Start 43 ° 96603 End — ° — Dec. Deg
88 ° 44733 — ° — WGS84

Trawl Direction — West

Time (24hr): Start 8:10 End 8:15 ~~Shock~~ Trawl Distance (0.01 mi): .03
Date 8-28-06 Date 8-28-06 ~5min trawl

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 16 Maximum: 18 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: 8 White Sucker: 3

Drum: 2 Bass (smallmouth): _____

Channel Cats: 1 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature Mark Love

Printed Name Mark Love

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: LWB Fishing Run No.: 3 Date: 8-28-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-DR-011	21.75	4 lb 4 oz		—
LWB-06-DR-012	20.25	4 lb 3 oz		—
LWB-06-WA-010	13.25	lb 10 oz		—
LWB-06-WA-011	16.0	1 lb 5 oz		—
LWB-06-WA-012	14.0	lb 9 oz		—
LWB-06-WA-013	12.75	lb 7 oz		—
LWB-06-WA-014	15.25	1 lb 0 oz		—
LWB-06-WA-015	12.25	lb 8 oz		—
LWB-06-WA-016	16.25	1 lb 8 oz		—
LWB-06-WA-017	12.25	lb 8 oz		—
LWB-06-CC-001	14.25	lb 14 oz		—
LWB-06-WS-002	12.25	lb 11 oz		—
LWB-06-WS-004	11.5	lb 9 oz		—
LWB-06-WS-003	15.25	1 lb 5 oz		—
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 4 Date: 8-28-06

Gear Type: Trawl Net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 65°F, Cloudy, Wind 5mph NW

Collector(s): MOL

GPS Location: Start 43 ° 95270 End — ° — Dec. Deg
88 ° 45900 — ° — WGS 84

Trawl Direction — North
Time (24hr): Start 8:45 End 8:50 ~~Shock~~ Trawl Distance (0.01 mi): .03 mi
Date 8-28-06 Date 8-28-06 ~ 5 min Trawl

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 16 Maximum: 18 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Mid Lake

Total Catch

Walleye: _____ White Sucker: 1

Drum: 2 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 3 Emerald Shiner: _____

Gizzard Shad: 1 (@ 3") Other: _____

Signature Mark Love
Printed Name Mark Love

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: LWB Fishing Run No.: 4 Date: 8-28-06 Page 1 of 1

	Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
✓	LWB-06-CA-002	15.25	2 lb 2 oz		—
✓	LWB-06-CA-003	17.0	2 lb 5 oz		—
✓	LWB-06-CA-004	16.75	2 lb 7 oz		—
✓	LWB-06-DR-013	20.5	5 lb 5 oz		—
✓	LWB-06-DR-014	17.0	2 lb 8 oz		—
✓	LWB-06-WS-005	11.0	lb 10 oz		—
✓	LWB-06-GS-001	>3"	lb oz		1-3.5"
			lb oz		
			lb oz		
			lb oz		
			lb oz		
			lb oz		
			lb oz		
			lb oz		
			lb oz		
			lb oz		
			lb oz		
			lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 5 Date: 8-28-06

Gear Type: Trawl Net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 70°F, Cloudy, NW wind 5 mph

Collector(s): MOL

GPS Location: Start 43 ° 96937 End — ° —— Dec. Deg
88 ° 48567 — ° —— WGS 84

Trawl Direction — South

Time (24hr): Start 9:20 End 9:25 ~~Shock~~ Trawl Distance (0.01 mi): .03
Date 8-28-06 Date 8-28-06 ~ 5 min trawl

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 16 Maximum: 18 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

MidLake

Total Catch

Walleye: _____ White Sucker: _____

Drum: 5 Bass (smallmouth): _____

Channel Cats: 3 Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: 4 (>3") Other: _____

Signature Mark Love

Printed Name MARK LOVE

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: LWB Fishing Run No.: 5 Date: 8-28-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-DR-015	20.25	4 lb 8 oz		–
LWB-06-DR-016	21.25	4 lb 7 oz		Tumor on anterior dorsal
LWB-06-DR-017	21.0	5 lb 3 oz		–
LWB-06-DR-018	22.0	6 lb 1 oz		–
LWB-06-DR-019	19.5	4 lb 3 oz		–
LWB-06-CA-005	15.25	1 lb 13 oz		–
LWB-06-CC-002	13.5	lb 12 oz		–
LWB-06-CC-003	12.25	lb 9 oz		–
LWB-06-CC-004	12.25	lb 9 oz		–
LWB-06-GS-002	>3"	lb oz		4 shad over 3"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 6 Date: 8-28-06

Gear Type: Trawl Net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 70°F, Cloudy, NW wind 5mph

Collector(s): MOL

GPS Location: Start 43 ° 96203 End — ° —
88 ° 50200 — ° — Dec. Deg WGS 84

Time (24hr): Start 9:50 End 9:55 ~~Shock~~ Trawl Distance (0.01 mi): .03
Date 8·28·06 Date 8·28·06 ~5 min Trawl

Trawl Direction — SE to NW

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 16 Maximum: 18 Mean: _____

Substrate

(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description

(vegetation, over-water structures, channel features, hydrology, etc.)

Mid Lake - adjacent to reef

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: 1 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: 13 (>3") Other: _____

Signature Mark Love

Printed Name Mark Love

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: LWB Fishing Run No.: 6 Date: 8-28-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-CC-005	13.25	lb 14 oz		–
LWB-06-GS-003	73"	lb oz		13 shad over 3"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 7 Date: 8-28-06

Gear Type: Trawl Net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 70°F, cloudy, 5-10mph NW wind

Collector(s): MOL

GPS Location: Start 44 ° 00270 End — ° — Dec. Deg.
88 ° 49400 — ° — WGS 84

Trawl Direction – North
Time (24hr): Start 10:20 End 10:25 ~~Shock~~ Trawl Distance (0.01 mi): .03
Date 8-28-06 Date 8-28-06 ~5 min trawl

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 16 Maximum: 18 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
Mid Lake

_____

Total Catch

Walleye: _____ White Sucker: 1

Drum: _____ Bass (smallmouth): _____

Channel Cats: 1 Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: LWB Fishing Run No.: 7 Date: 8-28-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-CC-006	18.5	1 lb 13 oz		—
LWB-06-CA-006	15.25	2 lb 0 oz		—
LWB-06-WS-006	11.5	lb 11 oz		—
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 8 Date: 8-28-06

Gear Type: Trawl Net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: _____

Collector(s): MDL

GPS Location: Start 44 ° 00937 End — ° — Dec. Deg
88 ° 49733 — ° — WGS 84

Trawl Direction — East

Time (24hr): Start 10:45 End 10:50 ~~Shock~~ Trawl Distance (0.01 mi): .03
Date 8-28-06 Date 8-28-06 ~5min trawl

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 16 Maximum: 18 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
Mid Lake

_____

Total Catch

Walleye: _____ White Sucker: 3

Drum: 5 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 3 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature Mark Love
Printed Name Mark Love

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: LWB Fishing Run No.: 8 Date: 8-28-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-DR-020	20.25	4 lb 15 oz		–
LWB-06-DR-021	17.5	2 lb 15 oz		–
LWB-06-DR-022	18.5	3 lb 7 oz		–
LWB-06-DR-023	21.0	5 lb 4 oz		–
LWB-06-DR-024	21.0	5 lb 10 oz		–
LWB-06-CA-007	14.5	1 lb 13 oz		–
LWB-06-CA-008	15.25	1 lb 15 oz		–
LWB-06-CA-009	15.5	2 lb 0 oz		–
LWB-06-WS-007	18.0	1 lb 15 oz		–
LWB-06-WS-008	15.25	1 lb 10 oz		–
LWB-06-WS-009	17.25	2 lb – oz		–
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 9 Date: 8-28-06

Gear Type: Trawl Net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 75°F, Cloudy, 5-10 mph NW wind

Collector(s): MOL

GPS Location: Start 44 ° 03003 End — ° —
88 ° 50200 — ° —
DEC. DEG. WGS 84

Trawl Direction - South

Time (24hr): Start 11:25 End 11:30 ~~Shock~~ Trawl Distance (0.01 mi): .03
Date 8-28-06 Date 8-28-06 ~5 min trawl

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 16 Maximum: 18 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Mid Lake

_____

Total Catch

Walleye: _____ White Sucker: 2

Drum: 7 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: 4 (>3") Other: _____

_____

Signature Mark Love

Printed Name Mark Love

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: LWB Fishing Run No.: 9 Date: 8-28-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-DR-025	19.0	3 lb 7 oz		—
LWB-06-DR-026	17.0	3 lb 0 oz		—
LWB-06-DR-027	13.75	1 lb 2 oz		—
LWB-06-DR-028	13.75	1 lb 0 oz		—
LWB-06-DR-029	17.5	2 lb 8 oz		—
LWB-06-DR-030	15.25	1 lb 14 oz		—
LWB-06-DR-031	13.75	1 lb 4 oz		—
LWB-06-WS-010	18.0	2 lb 7 oz		—
LWB-06-WS-010	15.75	1 lb 7 oz		—
LWB-06-GS-004	73	lb oz		4 shad over 3"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 10 Date: 8-28-06

Gear Type: Trawl Net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 75°F, Cloudy, NW wind 5-10mph

Collector(s): MOL

GPS Location: Start 44 ° 05270 End — ° — DEC. DEG.
88 ° 49233 — ° — WGS 84

Trawl Direction - North

Time (24hr): Start 1200 End 1205 ~~Shock~~ Trawl Distance (0.01 mi): .03
~5min trawl

Date 8-28-06 Date 8-28-06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 16 Maximum: 18 Mean: _____

Substrate
(silt) sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: 2

Drum: 2 Bass (smallmouth): _____

Channel Cats: 4 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature Mark Love

Printed Name Mark Love

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: LWB Fishing Run No.: 10 Date: 8-28-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-CC-007	17.5	1 lb 12 oz		–
LWB-06-CC-008	16.0	1 lb 4 oz		–
LWB-06-CC-009	12.5	lb 11 oz		–
LWB-06-CC-010	17.0	1 lb 10 oz		–
LWB-06-DR-032	19.5	3 lb 14 oz		–
LWB-06-DR-033	18.25	3 lb 7 oz		–
LWB-06-WS-012	12.25	lb 10 oz		–
LWB-06-WS-013	12.25	lb 14 oz		–
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 11 Date: 8-28-06

Gear Type: Trawl Net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 75°F, Cloudy, NW Wind 10mph

Collector(s): MDL

GPS Location: Start 44 °06937 End — ° — DEG.DEG.
88 °49233 — ° — WGS 84

Trawl Direction - South
Time (24hr): Start 1225 End 1230 ~~Shock~~ Trawl Distance (0.01 mi): .03
Date 8·28·06 Date 8·28·06 ~5 min trawl

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 16 Maximum: 18 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: 7

Drum: 2 Bass (smallmouth): _____

Channel Cats: 1 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature Mark Love
Printed Name Mark Love

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: LWB **Fishing Run No.:** 11 **Date:** 8-28-06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-CC-011	15.5	1 lb 3 oz		
LWB-06-DR-034	12.5	lb 14 oz		
LWB-06-DR-035	13.0	lb 14 oz		
LWB-06-WS-014	18	2 lb 3 oz		
LWB-06-WS-015	13.25	1 lb 0 oz		
LWB-06-WS-016	12.5	lb 14 oz		
LWB-06-WS-017	18.0	2 lb 5 oz		
LWB-06-WS-018	13.75	1 lb 4 oz		
LWB-06-WS-019	20.25	3 lb 3 oz		
LWB-06-WS-020	15.75	1 lb 11 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 12 Date: 9-1-06

Gear Type: Trawl Net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 60F, Sunny, E-SE wind 5mph

Collector(s): MOL

GPS Location: Start 44 : 00270 End — ° — Dec. Deg WGS 84
88 : 37733 — ° —

Trawl Direction - North
Time (24hr): Start 7:15 End 7:20 ~~Shock~~ Trawl Distance (0.01 mi): .03
Date 9-1-06 Date 9-1-06 ~5 min trawl

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 16 Maximum: 18 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: 4

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: 2 (>3") 1 (<3") Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: LWB Fishing Run No.: 12 Date: 9-1-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-WS-021	13.75	1 lb 1 oz		—
LWB-06-WS-022	16.5	1 lb 15 oz		—
LWB-06-WS-023	16.25	1 lb 15 oz		—
LWB-06-WS-024	16.0	1 lb 11 oz		—
LWB-06-GS-005	>3.0	– lb – oz		4 shad: {one @ over 3", 2 @ <3"}
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 13 Date: 9-1-06

Gear Type: Trawl Net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 65°F, Sunny, E ~~NW~~ NE wind 5mph

Collector(s): MOL

GPS Location: Start 44° 01937 End — ° —
88° 36900 — ° —
Dec. Deg WGS.84

Trawl Direction - South
Time (24hr): Start 7:40 End 7:45 ~~Shock~~ Trawl Distance (0.01 mi): .03
Date 9-1-06 Date 9-1-06 ~5 min trawl

Generator Output @ 60 pulse 25 Duty cycle Amps: - Volts: -

Water Depth

Minimum: 16 Maximum: 18 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: 3

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: LWB Fishing Run No.: 13 Date: 9-1-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-WS-025	17.75	2 lb 1 oz		—
LWB-06-WS-026	15.5	1 lb 8 oz		—
LWB-06-WS-027	17.75	2 lb 3 oz		—
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 14 Date: 9-1-06

Gear Type: Trawl Net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 65°F, Sunny, E-NE 5 mph

Collector(s): MOL

GPS Location: Start 44 : 05270 End — ° —
88 ° 39067 — ° —
Dec. Deg WGS 84

Trawl Direction- South
Time (24hr): Start 8:15 End _____ ~~Shock~~ Trawl Distance (0.01 mi): .03
Date 9-1-06 Date 9-1-06 ~5 min trawl

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 16 Maximum: 18 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish Collected

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 15 Date: 9-1-06

Gear Type: Trawl Net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 70°F, Sunny, NE wind 5-10 mph

Collector(s): MOL

GPS Location: Start 44 °.05270 End – ° —.— Dec. Deg
88 °.38567 – ° —.— WGS 84

Trawl Direction - South
Time (24hr): Start 8:45 End 8:50 ~~Shock~~ Trawl Distance (0.01 mi): .03
Date 9-1-06 Date 9-1-06 ~5 min Trawl

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 16 Maximum: 18 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish Collected

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 16 Date: 9-1-06

Gear Type: Trawl Net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 70°F, Sunny, E-NE wind 10 mph

Collector(s): MDL

GPS Location: Start 44 ° 05770 End — ° —
88 ° 34733 — ° —
Dec Deg WGS 84

Trawl Direction - East
Time (24hr): Start 9:20 End 9:25 ~~Shock~~ Trawl Distance (0.01 mi): .03
Date 9-1-06 Date 9-1-06 ~5 min trawl

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 16 Maximum: 18 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: 2 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: LWB Fishing Run No.: 16 Date: 9-1-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-CC-012	15.25	1 lb 2 oz		
LWB-06-CC-013	21.0	lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 17 Date: 9-1-06

Gear Type: Trawl Net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 70°F, Sunny, 10-15 mph E-NE wind

Collector(s): MOL

GPS Location: Start 44 ° 05270 End — ° — Dec. Deg
88 ° 34067 — ° — WGS84

Trawl Direction- North

Time (24hr): Start 9:45 End 9:50 ~~Shock~~ Trawl Distance (0.01 mi): .03
Date 9-1-06 Date 9-1-06 ~5 min trawl

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: 3 Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: LWB Fishing Run No.: 17 Date: 9-1-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-CC-014	15.0	1 lb 9 oz		
LWB-06-CC-015	17.5	1 lb 14 oz		
LWB-06-CC-016	16.5	1 lb 7 oz		
LWB-06-CC-010	15.0	1 lb 12 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 18 Date: 9-1-06

Gear Type: Trawl Net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 70°F, 10-15 mph E-NE winds

Collector(s): MOL

GPS Location: Start 44 ° 03603 End — ° —— Dec. Deg
88 ° 34567 — ° — WGS 84

Trawl Direction - South

Time (24hr): Start 10:15 End 10:20 ~~Shock~~ Trawl Distance (0.01 mi): .03
Date 9-1-06 Date 9-1-06 ~5 min trawl

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 16 Maximum: 18 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No Fish Collected

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 19 Date: 9-1-06

Gear Type: Trawl Net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 75°F, Sunny, E-NE wind 10mph

Collector(s): MoL

GPS Location: Start 44 ° 02437 End — ° —
88 ° 33067 — ° —

Dec. Deg WGS 84

Trawl Direction - West

Time (24hr): Start 10:45 End 10:50 Shock Distance (0.01 mi): .03
Date 9-1-06 Date 9-1-06 ~5 min trawl

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 16 Maximum: 18 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 2 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: LWB Fishing Run No.: 19 Date: 9-1-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-CA-011	14.75	1 lb 12 oz		–
LWB-06-CA-012	13.0	1 lb 6 oz		–
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 20 Date: 9-13-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 55°F, Cloudy, Breezy

Collector(s): NOL, CAM, AJW

GPS Location: Start 44 ° 12 . 14 End 44 ° 11 . 57
88 ° 25 . 30 88 ° 26 . 19

Time (24hr): Start 8:15 End 9:45 Shock Distance (0.01 mi): _____
Date_____ Date_____

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504 1950 seconds

Water Depth

Minimum: 2 Maximum: 4 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
(Brighton Beach area)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 4 Emerald Shiner: _____

Gizzard Shad: 1 Other: _____

Signature ALICIA J W

Printed Name Ali Wick

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: LWB **Fishing Run No.:** 20 **Date:** 9-13-06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-GS-006	<3"	1 lb Arh oz		
LWB-06-CA-013	14.25"	1 lb 9 oz		
LWB-06-CA-014	13.5"	1 lb 3 oz		
LWB-06-CA-015	16.25"	2 lb 7 oz		
LWB-06-CA-016	16.25"	2 lb 1 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 21 Date: 9-13-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 60°F, Cloudy, Breezy

Collector(s): MOL, AJW, CAM

GPS Location: Start 44 ° 11 . 56 End 44 ° 12 . 11
88 ° 27 . 02 88 ° 25 . 42

Time (24hr): Start 10:00 End 11:15 Shock Distance (0.01 mi): _____
Date 9-13-06 Date 9-13-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504 1115 Seconds

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Submerged Veg - Scattered

(Brighton Beach)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

017 → Carp: 1 Emerald Shiner: _____

Gizzard Shad: 2 Other: _____

Signature [illegible]

Printed Name ALI WICK

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: LWB **Fishing Run No.:** 21 **Date:** 9-13-06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-GS-007	3"->6"	2 lb fish oz		2 fish
LWB-06-CA-017	16.5"	2 lb 5 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 22 Date: 9-13-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 65°F Cloudy, Breezy

Collector(s): ASW, MOL, CAM

GPS Location: Start 44 ° 19 . 10 End 44 ° 03 . 20
88 ° 31 . 01 88 ° 31 . 02

Time (24hr): Start 12:40 End 1:45 Shock Distance (0.01 mi): _____
Date_____ Date_____

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504 998 seconds

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

Asylum Bay

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

018 →Carp: 1 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature [illegible]
Printed Name Al Wick

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: LWB **Fishing Run No.:** 22 **Date:** 9-13-06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-CA-018	13.5"	1 lb 5 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 23 Date: 9-13-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 65°F, Cloudy, Wind 10mph NW

Collector(s): MOL, CAM, AJW

GPS Location: Start 44 ° 03 . 32 End 44 ° 03 . 47
88 ° 31 . 03 88 ° 31 . 22

Time (24hr): Start 1:50 End 2:25 Shock Distance (0.01 mi): _____
Date 9-12-06 Date 9-12-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504 636 Seconds

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Asylum Bay

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

019 → Carp: 1 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature ALI WICK

Printed Name ALI WICK

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: LWB **Fishing Run No.:** 23 **Date:** 9-13-06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-CA-019	13.75"	1 lb 6 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 24 Date: 9-30-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: Unk

Collector(s): WDNR

Locations where most shad were collected

GPS Location: ~~Start~~ Point 43 ° 59 . 340 End Point 43 ° 58 . 972
88 ° 31 . 986 88 ° 31 . 642

Point 43° 58. 217
88° 31. 423

Map datum WGS 84

Time (24hr): Start Unk End Unk Shock Distance (0.01 mi): Unk
Date Date

Generator Output @ 60 pulse 25 Duty cycle Amps: Unk Volts: Unk

Water Depth

Minimum: — Maximum: — Mean: —

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: 200 (3"+05") Other: _____

Signature Mark Lee

Printed Name Mark Lee

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: LWB Fishing Run No.: 24 Date: 9-30-06 Page 1 of 1

Sample ID [redacted]	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-GS-009	>3"	lb oz		25 fish 3 to 5"
LWB-06-GS-010	>3"	lb oz		25 fish 3 to 5"
LWB-06-GS-011	>3"	lb oz		25 fish 3 to 5"
LWB-06-GS-008	>3"	lb oz		25 fish 3 to 5"
LWB-06-GS-012	>3"	lb oz		25 fish 3 to 5"
LWB-06-GS-013	>3"	lb oz		25 fish 3 to 5"
LWB-06-GS-014	>3"	lb oz		25 fish 3 to 5"
LWB-06-GS-015	>3"	lb oz		25 fish 3 to 5"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 25 Date: 10-1-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: Unk

Collector(s): WDNR

GPS Location: Start 43 ° 48 . 325 End — ° — .

Area where fish were collected 88 ° 27 . 823 — ° — .

Map datum WGS 84

Time (24hr): Start Unk End Unk Shock Distance (0.01 mi): _____

Date_____ Date_____

Generator Output @ 60 pulse 25 Duty cycle Amps: Unk Volts: Unk

Water Depth

Minimum: — Maximum: — Mean: —

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: 25(3"to 5") Other: _____

_____

Signature Mark Love

Printed Name Mark Love

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: LWB Fishing Run No.: 25 Date: 10-1-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-06-GS-016	>3"	lb oz		25 fish 3" to 5"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

FIELD SAMPLING FORMS

OU1

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 1 Fishing Run No.: 1 Date: 8-~~16~~ 15-06 BMK

Gear Type: Fykz Bank sampled (as looking upstream): R (L)

Water Level: Normal Weather: clear -

Collector(s): WDX BH ML GH PS NG

GPS Location: Start 44 88 ° 12 28 . 00 N 17W End NA

Time (24hr): Start 8/15/06 1000 End 8/16/06 0920 Shock Distance (0.01 mi): NA

Generator Output @ 60 pulse 25 Duty cycle Amps: NA Volts: NA

Water Depth

Minimum: 3 Maximum: 6 Mean: 3

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

NONE

Total Catch

Walleye: 0 White Sucker: 0

Drum: 0 Bass (smallmouth): 0

Channel Cats: 0 Bass (white): 0

Carp: 0 Emerald Shiner: 0

Gizzard Shad: ~~2~~ 1 (MS) Other: [illegible] 1 [illegible]

Bluegill - 1 another Gizzard Shad released ~8"

Signature [signature]

Printed Name [illegible] Klock

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: OU-1 Fishing Run No.: 1 Date: 8-15-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU1-06-GS-001	3.75	(0.1 lb) 8 gr		1 fish

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

BMH

OU Location: out Fishing Run No.: 2 Date: 8-~~16~~ 15-06

Gear Type: Fyke Bank sampled (as looking upstream): R (L)

Water Level: Normal Weather: Clear

Collector(s): WOK ML BH BH PS NG

GPS Location: Start 44 88 ° 13 27 . 48 N 42 W End ° .

Time (24hr): Start 10:35 End 9:45 Shock Distance (0.01 mi): NA

Generator Output @ 60 pulse 25 Duty cycle Amps: NA Volts: NA

Water Depth

Minimum: 3 Maximum: 6 Mean: 3.8

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

None.

Total Catch

Walleye: 0 White Sucker: 1

Drum: 0 Bass (smallmouth): 0

Channel Cats: 0 Bass (white): 2

Carp: 0 Emerald Shiner: 0

Gizzard Shad: 0 Other:

Bluegill - 2

Signature

Printed Name

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: 1 Fishing Run No.: 2 Date: 8/15/06 AW Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
001-06-WB-001	4.0	13.0 gr		—
001-06-WB-002	4.0	12.5 gr		—
001-06-WS-001	18.5	1.5 lb		—

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 1 Fishing Run No.: 3 Date: 8-16-06

Gear Type: Electro Fishing Bank sampled (as looking upstream): (R) L

Water Level: Normal Weather: Clear & sunny Lgt. wind

Collector(s): WDY PTS

GPS Location: Start 44 ° 13 . 49 End 44 ° 13 . 54
88 27 41 88 27 36

Time (24hr): Start 1018 End 1035 Shock Distance (0.01 mi): 0.7

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336 817 sec.

Water Depth

Minimum: 3 Maximum: 10 Mean: 5

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

NO ?

Total Catch

Walleye: 0 White Sucker: 0

Drum: 1 Bass (smallmouth): 0

Channel Cats: 0 Bass (white): 0

Carp: 0 Emerald Shiner: 0

Gizzard Shad: 0 Other:

1 carp >25" 1 Gizzard Shad > 8"

Signature

Printed Name

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

1 of 1 (PT3)

OU Location: 1 Fishing Run No.: 2 Date: 6-16-05 Page X of X

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU1-06-DR-001	13.7	0.7	—	

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 1 Fishing Run No.: 4 Date: 8-16-06

Gear Type: Electro Fisher Bank sampled (as looking upstream): R (L)

Water Level: Normal Weather: (Hot & sunny - light wind)

Collector(s): WSK BH

GPS Location: Start 44 ° 12 . 17 End 44 ° 12 . 01
88 28 13 88 28 18

Time (24hr): Start 1120 End 1147 Shock Distance (0.01 mi): .6

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336

Water Depth

Minimum: 2 Maximum: 6 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Spouse to heavy SAVs

Total Catch

Walleye:	0	White Sucker:	0
Drum:	23 ML	Bass (smallmouth):	0
Channel Cats:	0	Bass (white):	0
Carp:	2	Emerald Shiner:	0
Gizzard Shad:	~~1 Too Large~~ 0	Other:	1 Drum from hook & line

Signature [signature]

Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 1 Fishing Run No.: 4 Date: 8-16-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
001-06-DR-003	12.5	10 oz		—
001-06-DR-004	12.5	10 oz		—
001-06-CA-001	21	4.5		—
001-06-CA-002	20.5	3.75		—
001-06-DR-005	12.75	12 oz		1 small lesion on anal fin
001-06-DR-002	13.25	10 oz		NOTE: captured using hook & line @ Fritze Park (PT5)

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 1 Fishing Run No.: 5 Date: 8-16-06

Gear Type: Electro Fisher Bank sampled (as looking upstream): (R) L

Water Level: normal Weather: clear sunny wind E.

Collector(s): WSV PA BH.

GPS Location: Start 44 ° 12 . 11 / 88 28 01 End 44 ° 12 . 02 / 88 27 58

Time (24hr): Start 1225 End 1307 Shock Distance (0.01 mi): .5

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336

Water Depth

Minimum: 2 Maximum: 6 Mean: 3

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

cobble

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

SAV cobble - bldrs - Flowing water.

Total Catch

Walleye:	0	White Sucker:	1
Drum:	0	Bass (smallmouth):	3
Channel Cats:	1	Bass (white):	Ø
Carp:	5	Emerald Shiner:	0
Gizzard Shad:	0	Other:	

Signature [signature]

Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 1 Fishing Run No.: 5 Date: 8/16/06 Page 1 of 1

Processed by NG & PTS

Sample ID	Length (0.1 in)	Est. Wt. ~~(0.1 lb)~~ lb and oz	Cooler ID	Fish Condition (1)
OU1-06-CA-003	21.5	4 lb 15 oz	—	
OU1-06-CA-004	21.5	5 lb 4 oz		
OU1-06-CA-005	21.0	4 lbs 8 oz		
OU1-06-CA-006	19.5	3 lbs 5 oz		
OU1-06-SB-~~001~~ 003 (PTS)	16.5	2 lbs 3 oz		
OU1-06-CA-007	13.0	1 lb 2 oz		
OU1-06-SB-~~002~~ 004 (PTS)	15.5	1 lb 15 oz		
OU1-06-WS-002	16.25	1 lb 7 oz		
OU1-06-SB-~~003~~ 005 (PTS)	11.5	14 oz		
OU1-06-CC-001	14.0	13 oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 1 Fishing Run No.: 6 Date: 8-16-05

Gear Type: Electro Fish Bank sampled (as looking upstream): (R) L

Water Level: Normal Weather: Clear Sunny E wind 5 mph

Collector(s): WDK BH PTS

GPS Location: Start 44 88 ° 11 27 . 37 59 End 44 88 ° 11 28 . 25 10

Time (24hr): Start 1356 End 1700hr Shock Distance (0.01 mi): 1.0

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336 2434 sec

Water Depth

Minimum: 2 Maximum: 8 Mean: 5

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

cobble

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Flow from down channel & plant outfall

Total Catch

Walleye: 1 (9.5"; just outside range) White Sucker: 10

Drum: Bass (smallmouth): 1

Channel Cats: Bass (white): 0

Carp: 12 Emerald Shiner: 0

Gizzard Shad: Other:

several larger than 22" (6 to 8 fish)

Signature PLT

Printed Name Paul Schlenger

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 1 Fishing Run No.: 6 Date: 8/16/06 Page 1 of 2

Processed by NG, PTS

Sample ID	Length (0.1 in)	Est. Wt. ~~(0.1 lb)~~ lb oz	Cooler ID	Fish Condition (1)
OU1-06-CA-008	21.75	6 lb 0 oz		
OU1-06-CA-009	21.0	4 lb 3 oz		
OU1-06-CA-010	21.5	4 lb 5 oz		
OU1-06-CA-011	21.25	4 lb 2 oz		
OU1-06-CA-012	22.0	5 lb 0 oz		
OU1-06-CA-013	22.0	4 lb 15 oz		
OU1-06-CA-014	21.4	5 lb 0 oz		
OU1-06-CA-015	20.5	3 lb 9 oz		
OU1-06-CA-016	20.5	4 lb 7 oz		
OU1-06-CA-017	20.5	4 lb 3 oz		
OU1-06-CA-018	22.0	5 lb 1 oz		
OU1-06-CA-019	21.5	5 lb 0 oz		
OU1-06-WS-003	16.75	1 lb 7 oz		
OU1-06-WS-004	14.5	1 lb 4 oz		
OU1-06-WS-005	17.5	2 lb 2 oz		
OU1-06-WS-006	15.25	1 lb 7 oz		
OU1-06-WS-007	16.75	1 lb 13 oz		
OU1-06-WS-008	18.0	2 lb 1 oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 1 Fishing Run No.: 6 Date: 8/16/06 Page 2 of 2

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU1-06-WS-009	10"	7 oz		
OU1-06-WS-010	9.5"	6 oz		
OU1-06-WS-011	9.75"	7 oz		
OU1-06-WS-012	10"	7 oz		
OU1-06-SB-006	7.25	4 oz		
OU1-06-WA-001	9.5	4		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: [illegible] Fishing Run No.: 8 Date: 8-17-06

Gear Type: Electrofish Bank sampled (as looking upstream): (R) L

Water Level: normal Weather: cloudy [illegible]

Collector(s): [illegible]

GPS Location: Start 44 ° 28 . 19 End 44 ° 11 . 28
88 ° 04 . 43 88 ° 28 . 12

Time (24hr): Start 0910 End 1002 Shock Distance (0.01 mi): 0.5
Date ~~1002~~ Date 8-17-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336 2400 sec

Water Depth

Minimum: 1 Maximum: 5 Mean: 3

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

flow from outfall

Total Catch

Walleye: 6 White Sucker: 4

Drum: 3 Bass (smallmouth): 8

Channel Cats: Bass (white):

Carp: 5 Emerald Shiner:

Gizzard Shad: (6) Other:

Signature [signature]

Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: OU-1 Fishing Run No.: 8 Date: 8-17-06 Page 1 of 2

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU1-06-Ca-020	20.0	3.75		—
OU1-06-Ca-021	22.0	5.0		—
OU1-06-Ca-022	21.5	4.5		—
~~OU1-06-Ca-023~~	—	~~[illegible]~~		—
OU1-06-Ca-023	21.0	4.5		—
OU1-06-Wa-002	9.25	0.25		—
OU1-06-Wa-003	12	0.75		—
OU1-06-Wa-004	11	0.5		—
OU1-06-Wa-005	10	0.5		—
OU1-06-Wa-006	10.5	0.6		—
OU1-06-Wa-007	8.5	0.25		—
OU1-06-~~Wa~~ DR-006	17.75	2.5		—
OU1-06-DR-007	17.0	2.10		—
~~OU1-06-DR-008~~		~~11.4~~		—
OU1-06-SB-007	15.0	1.8		—
OU1-06-SB-008	13.0	1.3		—
OU1-06-SB-009	13.5	1.3		—
OU1-06-SB-010	10.3	.8		—

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU-1 Fishing Run No.: 8 Date: 8-17-06 Page 2 of 2

	Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
✓	OU1-06-SB-011	8.3	0.5		–
✓	OU1-06-SB-012	9.2	0.6		–
✓	OU1-06-SB-013	8.3	0.4		–
	OU1-06-DR-008	14.7	1.0		–
	OU1-06-WS-013	18.0	1.9 ~~1.6~~		–
	OU1-06-WS-014	17.5	1.8		–
	OU1-06-WS-015	10.5	0.7		–
	OU1-06-WS-016	9.5	0.4		–
✓	OU1-06-SB-019	6.5	0.1		
	OU1-06-GS-002	3-6	0.1		6 fish in Bag

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 1 Fishing Run No.: 9 Date: 8-17-06

Gear Type: Electro Fisher Bank sampled (as looking upstream): R L

Water Level: normal Weather: overcast [illegible] winds

Collector(s): [illegible]

GPS Location: Start 42 ° 11 . 28 End [illegible] ° 14 . 43
88 ° 26 . 13 [illegible] ° 25 . 55

Time (24hr): Start 1050 End 1141 Shock Distance (0.01 mi): 17
Date 8-17-06 Date 8-17-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336 1600 seconds

Water Depth

Minimum: 2 Maximum: 8 Mean: .4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Instream logs Docks overhanging vegetation = 20%

Total Catch

Walleye: _____ White Sucker: _____

Drum: 2 Bass (smallmouth): 5

Channel Cats: _____ Bass (white): _____

Carp: 2 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: ~~004~~ OU-1 Fishing Run No.: 9 Date: 8-17-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
001-06-Ca-024	21	5.3		—
001-06-Ca-025	21.6	4.6		—
001-06-DR-009	13	1.1		—
001-06-DR-010	15.5	1.4		—
✓ 001-06-SB-014	12.6	1.0		Small (pea sized) tumor on tail
✓ 001-06-SB-015	12.5	0.9		—
✓ 001-06-SB-016	9.7	0.7		—
✓ 001-06-SB-017	7.0	0.1		—
✓ 001-06-SB-018	7.0	0.1		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 1 Fishing Run No.: 10 Date: 8-17-06

Gear Type: [illegible] Bank sampled (as looking upstream): (R) L

Water Level: [illegible] Weather: [illegible]

Collector(s): _____

GPS Location: Start 44 ° 11 . 21 End 44 ° 11 . 22
88 ° 2 . [illegible] 88 ° 28 . 59

Time (24hr): Start 1251 End 1310 Shock Distance (0.01 mi): 0.2
Date [illegible] Date 8/17/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336

Water Depth

Minimum: 2' Maximum: 6' Mean: 3'

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

[illegible]

_____

Total Catch

Walleye: _____ White Sucker: 1

Drum: 6 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature [signature]

Printed Name Walter Kloc[illegible]

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: OU-1 Fishing Run No.: 10 Date: 8-17 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
001-06-OR-011	19.3	2.9		—
001-06OR-012	19.0	3.8		Dime size tumor on side of fish
001-06-OR-013	17.3	2.6		—
001-06-OR-014	15.5	1.5		—
001-06-OR-015	13.7	0.8		—
001-06-OR-016	10.6	0.5		—
001-06-WS-017	13.0	0.9		—

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 1 Fishing Run No.: 11 Date: 8-17-06

Gear Type: [illegible] Bank sampled (as looking upstream): R (L)

Water Level: [illegible] Weather: [illegible]

Collector(s): [illegible]

GPS Location: Start 44 ° 14 . 45 End [illegible] ° 15 . 04
88 ° 25 . 30 88 ° 25 . 04

Time (24hr): Start 1535 End 1612 Shock Distance (0.01 mi): 0.5
Date 8/17/06 Date 8/17/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336

Water Depth

Minimum: [illegible] Maximum: 10 Mean: 6

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

[illegible]

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: [illegible] Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [illegible]
Printed Name [illegible]

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 007 Fishing Run No.: 14 Date: 8-17-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
001-06-DR-017	20.25	4.5		
001-06-DR-018	14.5	1.5		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: [illegible] Fishing Run No.: 12 Date: [illegible]

Gear Type: [illegible] Bank sampled (as looking upstream): R L

Water Level: [illegible] Weather: [illegible] rain light wind

Collector(s): [illegible] PAS

GPS Location: Start 44 ° 11 .23 End 44 ° 11 .23
88 ° 27 .69 88 ° 27 .69

Time (24hr): Start 1530 End 0955 Shock Distance (0.01 mi): [illegible]
Date 8-17-06 Date 8-18-06

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

[illegible] boulder

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

NO FISH [illegible]

Signature [illegible]

Printed Name [illegible]

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU-1 Fishing Run No.: 13 Date: 8/7/06

Gear Type: Fyke net Bank sampled (as looking upstream): (R) L

Water Level: Normal Weather: Cloudy, light Rain, no wind

Collector(s): [illegible]

GPS Location: Start 44 ° 11 . 23 End 44 ° 11 . 23
88 ° 27 . 69 88 ° 27 . 69

Time (24hr): Start 1510 End 0950 Shock Distance (0.01 mi): N/A
Date 8-7-06 Date 8-16-06

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 4 Maximum: 2 Mean: 3

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

cobble bottom

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [illegible]

Printed Name [illegible]

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 1 Fishing Run No.: 13 Date: 8-~~18~~ 07 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
001-~~02~~ 06-Ca-026	15.0	1.10		—

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 1 Fishing Run No.: [illegible] Date: 8-19-06

Gear Type: Electrofishing Bank sampled (as looking upstream): R L

Water Level: Normal Weather: Partly Cloudy wind E 5 mph.

Collector(s): WEK [illegible] JMK.

GPS Location: Start 44 ° 15 : 04 End 44 ° 14 . 59
88 ° ~~26~~ 25 . 03 88 ° 25 . 15

Time (24hr): Start ~~[illegible]~~ 1013 (PTS) End 1037 Shock Distance (0.01 mi): 0.5
Date_____ Date_____

Generator Output @ 60 pulse 25 Duty cycle Amps: 5 Volts: 350 791 SPC

Water Depth

Minimum: ~~[illegible]~~ 2 Maximum: 8 Mean: 5

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Boulder [illegible]

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye:	0	White Sucker:	0
Drum:	0	Bass (smallmouth):	0
Channel Cats:	0	Bass (white):	0
Carp:	1	Emerald Shiner:	0
Gizzard Shad:	1	Other:	

Signature [signature]
Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 1 Fishing Run No.: 14 Date: 8/18/ Page 1 of 1

Recorded by PTS

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU1-06-CA-027	22.0	5 lb 9 oz		
OU1-06-GS-007	5.25	0 lb 0.5 oz		1 fish

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 1 Fishing Run No.: 15 Date: 8-16-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L Across 10/441 Bridge

Water Level: _____ Weather: _____

Collector(s): WOV MOL & MK

GPS Location: Start 44 ° 13 . 07 End 44 ° 13 . 07
88 27 48 88 27 48

Time (24hr): Start 1118 End 1125 Shock Distance (0.01 mi): 0.2

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336 536 SEC.

Water Depth

Minimum: 6 Maximum: 10 Mean: 8

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

RT 10/441 Bridge Pylons

_____

Total Catch

Walleye: 0 White Sucker: 0

Drum: 0 Bass (smallmouth): 0

Channel Cats: 0 Bass (white): 0

Carp: 0 Emerald Shiner: 0

Gizzard Shad: 0 Other: _____

0 Fish

Signature [signature]

Printed Name Walter Kloet

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 1 Fishing Run No.: 16 Date: 8/18/06

Gear Type: [illegible] Bank sampled (as looking upstream): R L [illegible]

Water Level: _____ Weather: _____

Collector(s): _____

GPS Location: Start 44 ° 13 . 07 End ____ ° ____ . ____
88 ° 27 . 48 ____ ° ____ . ____

Time (24hr): Start 1136 End 1209 Shock Distance (0.01 mi): 0.5
Date _____ Date _____

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336

Water Depth

Minimum: 2 Maximum: 8 Mean: 5

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

[illegible] / walkway [illegible]

_____

Total Catch

Walleye:	6	White Sucker:	0
Drum:	1 ~~0~~ NMG	Bass (smallmouth):	~~0~~ 1 NMG
Channel Cats:	0	Bass (white):	0
Carp:	2	Emerald Shiner:	0
Gizzard Shad:	0	Other:	

_____

Signature [illegible]

Printed Name [illegible]

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 1 Fishing Run No.: 16 Date: 8/18/06 Page 1 of 1

Recorder MS

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU1-06-CA-028	20.75	4 lbs 5 oz		
OU1-06-CA-029	18.25	3 lbs 3 oz		
OU1-06-WA-008	14.75	0 lbs 15 oz		
OU1-06-WA-009	10.0	4 oz		
OU1-06-WA-010	10.0	5 oz		
OU1-06-WA-011	10.5	6 oz		
OU1-06-WA-012	11.0	7 oz		
OU1-06-WA-013	10.0	5 oz		
OU1-06-DZ-019	13.25	15 oz		
OU1-06-SB-019A	12	14 oz		Scale damage / Cut Gill
THERE WERE TWO SAMPLES IDENTIFIED AS OU1-06-SB-019. THEREFORE THIS SAMPLE WAS RE-NAMED 019A				

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 1 Fishing Run No.: 17 Date: 8-18-06

Gear Type: SFishers Bank sampled (as looking upstream): R (L)

Water Level: _____ Weather: Cloudy no rain

Collector(s): [illegible] MOL JMK

GPS Location: Start 44 ° 11 . 41 End 44 ° 11 . 40
88 ° 28 . 04 88 ° 28 . 04

Time (24hr): Start 1302 End 1332 Shock Distance (0.01 mi): 0.7
Date 8/18/06 Date 8/18/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336 1141 secs

Water Depth

Minimum: 2 Maximum: 6 Mean: 3

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Flow from out fall large boulders

Total Catch

Walleye: 1 White Sucker: 2

Drum: 3 Bass (smallmouth): _____

Channel Cats: 1 Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature _____

Printed Name _____

Two samples were identified as OU1-06-WS-017. Changed to 017A

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 1 Fishing Run No.: 17 Date: 8/18/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
✓ OU1-06-CC-002	17	1 lb 8 oz		lequeres all around the mouth blind left eye
✓ OU1-06-CA-030	21.25	4 lbs 3 oz		
✓ OU1-06-WS-017A	16	1 lbs 7 oz		Circle Lamprey mark behind Right Fin
✓ OU1-06-WS-018	15.75	1 lbs 6 oz		
✓ OU1-06-DR-020	13.25	14 oz		
✓ OU1-06-DR-021	15.5	1 lbs 6 oz		
✓ OU1-06-DR-022	12.25	11 oz		
OU1-06-~~SM~~ SB-020 (AM)	13	1 lb 2 oz		
OU1-06-~~SM~~ SB-021 (AM)	18	3 lbs 15 oz		
✓ OU1-06-WA-014	16.25	1 lb 5 oz		
~~OU1-06~~ NMG				
~~OU1-06~~				

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 1 Fishing Run No.: 18 Date: 8-18-06

Gear Type: e shock Bank sampled (as looking upstream): R L

Water Level: normal Weather: (dark) light breeze

Collector(s): [illegible]

GPS Location: Start 44 ° 11 . 26 End 44 ° 11 . 26
88 ° 28 . 11 88 ° 28 . 11

Time (24hr): Start 2020 End 2047 Shock Distance (0.01 mi): 0.2
Date 8-18-06 Date

Generator Output @ 60 pulse 25 Duty cycle Amps: Volts:

Water Depth

Minimum: 3 Maximum: 8 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: 1 White Sucker:

Drum: Bass (smallmouth): 1

Channel Cats: Bass (white): ~~1 (released)~~ 0

Carp: Emerald Shiner:

Gizzard Shad: Other:

Signature [signature]

Printed Name Paul Schlenger

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 001 Fishing Run No.: 18 Date: 8-18-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
001-06-WA-015	16.75	1#8oz		✓
001-06-SB-022	13.0	1 lb 4oz		✓

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 1 Fishing Run No.: 19 Date: 8-18-06

Gear Type: Electro Fish Bank sampled (as looking upstream): R L

Water Level: _____ Weather: _____

Collector(s): [illegible]

GPS Location: Start 44 ° 12 . 16 End 44 ° 11 . 25
88 28 13 86 28 15

Time (24hr): Start 9213 End 9141 Shock Distance (0.01 mi): [illegible]

Generator Output @ 60 pulse 25 Duty cycle Amps: [illegible] Volts: [illegible] 10 [illegible]

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: 1 White Sucker: _____

Drum: 2 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU1 Fishing Run No.: 19 Date: 8-18-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU1-06-DR-023	15.25	1.9oz		
OU1-06-DR-024	16.0	1.15oz		
OU1-06-~~DR~~ WA-016	11.0	6 oz		
~~OU1-06-CC-~~				

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 1 Fishing Run No.: 20 Date: 8/18/06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: _____ Weather: _____

Collector(s): [illegible]

GPS Location: Start 44 ° 11 . 41 End 44 ° 11 . 49
88 27 53 88 27 51

Time (24hr): Start 2150 End 2204 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336 497 [illegible]

Water Depth

Minimum: 2 Maximum: 6 Mean: 4

Substrate
(silt) sand, gravel, (rip rap), organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: 1

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU1 - Fishing Run No.: 20 Date: 8-18-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU1-06-WS-019	17.0	1.1 lb		←

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU1 Fishing Run No.: 21 Date: 9-8-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: _____

Collector(s): Mor, CAM, AJW

GPS Location: Start 44 ° 12 . 18 End 44 ° 12 . 22
88 ° 28 . 13 88 ° 28 . 04

Time (24hr): Start 7:50 End 8:15 Shock Distance (0.01 mi): _____
Date 9-8-06 Date 9-8-06

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: 1 White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU1 Fishing Run No.: 21 Date: 9/8/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU1-06-WA-017	10.25	0 lb 5 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU 1 Fishing Run No.: 22 Date: 9-8-06

Gear Type: Electrofishing Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 65°F, Partly Cloudy, SW wind 5mph

Collector(s): MOL, AJW, CAM

GPS Location: Start 44 ° 12 . 13 End 44 ° 12 . 04
_____ ° _____ . _____ 88 ° 27 . 55

Time (24hr): Start 9:25 End 9:00 Shock Distance (0.01 mi): _____
Date_____ Date_____

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: 1 White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 3 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU1 Fishing Run No.: 22 Date: 9/8/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU1-06-CA-031	19.5	2 lb 7 oz		
OU1-06-CA-032	16.5	1 lb 5 oz		
OU1-06-CA-033	18.75	2 lb 10 oz		
OU1-06-WA-018	10.5	0 lb 3 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 1 Fishing Run No.: 23 Date: 9-8-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 70°F, Sunny, SE wind 10 mph

Collector(s): NR, ATW, Cam

GPS Location: Start 44 ° 11 . 24 End 44 ° 11 . 24
88 ° 27 . 55 88 ° 28 . 25

Time (24hr): Start 9:10 End 9:50 Shock Distance (0.01 mi): _____
Date_____ Date_____

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU1 Fishing Run No.: 23 (AW) Date: 8/8/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU1-06-CA-034	19.75	3 lb 5 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 1 Fishing Run No.: 24 Date: 9-8-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: _____

Collector(s): GWH, MOL, Rick Fox

GPS Location: Start 44 ° 11 . 39 / 88 ° 29 . 21 End 44 ° 12 . 02 / 88 ° 28 . 19

Time (24hr): Start 10:05 Date 9-6-06 End 10:45 Date 9-6-06 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504

Water Depth

Minimum: 2 Maximum: 4 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Rip Rap = Tree line stone line

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 041 **Fishing Run No.:** 24 **Date:** 9/8/84 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
041-00-CA-035	19.75	3 lb 4 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU1 Fishing Run No.: 25 Date: 9-8-06

Gear Type: electro fish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: _____

Collector(s): MDL, GWH, Rick Fox

GPS Location: Start 44 ° 12 . 05 End 44 ° 12 . 17
88 ° 28 . 21 88 ° 28 . 13

Time (24hr): Start 11:05 End 11:20 Shock Distance (0.01 mi): _____
Date 9-6-06 Date 9-6-06

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 1 Maximum: 3 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 2 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU1 Fishing Run No.: ~~24~~ 25 (AM) Date: 9-8-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
~~OU1-06-CA-036~~ (AM)				
OU1-06-CA-~~037~~ 036	13.75 ~~13.25~~	1 lb 4 oz		
OU1-06-CA-037	18	2 lb 1 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU1 Fishing Run No.: 26 Date: 9-8-06

Gear Type: Sein net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 75%, Cloudy, westwind 5mph

Collector(s): MOL, JMS, AJW, CAM, BH

GPS Location: Start 44 ° 13 . 50 End ___ ° ___ . ___
88 ° 27 . 28 ___ ° ___ . ___

Time (24hr): Start 12:15 End 12:45 Shock Distance (0.01 mi): —
Date ___ Date ___

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 2 Maximum: 3 Mean: ___

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: ___ White Sucker: ___

Drum: ___ Bass (smallmouth): ___

Channel Cats: ___ Bass (white): ___

Carp: ___ Emerald Shiner: ___

Gizzard Shad: 1 Other: ___

TWO SEIN Efforts Were made in this AREA

Signature ___

Printed Name ___

44 . 14 - 48
-4 - 25 - 23
1115

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: OU1 Fishing Run No.: 26 Date: 9-8-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
~~OU1-06-GS-008~~				
OU1-06-GS-008	–	– lb oz		1 @ < 3"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU1 Fishing Run No.: 27 Date: 9-8-05

Gear Type: SEIN Net Bank sampled (as looking upstream): R L

Water Level: NORMAL Weather: _____

Collector(s): MOL, JMS, AJW, CAM, BH

GPS Location: Start 44 ° 14 . 48 End ____ ° ____ . ____
88 ° 25 . 23 ____ ° ____ . ____

Time (24hr): Start 1:15 End 2:00 Shock Distance (0.01 mi): _____
Date 9-8-05 Date 9-8-05

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 3 Maximum: 4 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____ No fish

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

TWO SEIN Efforts were made in this Area

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU1 Fishing Run No.: 28 Date: 9/9/06

Gear Type: set line Bank sampled (as looking upstream): (R) L

Water Level: normal Weather: cloudy/overcast, N wind - high

Collector(s): AJW, CAM, JMS

GPS Location: Start 44 ° 12 . 18 End (POINT) ° - . -
88 ° 28 . 11 - ° - . -

Time (24hr): Start 1030 End 1140 Shock Distance (0.01 mi): (POINT)
Date 9/9/06 Date 9/10/06

Generator Output @ 60 pulse 25 Duty cycle Amps: - Volts: -

Water Depth

Minimum: 1 Maximum: 6 Mean: -

Substrate
(silt, sand, (gravel), rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
Just south of fishing bridge near first bridge caisson.

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: 1 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature Alicia Wick
Printed Name ALICIA WICK

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: OU1 **Fishing Run No.:** 28 **Date:** 9-10-06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU1-06-CC-003	16'	1 lb 0 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU1 Fishing Run No.: 29 Date: 9-10-06

Gear Type: setline Bank sampled (as looking upstream): R L (mid-channel)

Water Level: normal Weather: overcast, breezy

Collector(s): JMS, CAM, AJW

GPS Location: Start 44 ° 11 . 55 End (POINT°) 100' waterward/west of E bank
88 ° 26 . 48 ° .

Time (24hr): Start 11 30 End 1240 Shock Distance (0.01 mi) (POINT)
Date 9-9-06 Date 9-10-06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 3' Maximum: 4' Mean: —

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
≈ 500' downstream of Menasha Dam
just west of small gravel rock bar, perpendicular to flow.

Total Catch

Walleye:	0	White Sucker:	0
Drum:		Bass (smallmouth):	
Channel Cats:		Bass (white):	
Carp:		Emerald Shiner:	
Gizzard Shad:		Other:	

No fish.

Signature ALICIA WICK
Printed Name ALICIA WICK

FIELD SAMPLING FORMS

OU2A

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: 1 Date: 8-19-06

Gear Type: Fyke net Bank sampled (as looking upstream): R (L)

Water Level: normal Weather: cloudy N wind 15

Collector(s): WSY YHC TMK

GPS Location: Start 44 ° 11 : 50 End ____ ° ____ . ____
88 ° 27 . 54 ____ ° ____ . ____

Time (24hr): Start 1230 End ____ Shock Distance (0.01 mi): ____
Date 8-19-06 Date 8-20-06

Generator Output @ 60 pulse 25 Duty cycle Amps: ____ Volts: ____

Water Depth

Minimum: 2 Maximum: 5 Mean: 3

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: ____ White Sucker: ____

Drum: ____ Bass (smallmouth): ____

Channel Cats: ____ Bass (white): ____

Carp: ____ Emerald Shiner: ____

Gizzard Shad: ____ Other: ____

No fish

Signature [signature]
Printed Name Paul Schlenger

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: 2 Date: 8-19-06

Gear Type: ElectroFisher Bank sampled (as looking upstream): R (L)

Water Level: normal Weather: cloudy N wind 15

Collector(s): WSK PAS MCK

GPS Location: Start 44 ° 15 . 41 End 44 ° 15 . 41
88 ° 23 . 18 88 ° 23 . 18

Time (24hr): Start 1235 End 1320 Shock Distance (0.01 mi): 0.7
Date 8-19-06 Date 8-19-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336

Water Depth

Minimum: 2 Maximum: 6 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye:	0	White Sucker:	0
Drum:	12	Bass (smallmouth):	0
Channel Cats:	0	Bass (white):	0
Carp:	24	Emerald Shiner:	1
Gizzard Shad:	0	Other:	

Signature [signature]
Printed Name Paul Schlenger

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2A Fishing Run No.: 2 Date: 8/19/06 Page 1 of 3

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2A-06-CA-001	19.5	3lb 9oz		—
OU2A-06-CA-002	20.0	3lb 11oz		—
OU2A-06-CA-003	20.0	3lb 11oz		—
OU2A-06-CA-004	19.5	3 lb 7 oz		—
OU2A-06-CA-005	20.5	4 lb 7 oz		—
OU2A-06-CA-006	19.5	3 lb 12 oz		—
OU2A-06-CA-007	19.5	3 lb 8 oz		—
OU2A-06-CA-008	21.0	4 lb 6 oz		—
OU2A-06-CA-009	19.75	3 lb 7 oz		—
OU2A-06-CA-010	20.0	3 lb 15 oz		—
OU2A-06-CA-011	19.0	2 lb 11 oz		—
OU2A-06-CA-012	21.0	3 lb 13 oz		—
OU2A-06-CA-013	21.5	4 lb 3 oz		—
OU2A-06-CA-014	21.5	3 lb 10 oz		—
OU2A-06-CA-015	20.5	4 lb 7 oz		—
OU2A-06-CA-016	21.5	4 lb 13 oz		—
OU2A-06-CA-017	20.5	4 lb 5 oz		—
OU2A-06-CA-018	20.5	3 lb 10 oz		—

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

8/19/06 (PTS)

OU Location: OU2A Fishing Run No.: 2 Date: ~~8/15/06~~ Page 2 of 3

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2A-06-CA-019	20.25	3 lb 12 oz		—
OU2A-06-CA-020	19.75	3 lb 11 oz		—
OU2A-06-CA-021	21.25	4 lb 5 oz		—
OU2A-06-CA-022	19.0	3 lb 1 oz		—
OU2A-06-CA-023	19.5	3 lb 9 oz		—
OU2A-06-CA-024	19.75	3 lb 9 oz		—
OU2A-06-DR-001	13.75	0 lb 10 oz		—
OU2A-06-DR-002	12.0	5 oz		—
OU2A-06-DR-003	13.75	9 oz		—
OU2A-06-DR-004	10.75	3 oz		—
OU2A-06-DR-005	13.0 (PTS)	8 oz		—
OU2A-06-DR-006	15.25	1 lb 0 oz		—
OU2A-06-DR-007	12.25	6 oz		—
OU2A-06-DR-008	12.75	8 oz		—
OU2A-06-DR-009	13.75	9 oz		—
OU2A-06-DR-010	12.75	6 oz		—
OU2A-06-DR-011	16.0	1 lb 8 oz		—
OU2A-06-DR-012	16.5	1 lb 10 oz		tumor on right side behind eye and dorsal fin

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2A **Fishing Run No.:** 2 **Date:** 8/19/06 **Page** 3 **of** 3

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2A-06-ES-001	3.25	<0.1 oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: 3 Date: 8-19-08

Gear Type: Electro Fishing Bank sampled (as looking upstream): R L - [illegible]

Water Level: Normal Weather: _____

Collector(s): [illegible] PAS [illegible]

GPS Location: Start 44 ° 15 . 56 End 44 ° 15 . 57
88 ° 22 . 54 88 ° 22 . 49

Time (24hr): Start 1340 End 1348 Shock Distance (0.01 mi): 0.2
Date_____ Date_____

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336 269 [illegible]

Water Depth

Minimum: 6 Maximum: 10 Mean: 8

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No Fish

Signature [signature]
Printed Name Paul Schlenger

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: 4 Date: 8-19-06

Gear Type: Electrofisher Bank sampled (as looking upstream): R (L)

Water Level: normal Weather: [illegible] wind N 20

Collector(s): [illegible]

GPS Location: Start 44 ° 15 . 57 End 44 ° 16 . 11
88 ° 22 . 49 88 ° 22 . 04

Time (24hr): Start 1351 End 1500 Shock Distance (0.01 mi): 1.0
Date 8-19-06 Date 8-19-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336 1529 sec

Water Depth

Minimum: 2 Maximum: 6 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

cobble

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: 6 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 4 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name Walter Klock.

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2A **Fishing Run No.:** 4 **Date:** 8/19/06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2A-06-CA-025	19.5	3lb 10oz		
OU2A-06-CA-026	20.0	3lb 10oz		
OU2A-06-CA-027	18.5	2lb 10oz		
OU2A-06-CA-028	19.0	2lb 2oz		
OU2A-06-DR-013	16.75	1lb 10oz		
OU2A-06-DR-014	16.25	1lb 9oz		
OU2A-06-DR-015	19.0	2lb 7oz		
OU2A-06-DR-016	16.0	1lb 5oz		
OU2A-06-DR-017	17.25	1lb 12oz		
OU2A-06-DR-018	12.75	6oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: 5 Date: 8-19-06

Gear Type: Electro Fishing Bank sampled (as looking upstream): (R) L

Water Level: normal Weather: Partly cloudy - wind N 20

Collector(s): WSK MOL JMK

GPS Location: Start 44 ° 16 . 49 End 44 ° 16 . 48
88 ° 20 . 06 88 ° 20 . 00

Time (24hr): Start 1538 End 1600 Shock Distance (0.01 mi): 0.2 627 STC
Date 8-19-06 Date 8-19-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336

Water Depth

Minimum: 3 Maximum: 10 Mean: 6

Substrate
(silt, sand, gravel, (rip rap), organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Rip Rap leading to lock

Total Catch

Walleye:	0	White Sucker:	0
Drum:	1	Bass (smallmouth):	2
Channel Cats:	0	Bass (white):	0
Carp:	1	Emerald Shiner:	0
Gizzard Shad:		Other:	

Signature [signature]
Printed Name Wm K Lock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2A **Fishing Run No.:** 5 **Date:** 8/18/06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2A-06-DR-019	18.0	2 lbs 8 oz		
OU2A-06-SB-001	11.75	15 oz		
OU2A-06-SB-002	12.0	15 oz		
OU2A-06-CA-029	19.5	2 lb 14 oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2 Fishing Run No.: 6 Date: 8/~~18~~ 19/06

Gear Type: Electro Fishing Bank sampled (as looking upstream): R (L)

Water Level: Normal Weather: Partly Cloudy NW 15 mph

Collector(s): WSK MOL OMK

GPS Location: Start 44 ° 16 . 35 End 44 ° 16 . 34
~~88~~ 88 ° 20 . 40 88 ° 20 . 55

Time (24hr): Start 1615 End 1645 Shock Distance (0.01 mi): 0.6

Date ~~8/18~~/06 19 Date ~~8/18~~/06 19

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 335 803 sec.

Water Depth

Minimum: 2 Maximum: 8 Mean: 5

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

cobbles boulders

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

0 Target species

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: 7 Date: 8/18/06 1940

Gear Type: FgK7 Bank sampled (as looking upstream): R (L)

Water Level: Normal Weather: Partly / cloudy wind NW 15

Collector(s): WOK

GPS Location: Start 44 ° 16 . 34 End ____ ° ____ . ____
88 ° 20 . 55 ____ ° ____ . ____

Time (24hr): Start 1200 End 930 Shock Distance (0.01 mi): —
Date 8-19-06 Date 8-20-06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 2 Maximum: 6 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: ____ White Sucker: ____

Drum: ____ Bass (smallmouth): ____

Channel Cats: ____ Bass (white): ____

Carp: ____ Emerald Shiner: ____

Gizzard Shad: ____ Other: ____

No fish

Signature ____

Printed Name ____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2-A Fishing Run No.: 8 Date: 8/20/06

Gear Type: Electrofisher Bank sampled (as looking upstream): R L

Water Level: normal Weather: clear NW 5

Collector(s): [illegible]

GPS Location: Start 44 ° 15 . 38 End 44 ° 15 . 45
88 ° 23 . 20 88 ° 23 . 18

Time (24hr): Start 904 End 1011 Shock Distance (0.01 mi): 1.5 m
Date_____ Date_____

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336 2533

Water Depth

Minimum: 2 Maximum: 6 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

cobble boulder

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Flow from Dam Brick pilings

Total Catch

Walleye: 11 White Sucker: _____

Drum: 12 Bass (smallmouth): 5

Channel Cats: 1 Bass (white): _____

Carp: 4 Emerald Shiner: 8

Gizzard Shad: _____ Other: _____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU2A Fishing Run No.: 8 Date: 8/20/06 Page 1 of 3

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2A-06-CA-030	19.0	5 lb 2 oz		
OU2A-06-CA-031	19.5	3 lb 2 oz		
OU2A-06-CA-032	19.5	3 lb 10 oz		
OU2A-06-CA-033	19.25	3 lb 4 oz		
OU2A-06-ES-002	3.5	1 oz		
OU2A-06-ES-003	4.0	1 oz		
OU2A-06-ES-004	4.0	1 oz		
OU2A-06-ES-005	4.0	1 oz		
OU2A-06-CC-001	22.0	4 lb 4 oz		scar on top of body
OU2A-06-SB-003	15.0	2 lb		
OU2A-06-SB-004	15.5	2 lb 1 oz		
OU2A-06-SB-005	16.0	2 lb 11 oz		Growth above the right Gill
OU2A-06-SB-006	13.5	1 lb 12 oz		
OU2A-06-SB-007	12.0	15 oz		
OU2A-06-DR-020	13.0	14 oz		
OU2A-06-DR-021	14.0	1 lb 3 oz		
OU2A-06-DR-022	12.5	14 oz		
OU2A-06-DR-023	15.0	1 lb 3 oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU2A **Fishing Run No.:** 8 **Date:** 8/20/06 **Page** 2 **of** 3

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2A-06-DR-025	12.5	13 oz		
OU2A-06-DR-026	12.75	15 oz		
OU2A-06-DR-027	14.5	1 lb 6 oz		
OU2A-06-DR-028	12.5	15 oz		
OU2A-06-DR-029	11.5	13 oz		
OU2A-06-DR-030	14.5	1 lb 7 oz		
OU2A-06-DR-031	15.25	1 lb 8 oz		
OU2A-06-DR-032	11.0	9 oz		
OU2A-06-WA-001	15.5	1 lb 8 oz		curved tail
OU2A-06-WA-002	17.0	1 lb 9 oz		
OU2A-06-WA-003	11.75	7 oz		
OU2A-06-WA-004	18.75	2 lb 6 oz		
OU2A-06-WA-005	15.5	1 lb 1 oz		
OU2A-06-WA-006	16.5	1 lb 9 oz		
OU2A-06-WA-007	18.0	2 lb 5 oz		
OU2A-06-WA-008	17.5	1 lb 12 oz		
OU2A-06-WA-009	12.5	13 oz		
OU2A-06-WA-010	15.5	1 lb 4 oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU2A Fishing Run No.: 8 Date: 8/20/06 Page 3 of 3

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2A-06-WA-011	10.5	7 oz		
OU2A-06-ES-006	3.75	1 oz		
OU2A-06-ES-007	3.75	1 oz		
OU2A-06-ES-008	4.0	1 oz		
OU2A-06-ES-009	4.0	1 oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: 9 Date: 8-20-06

Gear Type: Electro Fishing Bank sampled (as looking upstream): R (L)

Water Level: normal Weather: clear wind NW 5

Collector(s): WK SMK PAS

GPS Location: Start 45 ° 15 . 38 End 45 ° 15 . 61
88 ° 23 . 20 88 ° 23 . 03

Time (24hr): Start 1035 End 1114 Shock Distance (0.01 mi): 0.7
Date 8-20-06 Date 8-20-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336

Water Depth

Minimum: 2 Maximum: 6 Mean: 5

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): 2

Channel Cats: 2 Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: 2 Other: _____

Signature [signature]
Printed Name Walter Kloc

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU2A Fishing Run No.: 9 Date: 8/20/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2A-06-CA-034	18.0	2 lb 7 oz		curved tail
OU2A-06-SB-008	11.75	13 oz		
OU2A-06-SB-009	11.50	14 oz		
OU2A-06-CC-002	13.0	12 oz		
OU2A-06-CC-003	21.0	2 lb 8 oz		under mouth has large flesh wound
OU2A-06-GS-001		1 oz		(2) GS

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: 10 Date: 8/20/06

Gear Type: Electrofisher Bank sampled (as looking upstream): R L - 441 bridge

Water Level: normal Weather: clear

Collector(s):

GPS Location: Start 44 ° 15' 51" End 44 ° 16' 33"
088 ° 21' 17" 88 ° 21' 16"

NOTE: ALL GPS DD MMS! not DD MM.!

Time (24hr): Start 1235 End 1300 Shock Distance (0.01 mi): 0.5
Date Date

Generator Output @ 60 pulse 25 Duty cycle Amps: C Volts: 336

Water Depth

Minimum: 4 Maximum: 6 Mean: 5

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

C

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Bridge fish abutments

Total Catch

Walleye: 2 White Sucker:

Drum: 3 Bass (smallmouth):

Channel Cats: Bass (white):

Carp: Emerald Shiner:

Gizzard Shad: Other:

Signature [signature]
Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU2A Fishing Run No.: 10 Date: 8/20/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2A-06 DR-033	20.0	5 lb		
OU2A-06-DR-034	18.75	3 lb 10 oz		
OU2A-06-DR-035	17.0	2 lb 5 oz		
OU2A-06-WA 012	11.75	10 oz		
OU2A-06-WA-013	10.5	8 oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: 11 Date: 8/20/06

Gear Type: Electrofisher Bank sampled (as looking upstream): (R) L

Water Level: Normal Weather: [illegible]

Collector(s): WEK JMK PAS

GPS Location: Start 44° 15 . 36 End 44° 15' . 43 STC
88° 23 . 27 88° 23' . 15 STC

Time (24hr): Start 1352 End 1421 Shock Distance (0.01 mi): 0.5
Date 8/20/06 Date 8/20/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336 2148

Water Depth

Minimum: 2 Maximum: 6 Mean: 3

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

cobble Boulder

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Bridge abutments - Flow from dam

Total Catch

Walleye: 1 White Sucker: _____

Drum: _____ Bass (smallmouth): 4

Channel Cats: 3 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: 1 Other: _____

Signature [signature]

Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU2A Fishing Run No.: 11 Date: 8/20/02 Page 6 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2A-06-WA-014	14.25	14 oz		
OU2A ~~OU2A-06-WA-015~~				
OU2A-06-CC-004	21.50	3 lb 8 oz		
OU2A-06-CC-005	16.0	1 lb 4 oz		
OU2A-06-CC-006	18.5	1 lb 14 oz		
OU2A-06-SB-010	15.0	1 lb 15 oz		
OU2A-06-SB-011	14.0	1 lb 13 oz		
OU2A-06-SB-012	12.5	1 lb 3 oz		
OU2A-06-SB-013	12.0	1 lb		
OU2A-06-GS-002	3.5	1 oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 8A Fishing Run No.: 12 Date: 8-21-06

Gear Type: Electro Fishing Bank sampled (as looking upstream): (R) L

Water Level: Normal Weather: cloudy

Collector(s): WSK TJS PAS

GPS Location: Start 44 ° 15 . 39 End 44 ° 15 . 45
88 ° 23 . 20 88 ° 23 . 17

Time (24hr): Start 0730 End 0840 Shock Distance (0.01 mi): 1.0
Date 8-21-06 Date 8-21-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336

Water Depth

Minimum: 2 Maximum: 6 Mean: 5

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
Flow from dam - Bridge abutments

Total Catch

Walleye:	7	White Sucker:	0
Drum:	1	Bass (smallmouth):	6
Channel Cats:	4	Bass (white):	0
Carp:	3	Emerald Shiner:	10
Gizzard Shad:	3	Other:	

Signature [signature]
Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2A Fishing Run No.: 12 Date: 8/21/06 Page 1 of 2

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2A-06-CA-035	19	2 lbs 9 oz		
OU2A-06-CA-036	19.5	2 lb 14 oz		
OU2A-06-CA-037	18.25	2 lbs 6 oz		
OU2A-06-DR-036	19.5	3 lb 5 oz		
OU2A-06-CC-007	21.25	3 lb 4 oz		
OU2A-06-CC-008	23.5	3 lb 14 oz		
OU2A-06-CC-009	18.5	1 lb 14 oz		
OU2A-06-CC-010	18.25	1 lb 13 oz		
OU2A-06-SB-014	18.0	3 lb 3 oz		
OU2A-06-SB-015	13.25	1 lb 4 oz		
OU2A-06-SB-016	10.75	10 oz		
OU2A-06-SB-017	10.75	10 oz		
OU2A-06-SB-018	12.25	14 oz		
OU2A-06-SB-019	11.25	11 oz		damage rear lip - skin erosion
OU2A-06-WA-015	19.5	2 lb 2 oz		
OU2A-06-WA-016	20.0	2 lb 2 oz		
OU2A-06-WA-017	19.5	1 lb 14 oz		
OU2A-06-WA-018	18.5	1 lb 12 oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2A Fishing Run No.: 12 Date: 8/21/06 Page 2 of 2

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2A-06-WA-019	17.0	1lb 9oz		
OU2A-06-WA-020	12.5	1 oz		
OU2A-06-WA-021	14.5	1 oz		
OU2A-06-GS-003	all 3.5	<0.1		3 size shad
OU2A-06-ES-010	3-4	<0.1		10 in bag

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2V Fishing Run No.: 13 Date: 8/20-21/06

Gear Type: Fyke Net Bank sampled (as looking upstream): R (L)

Water Level: Normal Weather: Clear

Collector(s):

GPS Location: Start 44 ° 15 . 45 End [illegible] ° [illegible] . 45
88 ° 22 . 13 88 ° 22 . [illegible]

Time (24hr): Start 1515 End 0900 Shock Distance (0.01 mi): —
Date 8-20-06 Date 8-21-06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 1 Maximum: 4 Mean: 3

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: White Sucker:

Drum: Bass (smallmouth):

Channel Cats: Bass (white):

Carp: Emerald Shiner:

Gizzard Shad: Other:

NO Target Species

Signature [signature]
Printed Name Walton Kloet

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: 14 Date: 8/20-21/06

Gear Type: Fyke Net Bank sampled (as looking upstream): R (L)

Water Level: normal Weather: clear - wind NW 10

Collector(s): WSK PS

GPS Location: Start 44° 15.45 End 44° 15.45
88° 23.13 88° 23.13

Time (24hr): Start 1520 End 937 Shock Distance (0.01 mi): –
Date 8-20-06 Date 8-21-06

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

NO TARGET SPECIES

Signature [signature]

Printed Name WALTER KLOCK

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: 15 Date: 8/21/06

Gear Type: Elec Fisher Bank sampled (as looking upstream): (R) (L)

Water Level: _____ Weather: _____

Collector(s): WOK NMG

GPS Location: Start 44 ° 16 . 34 End 44 ° 16 . 38
88 ° 21 . 17 88 ° 21 . 17

Time (24hr): Start 1000h End 1006 Shock Distance (0.01 mi): 0.1
Date_____ Date_____

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336 3325

Water Depth

Minimum: 2 Maximum: 6 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

RT 441 Bridge

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

NO Target species

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: 16 Date: 8/21/06

Gear Type: Electro Fisher Bank sampled (as looking upstream): R L

Water Level: Normal Weather: clear wind S 15

Collector(s): WOK NAG T.

GPS Location: Start 44° 16 . 07 End 44° 16 . 10
88° 22 . 19 88° 22 . 09

Time (24hr): Start 1020 End 1037 Shock Distance (0.01 mi): 0.5
Date_____ Date_____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 2 Maximum: 6 Mean: 3

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
Downed Trees Docks

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: 1 Other: _____

Signature [signature]
Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU2A Fishing Run No.: 16 Date: 8/21/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2A-06-GS-004	3 in	<0.1		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: 17 Date: 8/21/06

Gear Type: Elec Fishing Bank sampled (as looking upstream): R L

Water Level: normal Weather: clear wind S 15

Collector(s): WOY NM

GPS Location: Start 44° 16.41 88° 23.23 End 44° 15.44 88° 23.14

Time (24hr): Start 1055 Date 8/21/06 End 1214 Date 8/21/06 Shock Distance (0.01 mi): 1.5

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 336 4,646 sec

Water Depth

Minimum: 1 Maximum: 8 Mean: 6

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Bridge abutments Flow From Dam

Total Catch

Walleye: White Sucker:

Drum: Bass (smallmouth): 3

Channel Cats: 3 Bass (white):

Carp: Emerald Shiner: 8

Gizzard Shad: 3 Other:

Signature

Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2A Fishing Run No.: 17 Date: 8/23/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2A-06-GS-005	3.5 3.25 2.25	<0.1		3 fish between 2.25 and 3.5 each
OU2A-06-ES-011	3.5-4.5	<0.1		6 fish between 3.5 and 4.5 inches
OU2A-06-ES-012	2.25 2.25	<0.1		2 fish
OU2A-06-CC-011	19.0	2 lb 15 oz		ulcer near anus
OU2A-06-CC-012	22.0	4 lb 3 oz		
OU2A-06-CC-013	21.25	3 lb 7 oz		
OU2A-06-SB-020	14.5	1 lb 10 oz		
OU2A-06-SB-021	15.75	2 lb 1 oz		
OU2A-06-SB-022	14.25	1 lb 10 oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: 16 Date: 8/21/06

Gear Type: Electro Fisher Bank sampled (as looking upstream): (R L)

Water Level: normal Weather: Partly Cloudy

Collector(s): WSK NM

GPS Location: Start 44° 15.34 End 45° 15.39
88° 23.28 88° 23.19

Time (24hr): Start 1747 End 1844 Shock Distance (0.01 mi): 0.5
Date 8-21-06 Date 8-21-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 5 14.98 STC

Water Depth

Minimum: 2 Maximum: 6 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Flow below dam Bridge abutments

Total Catch

Walleye: White Sucker:

Drum: Bass (smallmouth):

Channel Cats: 1 Bass (white):

Carp: Emerald Shiner: 2

Gizzard Shad: 4 Other:

Signature

Printed Name Walter Klecka

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: 2A Fishing Run No.: 18 Date: 8/21/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2A-06 - CC-014	14.0	12 oz		
OU2A-06 - ES-013	4.0 4.0	<0.1		2 fish both 4 inches
OU2A-06 - GS-006	2.0 2.0 2.0 4.5	<0.1		4 fish

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: 19 Date: 8/21/06

Gear Type: Electrofishing Bank sampled (as looking upstream): R (L)

Water Level: Normal Weather: Clear wind S 13

Collector(s): WOK NMG TJS

GPS Location: Start 44 ° 16 . 40 End 44 ° 16 . 48
88 ° 20 . 45 88 ° 19 . 59

Time (24hr): Start 1445 End 1535 Shock Distance (0.01 mi): 1.0
Date_____ Date_____

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 506 Seconds 1900

Water Depth

Minimum: 2 Maximum: 10 Mean: 6

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish 0

Signature [signature]
Printed Name Walter Klack

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: 20 Date: 8/21/06

Gear Type: E Fisher Bank sampled (as looking upstream): (R L)

Water Level: normal Weather: clear S wind 15

Collector(s): WK NMG TJS

GPS Location: Start 44° 15. 38 End 44° 15. 45
88° 23. 26 88° 23. 15

Time (24hr): Start 1600 End 1615 Shock Distance (0.01 mi): 0.5
Date 8/21/06 Date 8/21/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 502 Seconds 2200

Water Depth

Minimum: 2 Maximum: 5 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
Bridge abutments flow from dam

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: 1 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: 2 Other: _____

Signature [signature]
Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: 2A Fishing Run No.: 20 Date: 8-21-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2A-06-CC-015	18.5	1 lb 11 oz		—
OU2A-06-GS-007	2.75"			(2) 2 3/4"

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU2A Fishing Run No.: 21 Date: 9-10-06

Gear Type: SET LINE Bank sampled (as looking upstream): R L

Water Level: NORMAL Weather: 60°F, Cloudy, EAST WIND 10mph

Collector(s) AJW, CAM, MOL, JMS

GPS Location: Start 44 ° 15 . 37 End (PRINT) ° — . —
88 ° 23 . 27 — ° —

Time (24hr): Start 1:20 End 1140 Shock Distance (0.01 mi): — POINT
Date 9-10-06 Date 9-11-06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 4 Maximum: 5 Mean: —

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
Below Dam - North Shore

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: 2 | 1 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

1 catfish caught & released - to large

Signature [signature]

Printed Name ALI WICK

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU2A **Fishing Run No.:** _____ **Date:** 9-11-06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2A-06-CC-P16	16.75	1 lb 3 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU2A Fishing Run No.: 22 Date: 9-10-06

Gear Type: SET LINE Bank sampled (as looking upstream): R L

Water Level: NORMAL Weather: 60°F, Cloudy, Breezy, 10mph East wind

Collector(s): AJW, JMS, NOL CAM

GPS Location: Start 44 ° 15 . 37 End — ° — . —
88 ° 23 . 19 — ° — . —

Time (24hr): Start 1410 End 1150 Shock Distance (0.01 mi): —
Date 9-10-06 Date 9-11-06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 3 Maximum: 8 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
Below Dam - South Shore

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: 1 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

1 catfish caught & released - to large

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2A **Fishing Run No.:** 22 **Date:** 9-10-06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
~~OU2A 06 CC-~~				
OU2A 06 CC-017	16.75 ~~16.75~~	1 lb 7.3 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: 23 Date: 9-11-06

Gear Type: Seine Net Bank sampled (as looking upstream): (R) L

Water Level: Normal Weather: 58°F, Rainy, Breezy. NE wind

Collector(s): AJW, JMS, CAM

GPS Location: Start 44 ° 15 . 37 End ___ ° ___ . ___
88 ° 23 . 19 ___ ° ___ . ___

Time (24hr): Start 1330 End Point Shock Distance (0.01 mi): —
Date 9-11-06 Date ___

Generator Output @ 60 pulse 25 Duty cycle Amps: ___ Volts: ___

Water Depth

Minimum: 3 Maximum: 8 Mean: ___

Substrate
(silt, sand, (gravel), rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

shoreline small channel just south of dam.

Total Catch

Walleye: ___ White Sucker: ___

Drum: ___ Bass (smallmouth): ___

Channel Cats: ___ Bass (white): ___

Carp: ___ Emerald Shiner: ___

Gizzard Shad: ___ Other: ___

No fish

Signature [signature]

Printed Name Jason Smith

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: 24 Date: 9-11-06

Gear Type: Seine Net Bank sampled (as looking upstream): (R) L

Water Level: Normal Weather: 50°F Rain, Breezy, NE wind

Collector(s): JMS, AJW, CAM

GPS Location: Start 44 ° 15 . 58 End — ° — . —
88 ° 23 . 05 — ° — . —

Time (24hr): Start 1400 End Point Shock Distance (0.01 mi): —
Date 9-11-06 Date

Generator Output @ 60 pulse 25 Duty cycle Amps: ____ Volts: ____

Water Depth

Minimum: 2 Maximum: 10 Mean: ____

Substrate
(silt, sand, (gravel), rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
Shoreline of park R bank, near large stormwater outfalls.

Total Catch

Walleye: ____ White Sucker: ____

Drum: ____ Bass (smallmouth): ____

Channel Cats: ____ Bass (white): ____

Carp: ____ Emerald Shiner: ____

Gizzard Shad: 3 Other: ____

Signature ____

Printed Name ____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2A Fishing Run No.: 2A Date: 9-11-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2A-06-GS-008	~~<2"~~ <3"	lb oz		(3)@ ~~<2"~~ <3"
	<3"	lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: ~~24~~ 25 Date: 9-11-06

Gear Type: Seine Net Bank sampled (as looking upstream) (R) L

Water Level: normal Weather: 50° Rain, wind NE

Collector(s): JMS, CAM, AJW

GPS Location: Start 44 ° 16 . 05 End — . —
88 ° 22 . 16 — ° — . —

Time (24hr): Start 1410 End Point Shock Distance (0.01 mi): —
Date 9-11-06 Date

Generator Output @ 60 pulse 25 Duty cycle Amps: ____ Volts: ____

Water Depth

Minimum: 2 Maximum: ~~3~~ 4 Mean: ____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
near Sewage plant clay riprap shore

Total Catch

Walleye: ____ White Sucker: ____

Drum: ____ Bass (smallmouth): ____

Channel Cats: ____ Bass (white): ____

Carp: ____ Emerald Shiner: ____

Gizzard Shad: ____ Other: ____

No fish

Signature ____

Printed Name ____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: 2le Date: 9-11-06

Gear Type: Seine net Bank sampled (as looking upstream): (R) L

Water Level: normal Weather: 58° Rain wind NE wind

Collector(s): JMS, CAM, AJW

GPS Location: Start 44 ° 16 . 48 End ___ ° ___ . ___
88 ° 20 . 02 ___ ° ___ . ___

Time (24hr): Start 1425 End Point Shock Distance (0.01 mi): ___
Date 9-11-06 Date ___

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: ___

Water Depth

Minimum: 2 Maximum: 8 Mean: ___

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
near ~~[illegible]~~ rip rap wall of back channel

Total Catch

Walleye: ___ White Sucker: ___

Drum: ___ Bass (smallmouth): ___

Channel Cats: ___ Bass (white): ___

Carp: ___ Emerald Shiner: ___

Gizzard Shad: ___ Other: ___

No fish

Signature ___

Printed Name Jason Simon

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2A Fishing Run No.: 27 Date: 9-11-06

Gear Type: Seine Net Bank sampled (as looking upstream): R (L)

Water Level: normal Weather: 58° Rain, wind NE wind

Collector(s): JMS, AJW, CAM

GPS Location: Start 44 ° 15 . 58 End — ° — . —
88 ° 23 . 05 — ° — . —

Time (24hr): Start 1500 End Point Shock Distance (0.01 mi): _____
Date 9-11-06 Date _____

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 2 Maximum: 6 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
near warm water outfall of Papermill

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: 1 > 3" 18 < 3" Other: _____

Signature [signature]
Printed Name Jason Sims

FIELD SAMPLING FORMS

OU2B

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2B Fishing Run No.: 1 Date: 8-22-06

Gear Type: E-shock Bank sampled (as looking upstream): R L

Water Level: _____ Weather: Clear / light N wind / 70°F

Collector(s): TJS / WJK / PTS

GPS Location: Start 44° 16 . 46N End 44° 16 . 51N
088° 14 . 59W 088° 14 . 53W

Time (24hr): Start 0955 End 1110 Shock Distance (0.01 mi): 0.7
Date 8/22/06 Date 8/22/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504 (1992 seconds)

Water Depth

Minimum: 2 Maximum: 8 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

silt / sand / gravel

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

occassional submerged weed beds

Total Catch

Walleye:	6	White Sucker:	Ø
Drum:	5	Bass (smallmouth):	2
Channel Cats:	10	Bass (white):	Ø
Carp:	8	Emerald Shiner:	Ø
Gizzard Shad:	18	Other:	

Signature [signature]

Printed Name TIM STONE

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2B **Fishing Run No.:** 1 **Date:** 8/22/06 **Page** 1 **of** 3

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2B-06-CC-001	15	1 LB 2 oz		Pet. Spine was damage
OU2B-06-CC-002	22	3 lbs 9 oz		Pet. Spine damaged
OU2B-06-CC-003	19	1 lb 15 oz		
OU2B-06-CC-004	19.5	2 LBS 9 oz		
OU2B-06-CC-005	18	1 LB 12 oz		
OU2B-06-CC-006	17	1 LB 7 oz		
OU2B-06-CC-007	17.5	1 LB 8 oz		Skin Sore / Eater Away on top of head.
OU2B-06-CC-008	17.	1 LB 6 oz		
OU2B-06-CC-009	17	1 LB 7 oz		
OU2B-06-CC-010	14	13 oz		
OU2B-06-CC-011	17	1 LB 6 oz		
OU2B-06-CC-012	19	2 LB 1 oz		
OU2B-06-CC-013	15.5	1 lb 5 oz		
OU2B-06-CC-014	17	1 LB 8 oz		
OU2B-06-CC-015	17	1 LB 7 oz		
OU2B-06-CC-016	19.5	2 LB 6 oz		missing skin on tail
OU2B-06-DR-001	16	2		
OU2B-06-SB-001	12.5	1 LB 1 oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2B Fishing Run No.: 1 Date: 8/22/06 Page 2 of 3

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2B-06-SB-002	13	1 lb 6 oz		
OU2B-06-GS-001 } 1 bag		lb oz		(5) NMG ~~[illegible]~~ NMG ≈2.75 IN Long (18)
OU2B-06-BS-001 NMG		lb oz		(5) 4 - under 3" 1 - OVER 3" (18 fish)
OU2B-06-CA-001	20	3 lb 6 oz		
OU2B-06-CA-002	18	2 lb 13 oz		
OU2B-06-CA-003	19.75	2 lb 11 oz		
OU2B-06-CA-004	20	3 lb 12 oz		
OU2B-06-CA-005	19.25	2 lb 13 oz		
OU2B-06-CA-006	18	2 lb 6 oz		
OU2B-06-CA-007	18.5	2 lb 10 oz		
OU2B-06-CA-008	20	3 lb 4 oz		
OU2B-06-DR-002	18	2 lb 10 oz		
OU2B-06-DR-003	17	2 lb 2 oz		
OU2B-06-DR-004	15.25	1 lb 8 oz		
OU2B-06-DR-005	16	2 lb 0 oz		
OU2B-06-WA-001	17.5	1 lb 14 oz		tumor on L Gill
OU2B-06-WA-002	10.75	lb 8 oz		
OU2B-06-WA-003	10.75	lb 7 oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2B Fishing Run No.: 1 Date: 8/22/06 Page 3 of 3

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2B-06-WA-004	10.5	lb 7 oz		
OU2B-06-WA-005	11	lb 7 oz		
OU2B-06-WA-006	10.25	lb 6 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU2B Fishing Run No.: 2 Date: 8-22-06

Gear Type: Electro-fish Bank sampled (as looking upstream): R L

Water Level: 2-6' Weather: Mostly Sunny - West wind - light

Collector(s): MOL, TJS, WJK

GPS Location: Start 44 ° 16 . 53 End 44 ° 16 . 57
088 ° 14 . 49 88 ° 14 . 35

Time (24hr): Start 11:30 End 1:20p Shock Distance (0.01 mi): 1.5
Date 8-22-06 Date 8-22-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504 Second 2593

Water Depth

Minimum: 3 Maximum: 6 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: Ø White Sucker: Ø

Drum: 6 Bass (smallmouth): 3

Channel Cats: Ø Bass (white): Ø

Carp: 17 Emerald Shiner: Ø

Gizzard Shad: 3 Other: _____

Signature [signature]

Printed Name Nick GLANDER

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2B Fishing Run No.: 2 Date: 8/22/06 Page 1 of 2

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2B-06-CA-009	20	3LB 1 OZ		
OU2B-06-CA-010	19.75	3LB 8 OZ		
OU2B-06-CA-011	20	3 LB 3 OZ		
OU2B-06-CA-012	17.75	2LB 6 OZ		
OU2B-06-CA-013	18.5	2 LB 6 OZ		
OU2B-06-CA-014	19.5	3 LB 3 OZ		
OU2B-06-CA-015	17.75	2 LB 5 OZ		
OU2B-06-CA-016	16.5	2LB		
OU2B-06-CA-017	19.75	3LB 2 OZ		
OU2B-06-CA-018	19	3LB 1 OZ		
OU2B-06-CA019	19.5	3LB 2 OZ		
OU2B-06-CA-020	19.5	3LB 5 OZ		
OU2B-06-CA-021	18	2LB 7 OZ		
OU2B-06-CA-022	17	2LB 4 OZ		
OU2B-06-CA-023	20	3 LB 5 OZ		
OU2B-06-CA-024	19	2 LB 11 OZ		
OU2B-06-CA-025	18	2 LB 9 OZ		
OU2B-06-GB-003	14.5	1 lb 12 oz		Growth left rear fin

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2B Fishing Run No.: 2 Date: 8/22/06 Page 2 of 2

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2B-06-SB-004	15.5	2.0 lb 3.0 oz		
OU2B-06-SB-005	13.25	1.0 lb 7.0 oz		
OU2B-06-DR-006	18.0	2.0 lb 15.0 oz		
OU2B-06-DR-007	15.5	1.0 lb 12.0 oz		
OU2B-06-DR-008	18.25	2.0 lb 15.0 oz		
OU2B-06-DR-009	14.5	1.0 lb 5.0 oz		
OU2B-06-DR-010	12.5	lb 13.0 oz		
OU2B-06-DR-011	12.25	lb 10.0 oz		
OU2B-06-GS-002		lb 2.0 oz		(3) GS 3 fish
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU2B Fishing Run No.: 3 Date: 8-22-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: 6' Weather: Cloudy - west wind 10mph

Collector(s): TJS, MOL, PS

GPS Location: Start 44° 17 . 18 End 44° 16 . 59
88° 14 . 32 88° 14 . 46

Time (24hr): Start 2:10 End 3:05 Shock Distance (0.01 mi): .5 mile
Date 8-22-06 Date 8-22-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504 Seconds 1226

Water Depth

Minimum: 4 Maximum: 6 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Rip Rap Shoreline

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye:	Ø	White Sucker:	Ø
Drum:	Ø	Bass (smallmouth):	Ø
Channel Cats:	Ø	Bass (white):	Ø
Carp:	Ø	Emerald Shiner:	Ø
Gizzard Shad:	MSO 77	Other:	

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU2B Fishing Run No.: 3 Date: 8-22-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2B-06-GS-010		lb oz		25 under 3" } 77 fish
OU2B-06-GS-011		lb oz		25 under 3"
OU2B-06-GS-012		lb oz		27 over 3"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU2B Fishing Run No.: 4 Date: 8-22-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: 3 Weather: _____

Collector(s): TJS, MOL, PS

GPS Location: Start 44° 16.48 88° 14.50 End 44° 16.44 88° 14.55

Time (24hr): Start 3:15 End 3:50 Shock Distance (0.01 mi): _____

Date 8-22-06 Date 8-22-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 509 Seconds 283

Water Depth

Minimum: 2 Maximum: 4 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Shoreline

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU2B Fishing Run No.: 5 Date: 8-22-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: 5-6 Weather: _____

Collector(s): TJS, MOL, PS

GPS Location: Start 44 ° 16 . 50 End 44 ° 17 . 05
88 ° 15 . 04 88 ° 14 . 41

Time (24hr): Start 4:20 End 4:45 Shock Distance (0.01 mi): .25 mile
Date 8-22-06 Date 8-22-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504 Second 599

Water Depth

Minimum: 5 Maximum: 6 Mean: ~~[illegible]~~

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Rip Rap Shoreline

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: 1 White Sucker: Ø

Drum: Ø Bass (smallmouth): Ø

Channel Cats: Ø Bass (white): Ø

Carp: Ø Emerald Shiner: Ø

Gizzard Shad: ~~[illegible]~~ ~~(28)~~ 25 com Other: _____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2B Fishing Run No.: 5 Date: 8/22/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2B-06-GS-013		lb oz		(25) 25 under 3"
OU2B-06-WA-011	10"	lb 5 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: _____ Fishing Run No.: 6 Date: _____ → 8/23/06

Gear Type: _____ Bank sampled (as looking upstream): (R) L

Water Level: _____ Weather: _____

Collector(s): _____

GPS Location: Start N _____ ° _____ End W _____ ° _____

Time (24hr): Start _____ End _____ Shock Distance (0.01 mi): _____

Date _____ Date _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: Ø White Sucker: Ø

Drum: Ø Bass (smallmouth): 1

Channel Cats: Ø Bass (white): Ø

Carp: Ø Emerald Shiner: Ø

Gizzard Shad: Ø Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU2B Fishing Run No.: 6 Date: 8/22/06 Page 1 of 1

(fyke collected 8/23/06)

Sample ID (PCB)	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2B-06-SB-006	10.25	0 lb 8 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: _____ Fishing Run No.: 7 Date: _____

Gear Type: _____ Bank sampled (as looking upstream): R L

Water Level: _____ Weather: _____

Collector(s): JS PS

GPS Location: Start 44° 16' 54" x End ____° ____.____
88° 14' x 54" ____° ____.____

Time (24hr): Start _____ End _____ Shock Distance (0.01 mi): _____
Date _____ Date _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 3 Maximum: 6 Mean: 5

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: Ø White Sucker: Ø

Drum: Ø Bass (smallmouth): 2 (too small) discarded

Channel Cats: Ø Bass (white): Ø

Carp: Ø Emerald Shiner: Ø

Gizzard Shad: Ø Other: _____

_____

No fish

Signature [signature]

Printed Name [illegible]

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU 2 Fishing Run No.: 8 Date: 8-23-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: 2-4 Weather: _____

Collector(s): _____

GPS Location: Start 44 ° 16 . 50 End : ° .
88 ° 14 . 59 ° .

Time (24hr): Start 8:30 End _____ Shock Distance (0.01 mi): _____
Date 8-23-06 Date _____ 44 16 4x
88 14 56

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 50v
Serial # 1357

Water Depth

Minimum: 2 Maximum: 4 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: 3 White Sucker: Ø

Drum: Ø Bass (smallmouth): 2

Channel Cats: Ø Bass (white): Ø

Carp: Ø Emerald Shiner: Ø

Gizzard Shad: 10 Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU2B Fishing Run No.: 8 Date: 8/23/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2B-06-WA-007	14.5	2 lb 11 oz		
OU2B-06-WA-008	12.75	0 lb 7 oz		
OU2B-06-WA-009	14	0 lb 9 oz		
OU2B-06-SB-007	11	0 lb 7 oz		
OU2B-06-SB-008	14.25	1 lb 5 oz		
OU2B-06-GS-003	2.5-3.0	lb <1 oz		10 fish between 2.5 and 3.0 inches
~~ES-001~~ (PTS)	~~3.25~~	lb <1 oz		MIS identified; actually bluntnose shiner removed from sample because sufficient numbers of gizzard shad being caught (PTS 8/23/06)
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: [illegible] Fishing Run No.: 9 Date: 8-23-06

Gear Type: [illegible] Bank sampled (as looking upstream): R L

Water Level: [illegible] Weather: [illegible]

Collector(s): [illegible]

GPS Location: Start 44 ° 16 . 45 End [illegible] ° 16 . [illegible]54
88 ° 14 . 55 [illegible] ° 14 . [illegible]

Time (24hr): Start [illegible] End 10:40 Shock Distance (0.01 mi): 1 mile
Date [illegible] Date 8-23-06

Generator Output @ 60 pulse 25 Duty cycle Amps: [illegible] Volts: [illegible] Serial # 2087

Water Depth

Minimum: [illegible] Maximum: 5 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye:	1	White Sucker:	Ø
Drum:	4	Bass (smallmouth):	4
Channel Cats:	Ø	Bass (white):	Ø
Carp:	Ø	Emerald Shiner:	Ø
Gizzard Shad:	4	Other:	

Signature [signature]
Printed Name Paul Schlenger

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2B Fishing Run No.: 9 Date: 8/23/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2B-06-DR-012	13.25	1 lb 3 oz		
OU2B-06-DR-013	19.25	3 lb 15 oz		
OU2B-06-DR-014	18.0	2 lb 12 oz		
OU2B-06-DR-015	16.25	2 lb 2 oz		
OU2B-06-WA-010	15.0	1 lb 6 oz		
OU2B-06-SB-009	10.0	0 lb 9 oz		
OU2B-06-SB-010	13.0	1 lb 4 oz		
OU2B-06-SB-011	12.75	1 lb 5 oz		
OU2B-06-SB-012	14.0	1 lb 11 oz		
OU2B-06-~~SB-013~~ GS-004 PTS	<3	0 lb <1 oz		4 fish
OU2B-06-~~SB-014~~ PTS		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU2B Fishing Run No.: 10 Date: 8-23-06

Gear Type: [illegible] Bank sampled (as looking upstream): R L

Water Level: 6' Weather: Cloudy, Raining

Collector(s): [illegible] MOC TTS

GPS Location: Start 44 ° 17 . 01 End 44 ° 7 . 19
88 ° 14 . 42 88 ° [illegible] . 35

Time (24hr): Start 11:20 End 12:[illegible] Shock Distance (0.01 mi): _____
Date 8-23-06 Date [illegible]

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504 [illegible] 1119

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: Ø White Sucker: Ø

Drum: 2 Bass (smallmouth): Ø

Channel Cats: Ø Bass (white): Ø

Carp: Ø Emerald Shiner: Ø

Gizzard Shad: 16 Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2B Fishing Run No.: 10 Date: 8/23/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2B-06-DR-016	16.25	1 lb 6 oz		
OU2B-06-DR-017	17.25	1 lb 10 oz		
OU2B-06-GS-005	<3	lb <1 oz		5 fish less than 3 inches
OU2B-06-GS-006	3-6	lb <1 oz		11 fish ~~less than~~ between 3 and 6
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2B Fishing Run No.: 11 Date: 8/23

Gear Type: [illegible] Bank sampled (as looking upstream): R L

Water Level: [illegible] Weather: Cloudy, Raining

Collector(s): [illegible], TJS

GPS Location: Start 44 ° 17 . 66 End 44 ° 16 . 52
88 ° 14 . 41 88 ° 14 . 57

Time (24hr): Start 1745 End 2006 Shock Distance (0.01 mi): _____
Date [illegible] Date _____

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: [illegible]

Water Depth

Minimum: _____ Maximum: _____ Mean: 3

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye:	Ø	White Sucker:	Ø
Drum:	Ø	Bass (smallmouth):	Ø
Channel Cats:	Ø	Bass (white):	Ø
Carp:	Ø	Emerald Shiner:	Ø
Gizzard Shad:	52	Other:	

Signature [signature]
Printed Name Nick Glauder

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU3B Fishing Run No.: 11 Date: ~~8/23~~ 8/23/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU3B-06-GS-007		lb oz		(25) GS <3in } 52 fish
OU3B-06-GS-008		lb oz		(25) GS >3in
OU2B-06-GS-009		lb oz		(2) GS >3in
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2B Fishing Run No.: 12 Date: 8/24/06

Gear Type: fyke Bank sampled (as looking upstream): (R) L

Water Level: _____ Weather: rain, t-storm

Collector(s): ML PS

GPS Location: Start 44° 19' x 05" End ____° ____.____ (same as last fyke net set)
88° 11.53 ____° ____.____

Time (24hr): Start 0800 End 0900 Shock Distance (0.01 mi): _____
Date 8/23/06 Date 8/24/06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 5 Maximum: 9 Mean: 8

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: Ø White Sucker: Ø

Drum: Ø Bass (smallmouth): Ø

Channel Cats: Ø Bass (white): Ø

Carp: Ø Emerald Shiner: Ø

Gizzard Shad: Ø Other: _____

1 flathead cat fish, 3 crappie, 1 juv cat fish (<3")

No fish

Signature [signature]

Printed Name Paul Schlenger

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2B Fishing Run No.: 13 Date: 8/24/06

Gear Type: 6 ft net Bank sampled (as looking upstream): (R) L

Water Level: ~1 ft lower than yesterday Weather: rain, t-storm

Collector(s): ML PS

GPS Location: Start ____ ° ____ . ____ End ____ ° ____ . ____
____ ° ____ . ____ ____ ° ____ . ____

Time (24hr): Start 0840 End 0940 Shock Distance (0.01 mi): ____
Date 8/23/06 Date 8/24/06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 3 Maximum: 6 Mean: 5

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: Ø White Sucker: Ø

Drum: Ø Bass (smallmouth): Ø

Channel Cats: Ø Bass (white): Ø

Carp: Ø Emerald Shiner: Ø

Gizzard Shad: Ø Other: ____

no fish

Signature [signature]

Printed Name Paul Schlenger

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2B Fishing Run No.: 14 Date: 8/24/06

Gear Type: Electrofishing Bank sampled (as looking upstream): R L

Water Level: Normal Weather: Cloudy

Collector(s): JMS/NMG

GPS Location: Start 44 ° 19 . 02 End 44 ° 18 . 46
88 ° 11 . 52 88 ° 12 . 46

Time (24hr): Start 911 End 10:02 Shock Distance (0.01 mi): 1
Date_____ Date_____

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504 1313 Seconds

Water Depth

Minimum: 2 Maximum: 12 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)
Gravel

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: 1 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]
Printed Name Nick Glanzer

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: 2B Fishing Run No.: 14 Date: 8/24/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2B-06-DR-018	14.75	1 lb 8 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2B Fishing Run No.: 1 Date: 9/24/06

Gear Type: Electrofishing Bank sampled (as looking upstream): R L

Water Level: Normal Weather: Cloudy

Collector(s): Nick/JMS/TS

GPS Location: Start 44 ° 16 . 54 End 44 ° 16 . 46
88 ° 14 . 55 88 ° 15 . 01

Time (24hr): Start 10 38 End 11 38 Shock Distance (0.01 mi): .25
Date 9/24/06 Date 9/24/06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: 504 1111 sec.

Water Depth

Minimum: 2 Maximum: 4 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: 2 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [illegible]

Printed Name [illegible]

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2B **Fishing Run No.:** 15 **Date:** 8/24/06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2B-06-DR-019	18.0	2 lb 13 oz		
OU2B-06-DR-020	13.0	1 lb 0 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: ZR Fishing Run No.: 1 Date: 3/[illegible]

Gear Type: electroshock Bank sampled (as looking upstream): (R) L (mid)

Water Level: [illegible] Weather: [illegible]

Collector(s): [illegible], JMS, TS

GPS Location: Start 44 ° 16 . 46 End 44 ° 16 . 49
89 ° 14 . 58 88 ° 14 . 54

Time (24hr): Start 1150 End 1252 Shock Distance (0.01 mi): .25
Date 8/24/06 Date 8/24/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504 1148 sec

Water Depth

Minimum: 2 Maximum: 4 Mean: 3

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: Ø White Sucker: Ø

Drum: 7 Bass (smallmouth): ~~1~~ 2 (PTB)

Channel Cats: Ø Bass (white): Ø

Carp: Ø Emerald Shiner: Ø

Gizzard Shad: Ø Other:

Signature [signature]

Printed Name Nick Glander

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2B **Fishing Run No.:** 16 **Date:** 8/24/06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2B-06-DR-021	20.25	3 lb 10 oz		
OU2B-06-DR-~~024~~ 022 (PTS)	20.0	3 lb 13 oz		
OU2B-06-DR-023	19.0	3 lb 5 oz		~~para~~ (PTS)
OU2B-06-DR-024	18.0	2 lb 12 oz		
OU2B-06-DR-025	12.5	0 lb 14 oz		
OU2B-06-SB-013	18.5	3 lb 10 oz		
OU2B-06-SB-014	15.75	2 lb 3 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2B Fishing Run No.: 17 Date: 5/24/06

Gear Type: Electrofishing Bank sampled (as looking upstream): R L

Water Level: Normal Weather: Clear

Collector(s): [illegible]

GPS Location: Start 44 ° 16 . 48 End 44 ° 16 . 51
88 ° 14 . 57 88 ° 15 . 01

Time (24hr): Start 1315 End 1505 Shock Distance (0.01 mi): _____
Date 5/24/06 Date 5/24/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504 2736

Water Depth

Minimum: 2 Maximum: 4 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: 5 White Sucker: _____

Drum: _____ Bass (smallmouth): 16 [illegible]

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [illegible]

Printed Name [illegible]

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2B **Fishing Run No.:** 17 **Date:** 8/24/06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2B-06-SB-015	17.0	3 lb 0 oz		
OU2B-06-SB-016	16.0	2 lb 8 oz		
OU2B-06-SB-017	14.75	1 lb 13 oz		
OU2B-06-SB-018	12.0	1 lb 1 oz		
OU2B-06-WA-012	10.5	0 lb 5 oz		
OU2B-06-WA-013	10.75	0 lb 7 oz		
OU2B-06-WA-014	14.25	1 lb 1 oz		
OU2B-06-WA-015	15.0	1 lb 1 oz		
OU2B-06-WA-016	15.0	1 lb 3 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

FIELD SAMPLING FORMS

OU2C

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: [illegible] Fishing Run No.: 1 Date: [illegible]

Gear Type: [illegible] Bank sampled (as looking upstream): R / L

Water Level: [illegible] Weather: pt cloudy [illegible]

Collector(s): [illegible]

GPS Location: Start [illegible] End [illegible]

Time (24hr): Start 0930 End 0930 Shock Distance (0.01 mi): —

Date [illegible] Date 8/26/01

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: [illegible] Maximum: [illegible] Mean: [illegible]

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
[illegible] rocks

Total Catch

Walleye:	Ø	White Sucker:	Ø
Drum:	Ø	Bass (smallmouth):	Ø
Channel Cats:	Ø	Bass (white):	Ø
Carp:	Ø	Emerald Shiner:	Ø
Gizzard Shad:	Ø	Other:	

No fish; no target sizes; approx 6 small channel cat (~6"), one SMB, several crappie and bluegill

Signature [illegible]

Printed Name Paul Schlenger

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2C Fishing Run No.: 2 Date: [illegible]

Gear Type: Spike Bank sampled (as looking upstream): (R) L

Water Level: normal Weather: [illegible]

Collector(s): TS [illegible]

GPS Location: Start [illegible] End [illegible]

Time (24hr): Start 0945 End 1015 Shock Distance (0.01 mi): —

Date [illegible] Date 8/26/06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: Maximum: Mean:

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye:	Ø	White Sucker:	Ø
Drum:	Ø	Bass (smallmouth):	Ø
Channel Cats:	Ø	Bass (white):	Ø
Carp:	Ø	Emerald Shiner:	Ø
Gizzard Shad:	Ø	Other:	

No fish; no target sizes 4 ch cat <6", crappie, bluegill, one SMB

Signature [illegible]

Printed Name Paul Schlenger

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2C Fishing Run No.: 3 Date: 8/25/06

Gear Type: Electro Fishing Bank sampled (as looking upstream): R L

Water Level: Normal Weather: Sunny

Collector(s): [illegible]

GPS Location: Start 44 ° 18 . 58 End 44 ° 18 . [illegible]
88 ° 11 . 50 88 ° 11 . [illegible]

Time (24hr): Start [illegible] End 10:20 Shock Distance (0.01 mi): _____
Date 8/25/06 Date 8/25/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: _____

Water Depth

Minimum: 2 Maximum: 12 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

[illegible]

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Below Dam

Total Catch

Walleye: _____ White Sucker: _____

Drum: 7 Bass (smallmouth): 3

Channel Cats: 8 Bass (white): _____

Carp: 7 Emerald Shiner: _____

Gizzard Shad: ~~2 > 3"~~ 2 < 3" not kept Other: _____

Signature [signature]
Printed Name Nick Glover

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2C Fishing Run No.: 3 Date: 8/25/06 Page 1 of 2

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2C-06-CA-001	19.75	3.0 lb 7.0 oz		
OU2C-06-CA-002	20.0	4.0 lb 0 oz		wound on lower lip
OU2C-06-CA-003	18.75	3.0 lb 4.0 oz		
OU2C-06-CA-004	20.0	3.0 lb 14.0 oz		
OU2C-06-CA-005	19.5	4.0 lb 2.0 oz		torn lip (healed)
OU2C-06-CA-006	20.0	3.0 lb 15.0 oz		
OU2C-06-CA-007	19.5	3.0 lb 1.0 oz		
OU2C-06-DR-001	20.75	4.0 lb 11.0 oz		
OU2C-06-DR-002	16.0	1.0 lb 7.0 oz		
OU2C-06-DR-003	15.25	1.0 lb 6.0 oz		
OU2C-06-DR-004	17.0	1.0 lb 11.0 oz		
OU2C-06-DR-005	16.5	1.0 lb 8.0 oz		
OU2C-06-DR-006	17.0	1.0 lb 10.0 oz		
OU2C-06-DR-007	15.5	1.0 lb 2.0 oz		
OU2C-06-SB-001	16.25	2.0 lb 1.0 oz		
OU2C-06-SB-002	14.0	1.0 lb 3.0 oz		
OU2C-06-SB-003	11.75	lb 9.0 oz		
OU2C-06-GS-001		lb oz		(2) GS <3"

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

[redacted] [redacted]

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2C Fishing Run No.: 3 Date: 8/25/06 Page 2 of 2

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2C-06-GS-002		lb oz		(2) GS >3"
OU2C-06-CC-001	18.75	1.0 lb 10.0 oz		
OU2C-06-CC-002	19.0	1.0 lb 14.0 oz		
OU2C-06-CC-003	15.75	0 lb 15.0 oz		
OU2C-06-CC-004	16.5	1.0 lb 1.0 oz		
OU2C-06-CC-005	16.0	0 lb 13.0 oz		
OU2C-06-CC-006	14.5	0 lb 11.0 oz		
OU2C-06-CC-007	~~[illegible]~~ 15.0	0 lb 11.0 oz		
OU2C-06-CC-008	14.0	0 lb 5.0 oz		flesh wound on back
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2C Fishing Run No.: 4 Date: 8/[illegible]

Gear Type: e-fish Bank sampled (as looking upstream): R L

Water Level: [illegible] Weather: [illegible]

Collector(s): [illegible]

GPS Location: Start 44 ° 18 . [illegible] End 44 ° 19 . [illegible]
88 ° 11 . 29 88 ° 11 . 3[illegible]

Time (24hr): Start 1153 End 1303 Shock Distance (0.01 mi): _____
Date 8/25/[illegible] Date 8/25/[illegible]

Generator Output @ 60 pulse 25 Duty cycle Amps: [illegible] Volts: 504 [illegible]

Water Depth

Minimum: 1 Maximum: 4 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

✓ Walleye: 2 White Sucker: _____

✓ Drum: 15 ✓ Bass (smallmouth): 6

✓ Channel Cats: 4 Bass (white): _____

✓ Carp: 2 Emerald Shiner: _____

✓ Gizzard Shad: 5 >3" Other: _____

Signature [illegible]
Printed Name Nick Glander

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU2C **Fishing Run No.:** 4 **Date:** 8/25/06 **Page** 1 **of** 2

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2C-06-CC-009	14.5	0 lb 14.0 oz		
OU2C-06-CC-010	19.5	2.0 lb 7.0 oz		
OU2C-06-CC-011	19.75	2.0 lb 8.0 oz		
OU2C-06-CC-012	17.5	1.0 lb 8.0 oz		
OU2C-06-SB-004	15.25	1.0 lb 12.0 oz		
OU2C-06-SB-005	14.5	1.0 lb 6.0 oz		
OU2C-06-SB-006	13.75	1.0 lb 7.0 oz		
OU2C-06-SB-007	12.5	0 lb 15.0 oz		
OU2C-06-SB-008	12.0	0 lb 14.0 oz		
OU2C-06-SB-009	10.0	0 lb 8.0 oz		
OU2C-06-WA-001	14.25	0 lb 15.0 oz		
OU2C-06-WA-002	14.5	1.0 lb 0 oz		
OU2C-06-GS-003		lb oz		(5) >3"
OU2C-06-CA-008	18.5	2.0 lb 2.0 oz		
OU2C-06-CA-009	20.0	3.0 lb 3.0 oz		
OU2C-06-DR-008	20.5	4.0 lb 5.0 oz		
OU2C-06-DR-009	23.25	7.0 lb 0 oz		
OU2C-06-DR-010	17.75	2.0 lb 11.0 oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2C **Fishing Run No.:** 4 **Date:** 8/25/06 **Page** 2 **of** 2

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2C-06-DR 011	17.0	2.0 lb 13.0 oz		
OU2C-06-DR-012	15.0	1.0 lb 11.0 oz		
OU2C-06-DR-013	16.5	1.0 lb 15.0 oz		
OU2C-06-DR-014	15.25	1.0 lb 11.0 oz		
OU2C-06-DR-015	16.5	1.0 lb 15.0 oz		
OU2C-06-DR-016	16.0	1.0 lb 9.0 oz		
OU2C-06-DR-017	14.5	1.0 lb 6.0 oz		
OU2C-06-DR-018	14.5	1.0 lb 5.0 oz		
OU2C-06-DR-019	15.0	1.0 lb 9.0 oz		
OU2C-06-DR-020	15.25	1.0 lb 8.0 oz		
OU2C-06-DR-021	15.25	1.0 lb 8.0 oz		
OU2C-06-DR-022	13.75	1.0 lb 2.0 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2C Fishing Run No.: 5 Date: 8/25/06

Gear Type: Electro [illegible] Bank sampled (as looking upstream): R L

Water Level: Normal Weather: Sunny

Collector(s): [illegible]

GPS Location: Start 44 ° 19 . 57 End 44 ° 19 . 01
88 ° 11 . 32 88 ° 11 . 03

Time (24hr): Start 1330 End 1415 Shock Distance (0.01 mi): .25
Date 8/25/06 Date 8/25/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6.5 Volts: 500

Water Depth

Minimum: 2 Maximum: 17 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: 7 Bass (smallmouth): 1

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [illegible]
Printed Name Nick [illegible]

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2C Fishing Run No.: 5 Date: 8/25/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2C-06- DR-023	18.75	3 lb 0 oz		
OU2C-06- DR-024	20.5	3 lb 13 oz		
OU2C-06- DR-025	19.25	3 lb 11 oz		
OU2C-06- DR-026	17.5	2 lb 6 oz		
OU2C-06- DR-027	19.25	3 lb 3 oz		
OU2C-06- DR-028	16.5	1 lb 15 oz		
OU2C-06- DR-029	13.25	1 lb 0 oz		
OU2C-06- SB-010	10.75	0 lb 10 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU 2C Fishing Run No.: 6 Date: 8-25-06

Gear Type: Electro fishing Bank sampled (as looking upstream): R (L)

Water Level: Normal Weather: _____

Collector(s): ~~[illegible]~~ MOL, TJS

GPS Location: Start 44 ° 19 . 58 End ___ ° ___ . ___
88 ° 09 . 26 ___ ° ___ . ___

Time (24hr): Start 3:30 End 1615 Shock Distance (0.01 mi): .5 mile
Date 8/25/06 Date 8/25/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504

Water Depth

Minimum: 1 Maximum: 5 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Shoreline - Rip Rap

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: 3 Bass (smallmouth): 2

Channel Cats: 1 Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: 1 Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2C **Fishing Run No.:** 6 **Date:** 8/25/06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2C-06-CA-010	18.75	3.0 lb 4.0 oz		
OU2C-06-DR-030	16.75	2.0 lb 0 oz		
OU2C-06-DR-031	15.5	1.0 lb 8.0 oz		
OU2C-06-DR-032	14.75	1.0 lb 6.0 oz		
OU2C-06-CC-013	16.0	1.0 lb 4.0 oz		
OU2C-06-GS-004		lb oz		(1) GS >3"
OU2C-06-SB-011	11.5	0 lb 11.0 oz		
OU2C-06-SB-012	15.0	1.0 lb 9.0 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 002C Fishing Run No.: 7 Date: 8-26-06

Gear Type: Electro fish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 75 °F - Cloudy

Collector(s): Mor, TJS, PTS

GPS Location: Start 44 ° 18 . 59 End 44 ° 18 . 55
88 ° 11 . 50 88 ° 11 . 48

Time (24hr): Start 7:20 End 9:20 Shock Distance (0.01 mi): 1 mile
Date 8-26-06 Date 8-26-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504 Seconds 3007

Water Depth

Minimum: 2 Maximum: 10 + Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
Below Hydro Plant & Dam

_____

Total Catch

Walleye: 2 White Sucker: _____

Drum: 1 Bass (smallmouth): 4

Channel Cats: 7 Bass (white): _____

Carp: 2 Emerald Shiner: _____

Gizzard Shad: ~~5 @ <3~~ AW
2 @ 3-4"
5 @ <3"

Other: _____

Signature [signature]

Printed Name Paul Schlenger

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2C Fishing Run No.: 7 Date: 8/26/06 Page 1 of 1

	Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
✓	OU2C-06-CA-011	18.0	2 lb 2 oz		
✓	OU2C-06-CA-012	18.0	2 lb 12 oz		
✓	OU2C-06-GS-005	<3	lb <1 oz		5 ~~6~~ (PTS) fish <3 inches long
✓	OU2C-06-GS-006	3-4	lb <1 oz		2 fish 3-4 inches long
✓	OU2C-06-WA-003	14.5	0 lb 7 oz		
✓	OU2C-06-WA-004	21.0	2 lb 5 oz		
✓	OU2C-06-DR-033	18.0	2 lb 9 oz		
✓	OU2C-06-SB-013	10.75	0 lb 2 oz		scale working? (appears will 0z
✓	OU2C-06-SB-014	10.25	0 lb 1 oz		scale working? new battery (appears 140z
✓	OU2C-06-SB-015	14.5	1 lb 3 oz		
✓	OU2C-06-SB-016	15.5	2 lb 1 oz		
	OU2C-06-CC-014	14.5	0 lb 14 oz		skin damage/laceration top righ
	OU2C-06-CC-015	11.5	0 lb 8 oz		
	OU2C-06-CC-016	12.5	0 lb 9 oz		
	OU2C-06-CC-017	11.5	0 lb 7 oz		
	OU2C-06-CC-018	13.75	0 lb 12 oz		
	OU2C-06-CC-019	14.5	1 lb 0 oz		
	OU2C-06-CC-020	16.0	1 lb 4 oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2C Fishing Run No.: 8 Date: 8/26/06

Gear Type: fyke net Bank sampled (as looking upstream): R L under off rocks

Water Level: normal Weather: overcast

Collector(s): ML TS PS

LAT LON NAD 27

GPS Location: Start 44° 18' x 56" End ° . .
88° 11' x 41" ° . .

DDMMSS not DDMM.MI

Time (24hr): Start 0945 End 10:00 Shock Distance (0.01 mi): —
Date 8/26/06 Date 8/27/06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 2 Maximum: 8 Mean: 5

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No Fish.

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2C Fishing Run No.: 9 Date: 8/26/06

Gear Type: fyke net Bank sampled (as looking upstream): R L

Water Level: normal Weather: overcast

Collector(s): JS RS

GPS Location: Start 44° 18' x 59" End ____°____.____ DD MM SS
88° 11' x 23" ____°____.____

Time (24hr): Start 1030 End 9:30 Shock Distance (0.01 mi): –
Date 8/26/06 Date 8/27/06

Generator Output @ 60 pulse 25 Duty cycle Amps: – Volts: –

Water Depth

Minimum: 3 Maximum: 8 Mean: 6

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish.

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU2C Fishing Run No.: ~~8~~ 10 Date: 8-26-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 75 °F

Collector(s): ~~B~~ TJS, MOL

GPS Location: Start 44° 19.01 End 44° 19.00
88° 11.19 88° 11.15

Time (24hr): Start 10:20 End 11:45 Shock Distance (0.01 mi): _____
Date 8-26-06 Date 8-26-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504 Seconds 7113

Water Depth

Minimum: _____ Maximum: 5 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Old lock Channel

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: 1 Bass (smallmouth): 1

Channel Cats: _____ Bass (white): _____

Carp: 8 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2C Fishing Run No.: ~~8~~ ~~10~~ 10 Date: 8/26/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2C-06-CA-013	19.0	3 lb 2 oz		
OU2C-06-CA-014	22.0	4 lb 12 oz		
OU2C-06-CA-015	19.5	3 lb 14 oz		
OU2C-06-CA-016	19.75	3 lb 14 oz		
OU2C-06-CA-017	20.5	4 lb 5 oz		
OU2C-06-CA-018	19.5	3 lb 3 oz		
OU2C-06-CA-019	21.75	5 lb 0 oz		caudal fin erosion
OU2C-06-CA-020	20.75	4 lb 11 oz		lip deformity
OU2C-06-DR-034	12.0	0 lb 12 oz		
OU2C-06-SB-017	13.75	1 lb 5 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU2C Fishing Run No.: 11 Date: 8-26-06

Gear Type: Electro Fishing Bank sampled (as looking upstream): R L

Water Level: Normal Weather: _____

Collector(s): Moz, TJS

GPS Location: Start 44 ° 18 . 59 End 44 ° 18 . 58
88 ° 11 . 50 88 ° 11 . 28

Time (24hr): Start 12:30 End 1:10 Shock Distance (0.01 mi): .25
Date_____ Date_____

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 300 Seconds 1191

Water Depth

Minimum: 2 Maximum: 6 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
Below Dam

_____

Total Catch

Walleye: 1 White Sucker: _____

Drum: 5 Bass (smallmouth): 1

Channel Cats: 3 Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2C **Fishing Run No.:** 11 **Date:** 8/26/06 **Page** 1 **of** 1

	Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
✓	OU2C-06-CA-021	22.0	4.0 lb 9.0 oz		
✓	OU2C-06-DR-035	21.0	4.0 lb 8.0 oz		
✓	OU2C-06-DR-036	20.0	4.0 lb 0 oz		
✓	OU2C-06-DR-037	21.0	5.0 lb 6.0 oz		
✓	OU2C-06-DR-038	22.0	6.0 lb 4.0 oz		
✓	OU2C-06-DR-039	16.5	1.0 lb 14.0 oz		
✓	OU2C-06-CC-021	15.0	0 lb 13.0 oz		
✓	OU2C-06-CC-022	13.0	0 lb 8.0 oz		
✓	OU2C-06-CC-023	16.25	1.0 lb 5.0 oz		
✓	OU2C-06-SB-018	12.75	1.0 lb 1.0 oz		
✓	OU2C-06-WA-005	18.25	1.0 lb 15.0 oz		
			lb oz		
			lb oz		
			lb oz		
			lb oz		
			lb oz		
			lb oz		
			lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU2C Fishing Run No.: 12 Date: 8-28-06

Gear Type: fyke Net Bank sampled (as looking upstream): R L

Water Level: _____ Weather: _____

Collector(s): Mor, TJS

GPS Location: Start 44° 18'. 56" End ____° ____. ____
88° 11'. 41" ____° ____. ____

Time (24hr): Start 10:35 End 8:00 Shock Distance (0.01 mi): —
Date 8-28-06 Date 8-28-06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU2C Fishing Run No.: 13 Date: 8-28-06

Gear Type: Fyke Net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: _____

Collector(s): Max, TJS

DDMMSS GPS Location: Start 44° 18' 59" End ___° ___' ___"
88° 11' 23" ___° ___' ___"

Time (24hr): Start 9:45 End 10:30 Shock Distance (0.01 mi): —
Date 8-28-06 Date 8-28-06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 3 Maximum: 8 Mean: 6

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2C Fishing Run No.: 14 Date: 8/28/06

Gear Type: Elec Fishing Bank sampled (as looking upstream): (R) L Across dam

Water Level: _____ Weather: _____

Collector(s): WOK TS

GPS Location: Start 44° 19 . 00 End 44° 18 . 55
88° 11 . 51 88° 11 . 41

Time (24hr): Start 0900 End 1020 Shock Distance (0.01 mi): 1.5
Date 8/28 Date 8/28

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504

Water Depth

Minimum: 1 Maximum: 15 Mean: 6 1929 secs.

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Dam & hydro

_____

Total Catch

Walleye: 1 White Sucker: _____

Drum: _____ Bass (smallmouth): ~~3~~ 2

Channel Cats: _____ Bass (white): _____

Carp: 2 Emerald Shiner: _____

Gizzard Shad: ~~3*~~ (AW) Other: _____

14, 25, 11 = (50)

~~(3 samples; 14+25+11 = 50 fish.)~~

Signature [signature]

Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2C **Fishing Run No.:** 14 **Date:** 8/22/06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2C-06-GS-007		lb oz		19 [illegible] 3" [illegible]
OU2C-06-GS-008		lb oz		25 under 3"
OU2C-06-GS-009		lb oz		[illegible] 11 under 3"
OU2C-06 WA-006	11	0 lb 8 oz		
OU2C-06-SB-019	14.75	1 lb 12 oz		
OU2C-06-SB-020	16.75	2 lb 13 oz		
OU2C-06-CA-022	18.25	2 lb 11 oz		
OU2C-06-CA-023	19.5	3 lb 8 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2C Fishing Run No.: 15 Date: 8-28-06

Gear Type: Electro-Fisher Bank sampled (as looking upstream): R (L)

Water Level: normal Weather: cloudy - no wind

Collector(s): WSK TS

GPS Location: Start 44 ° 18 . 53 End 44 ° 19 . 05
88 ° 11 . 44 88 ° 10 . 54

Time (24hr): Start 1100 End 1145 Shock Distance (0.01 mi): 1.0 m 1732 sec
Date 8-28-06 Date 8-28-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504

Water Depth

Minimum: 1 Maximum: 4 Mean: 3

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
cobbs instream woody debris

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): 1

Channel Cats: _____ Bass (white): _____

Carp: 2 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]
Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2C **Fishing Run No.:** ~~18~~ 15 **Date:** 8-28-06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2C-06 - CA-024	19.5	3 lb 10 oz		
OU2C-06 - CA 625	20	3 lb 15 oz		
OU2C-06-SB-021	12	~~1~~ lb 14 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2C Fishing Run No.: 16 Date: 8-28-06

Gear Type: Electro Fisher Bank sampled (as looking upstream): R L

Water Level: Normal Weather: cloudy LGT wind N

Collector(s): WBY TS

GPS Location: Start 44 ° 19 . 05 End 44 ° 19 . 40
88 ° 09 . 50 88 ° 09 . 49

Time (24hr): Start 1225 End 1319 Shock Distance (0.01 mi): 1.0
Date 8-28-06 Date 8-28-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504 1222 start

Water Depth

Minimum: 2 Maximum: 10 Mean: 5

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Bridge abutments sewage treatment

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): 2

Channel Cats: _____ Bass (white): _____

Carp: 4 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]
Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU2C **Fishing Run No.:** 16 **Date:** 8/28/06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2C-06 - SB-022	12.75	1 lb 0 oz		
OU2C-06- SB-023	13.25	1 lb 3 oz		
OU2C-06- CA-026	19	3 lb 4 oz		
OU2C-06-CA-027	19.5	3 lb 7 oz		
OU2C-06- CA-028	19	3 lb 8 oz		
OU2C-06-CA-029	19.5	3 lb 16 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2L Fishing Run No.: 17 Date: 8-28-06

Gear Type: ElectroFisher Bank sampled (as looking upstream): (R L)

Water Level: normal Weather: cloudy LT N wind

Collector(s): WSK TS

GPS Location: Start 44 ° 19 . 00 End 44 ° 18 . 57
88 ° 11 . 51 88 ° 11 . 47

Time (24hr): Start 1747 End 1841 Shock Distance (0.01 mi): 1.0
Date 8-28-06 Date 8-28-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504 1634 sec

Water Depth

Minimum: 1 Maximum: 10 Mean: 6

Substrate
(silt, sand, (gravel), rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

hydro station dam

Total Catch

Walleye: 4 White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: 4, 1 under 3" Other: _____
3 over 3"

Signature [signature]
Printed Name Walter Kock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU2C **Fishing Run No.:** 17 **Date:** 8/28/06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2C-06-WA-007	17	1 lb 9 oz		
OU2C-06-WA-008	14.25	0 lb 15 oz		
OU2C-06-WA-009	11.5	0 lb 9 oz		
OU2C-06 WA-010	11	0 lb 8 oz		
OU2C-06-GS-010		lb oz		1 under 3"
OU2C-06-GS-011		lb oz		3 over 3"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2C Fishing Run No.: 18 Date: 8-24-06

Gear Type: Electrofishing Bank sampled (as looking upstream): R (C)

Water Level: Normal Weather: cloudy no wind

Collector(s): WOK TS

GPS Location: Start 44 ° 18 . 56 End 44 ° 18 . 58
88 ° 11 . 54 88 ° 11 . 11

Time (24hr): Start 1515 End 1550 Shock Distance (0.01 mi): 0.5
Date 8-28 Date 8-28

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504 976 STC

Water Depth

Minimum: 1 Maximum: 4 Mean: 3

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: 1 White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]
Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 2C **Fishing Run No.:** 18 **Date:** 8/25/06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2C-06-WA-011	14.75	1 lb 0 oz		
OU2C-06-CA-030	19.25	3 lb 11 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU2C Fishing Run No.: 19 Date: 9/9/06

Gear Type: electro fisher Bank sampled (as looking upstream): R (L)

Water Level: normal Weather: sunny very windy

Collector(s): DMS CAM AJW

GPS Location: Start 44 ° 18 . 55 End 44 ° 18 . 59
88 ° 11 . 50 88 ° 11 . 33

Time (24hr): Start 1517 End 1630 Shock Distance (0.01 mi): 0.5
Date 9/9/06 Date 9/9/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504

Water Depth

Minimum: 1 Maximum: 10 Mean: 6

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
hydro station (Dam)

Total Catch

Walleye: 5 White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature _____ JAY SIMONS
Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: ~~OU2D~~ OU2C Fishing Run No.: 19 Date: 9/9/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU2C-06-WA-~~001~~ 012	21.75	3 lb 13 oz		
OU2C-06-WA-013	21.25	3 lb 3 oz		
OU2C-06-WA-014	18	1 lb 13 oz		
OU2C-06-WA-015	19.75	2 lb 2 oz		
OU2C-06-WA-016	18	1 lb 14 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU2C Fishing Run No.: 20 Date: 9/9/06

Gear Type: electro fish Bank sampled (as looking upstream): (R) L

Water Level: normal Weather: sunny, very windy

Collector(s): JMS CAM AJW

GPS Location: Start 44 ° 19 . 30 End 44 ° 19 . 38
88 ° 09 . 57 88 ° 09 . 54

Time (24hr): Start 1700 End 1755 Shock Distance (0.01 mi): point
Date 9/9/06 Date 9/9/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504

Water Depth

Minimum: 1 Maximum: 8 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

rocky/armored shoreline

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

small water-fall/run @ end of run

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish

Signature _____

Printed Name _____

FIELD SAMPLING FORMS

OU3

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 3 Fishing Run No.: 1 Date: 8/29/06

Gear Type: Electro Fishing Bank sampled (as looking upstream): (R) L

Water Level: Normal Weather: Partly Cloudy wind NE 10

Collector(s): WSK NG JMS

GPS Location: Start 44 ° 18 . 68 End 44 ° 18 . 58
88 ° 11 . 11 88 ° 11 . 11

Time (24hr): Start 0920 End 1000h Shock Distance (0.01 mi): 0.7
Date 8-29-06 Date 8-29-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504 1322 sec

Water Depth

Minimum: 1 Maximum: 10 Mean: 6

Substrate
(silt, sand, (gravel) rip rap, organic detritus, etc.)

Boulder / cobble

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Dam Face

Total Catch

Walleye: _____ White Sucker: _____

Drum: 6 Bass (smallmouth): 10

Channel Cats: 6 Bass (white): _____

Carp: 7 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name Warren Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU3 Fishing Run No.: 1 Date: 8-29-06 Page 1 of 2

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU3-06-DR-001	20	4 lb 10 oz		
OU3-06-DR-002	21	4 lb 6 oz		
OU3-06-DR-003	19.5	3 lb 9 oz		
OU3-06-DR-004	18.5	3 lb 2 oz		
OU3-06-DR-005	16.0	1 lb 13 oz		
OU3-06-DR-006	15.0	1 lb 10 oz		
OU3-06-CA-001	20.0	3 lb 12 oz		
OU3-06-CA-002	18.75	3 lb 0 oz		
OU3-06-CA-003	19.75	3 lb 12 oz		
OU3-06-CA-004	18.00	2 lb 5 oz		
OU3-06-CA-005	19.75	3 lb 5 oz		
OU3-06-CA-006	16.75	2 lb 4 oz		
OU3-06-CA-007	18.25	2 lb 15 oz		
~~[illegible]~~		lb oz		
OU3-06-CC-001	21.5	3 lb 5 oz		
OU3-06-CC-002	21.0	3 lb 7 oz		
OU3-06-CC-003	20.5	2 lb 12 oz		
OU3-06-CC-004	17.0	1 lb 10 oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: OU3 Fishing Run No.: 1 Date: 8-29-06 Page 2 of 2

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU3-06-CC-005	18.75	2 lb 0 oz		–
OU3-06-CC-006	12.25	lb 9 oz		–
OU3-06-SB-001	13.0	1 lb 6 oz		–
OU3-06-SB-002	10.25	lb 10 oz		–
OU3-06-SB-003	11.0	lb 11 oz		–
OU3-06-SB-004	11.75	lb 15 oz		–
OU3-06-SB-005	10.5	lb 11 oz		–
OU3-06-SB-006	11.75	lb 15 oz		–
OU3-06-SB-007	12.75	1 lb 4 oz		–
OU3-06-SB-008	12.75	1 lb 3 oz		–
OU3-06-SB-009	14.5	1 lb 14 oz		–
OU3-06-SB-010	14.75	2 lb 0 oz		–
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU3 Fishing Run No.: 2 Date: 8-29-06

Gear Type: Fyke Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 70°F, mostly Sunny, Breezy

Collector(s): MBZ, TJS

GPS Location: Start 44 ° 22 . 41 End ____ ° ____ . ____
88 ° 07 . 17 ____ ° ____ . ____

Time (24hr): Start 9:30 End ____ Shock Distance (0.01 mi): ____
Date 8-29-06 Date ____

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 3 Maximum: 4 Mean: ____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: ____ White Sucker: ____

Drum: ____ Bass (smallmouth): ____

Channel Cats: ____ Bass (white): ____

Carp: ____ Emerald Shiner: ____

Gizzard Shad: ____ Other: ____

No fish

Signature ____

Printed Name ____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU3 Fishing Run No.: 3 Date: 8-29-06

Gear Type: Fyke Bank sampled (as looking upstream): R L

Water Level: _____ Weather: _____

Collector(s): MCL TJS

GPS Location: Start 44 ° 22 . 38 End ____ ° ____ . ____
88 ° 07 . 18 ____ ° ____ . ____

Time (24hr): Start 9:45 End _____ Shock Distance (0.01 mi): _____
Date 8-29-06 Date _____

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 2 Maximum: 7 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No Fish

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 3 Fishing Run No.: 4 Date: 8-29-06

Gear Type: Electrofishing Bank sampled (as looking upstream): (R) L

Water Level: normal Weather: Partly cloudy wind NE 10

Collector(s): WSY NAG JTMS

GPS Location: Start 44 ° 18 . 68 End 44 ° 23 . 17
88 ° 11 . 11 88 ° 07 . 08

Time (24hr): Start 1020 End 1200 Shock Distance (0.01 mi): 2.0
Date 8-29-06 Date 8-29-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504 Seconds 2700

Water Depth

Minimum: 1 Maximum: 4 Mean: 3

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
Locks

Total Catch

Walleye:	White Sucker:
Drum: 8	Bass (smallmouth): 1
Channel Cats: 3	Bass (white):
Carp: 6	Emerald Shiner:
Gizzard Shad: 1 (73") 1 (<3")	Other:

Signature [signature]
Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: OU3 Fishing Run No.: 4 Date: 8-29-06 Page 1 of 2

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU3-06-CA-008	17	2 lb 4 oz		–
OU3-06-CA-009	19.25	3 lb 3 oz		–
OU3-06-CA-010	18.0	2 lb 8 oz		Missing center area of tail
OU3-06-CA-011	18.75	3 lb 6 oz		–
OU3-06-CA-012	19.5	3 lb 6 oz		–
OU3-06-CA-013	18.5	2 lb 13 oz		–
OU3-06-DR-007	13.5	1 lb 2 oz		–
OU3-06-DR-008	17	2 lb 2 oz		–
OU3-06-DR-009	14.75	1 lb 7 oz		–
OU3-06-DR-010	16.0	2 lb 1 oz		
OU3-06-DR-011	14.0	1 lb 4 oz		
OU3-06-DR-012	16.75	2 lb 6 oz		
OU3-06-DR-013	15.25	1 lb 13 oz		
OU3-06-DR-014	15.5	1 lb 15 oz		
OU3-06-SB-011	13.5	1 lb 10 oz		
OU3-06-CC-007	18.25	2 lb 1 oz		
OU3-06-CC-008	16.5	1 lb 11 oz		
OU3-06-CC-009	17.75	2 lb 2 oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: OU3 Fishing Run No.: 4 Date: 8-29-06 Page 2 of 2

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU3-06-GS-001	<3"	lb oz		1 under 3"
OU3-06-GS-002	>3"	lb oz		1 over 3"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 3 Fishing Run No.: 5 Date: 8/29/06

Gear Type: ElectroFishing Bank sampled (as looking upstream): R (L)

Water Level: Normal Weather: Partly Cloudy Wind NE 20

Collector(s): NMG WTK

GPS Location: Start 44 ° 23 . 06 End 44 ° 23 . 51
84 ° 07 . 05 88 ° 06 . 07

Time (24hr): Start 1236 End 1346 Shock Distance (0.01 mi): 2.0
Date 8/29/06 Date 8/29/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504 1785

Water Depth

Minimum: 1 Maximum: 4 Mean: 2

Substrate
(silt, sand) gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation), over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 7 Emerald Shiner: _____

Gizzard Shad: 4 (<3") 7 (>3") Other: _____

Signature [signature]

Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU3 Fishing Run No.: 5 Date: 8-29-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU3-06-GS-003	< 3	- lb oz		4 shad under 3"
OU3-06-GS-004	> 3	- lb oz		7 shad over 3"
OU3-06-CA-014	20	3 lb 7 oz		-
OU3-06-CA-015	17.5	2 lb 6 oz		-
OU3-06-CA-016	18.0	2 lb 9 oz		-
OU3-06-CA-017	19.0	3 lb 2 oz		-
OU3-06-CA-018	19.0	3 lb 1 oz		-
OU3-06-CA-019	17.0	2 lb 6 oz		-
OU3-06-CA-020	16.75	1 lb 15 oz		-
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 3 Fishing Run No.: 6 Date: 8/29/06

Gear Type: Electro Fishing Bank sampled (as looking upstream): (R L)

Water Level: Normal Weather: Partly Cloudy

Collector(s): JS WSK NG

GPS Location: Start 44 ° 22 . 39 End 44 ° 22 . 36
88 ° 07 . 24 88 ° 07 . 21

Time (24hr): Start 1400 End 1441 Shock Distance (0.01 mi): 0.5
Date 8/29/06 Date 8/29/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504 Seconds 1059

Water Depth

Minimum: 1 Maximum: 8 Mean: 4

Substrate
(silt, sand, (gravel), rip rap, organic detritus, etc.)

Boulder cobble

Habitat Description
(vegetation, over-water structures, channel features, (hydrology), etc.)

Dam

Total Catch

Walleye: 2 White Sucker: _____

Drum: 2 Bass (smallmouth): 1

Channel Cats: 3 Bass (white): _____

Carp: 5 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]
Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU3 Fishing Run No.: 6 Date: 8-29-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU3-06-CA-021	19	3 lb 7 oz		
OU3-06-CA-022	17.25	1 lb 3 oz		
OU3-06-CA-023	18.5	3 lb 1 oz		
OU3-06-CA-024	15.75	1 lb 12 oz		
OU3-06-CA-025	20.0	3 lb 8 oz		
OU3-06-DR-016	15.25	1 lb 6 oz		
OU3-06-DR-017	15.5	1 lb 7 oz		
OU3-06-CC-010	22.0	4 lb 5 oz		
OU3-06-CC-011	19.75	2 lb 11 oz		
OU3-06-CC-012	21.75	3 lb 7 oz		
OU3-06-SB-012	15.5	2 lb 3 oz		
OU3-06-WA-001	20.5	2 lb 15 oz		
OU3-06-WA-002	13.25	lb 13 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

No OU3-DR-015 sample exists

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 3 Fishing Run No.: 7 Date: 8-29-06

Gear Type: Electrofishing Bank sampled (as looking upstream): (R) L

Water Level: normal Weather: partly cloudy wind NE 20

Collector(s): WSK NMG JRS

GPS Location: Start 44 ° 23 . 13 End 44 ° 23 . 33
88 ° 07 . 10 88 ° 07 . 07

Time (24hr): Start 1505 End 1537 Shock Distance (0.01 mi): 1.0
Date 8-29-06 Date 8-29-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504 814 52C.

Water Depth

Minimum: 1 Maximum: 3 Mean: 2

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: 1 (<3") 10 (>3") Other: _____

Signature [signature]
Printed Name Walter Klox

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: OU3 **Fishing Run No.:** 7 **Date:** 8-29-06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU3-06-GS-005	<3	lb oz		1 fish under 3"
OU3-06-GS-006	>3	lb oz		10 fish over 3"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 3 Fishing Run No.: 8 Date: 8-29-06

Gear Type: Electro Fishing Bank sampled (as looking upstream): (R L)

Water Level: normal Weather: Partly cloudy wind NE 20

Collector(s): [illegible]

GPS Location: Start 44 ° 22 . 41 End 44 ° 22 . 42
88 ° 07 . 21 88 ° 07 . 22

Time (24hr): Start 1605 End 1632 Shock Distance (0.01 mi): 0.7
Date 8-29-06 Date 8-29-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 304 952 stc

Water Depth

Minimum: 1 Maximum: 10 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Boulder

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Dam

Total Catch

Walleye: _____ White Sucker: _____

Drum: 2 Bass (smallmouth): 1

Channel Cats: 1 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name Warren Kirk

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU3 Fishing Run No.: 8 Date: 8-29-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU3-06-CC-013	19.5	2 lb 5 oz		
OU3-06-SB-013	13.25	lb 13 oz		
OU3-06-DR-018	18.25	2 lb 5 oz		
OU3-06-DR-019	17.75	2 lb 8 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 3 Fishing Run No.: 9 Date: 8-30-06

Gear Type: Electrofisher Bank sampled (as looking upstream): R L

Water Level: normal Weather: [illegible]

Collector(s): WSY AW

GPS Location: Start 44 ° 22 .34 End 44 ° 22 .41
84 ° 07 .25 88 ° 07 .25

Time (24hr): Start 0820 End _____ Shock Distance (0.01 mi): 1.0
Date 8-30-06 Date [illegible]

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504 1491 sec

Water Depth

Minimum: 1 Maximum: 10 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: 1 White Sucker: Ø

Drum: 4 Bass (smallmouth): 3

Channel Cats: 2 Bass (white): Ø

Carp: 2 Emerald Shiner: Ø

Gizzard Shad: Ø Other: _____

Signature [signature]

Printed Name Walter Kirk

This Sampler were labeled OU3-06-DR-019. This Sample changed to 019A

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU-3 Fishing Run No.: 9 Date: 8/30/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU3-06-CA-026	17.75	2 lb 5 oz		
OU3-06-CA-027	17.75	2 lb 12 oz		
OU3-06-DR-019A	18	2 lb 12 oz		
OU3-06-DR-020	17	1 lb 15 oz		
OU3-06-DR-021	15.25	1 lb 0 oz		
OU3-06-DR-022	18.5	2 lb 12 oz		
OU3-06-WA-003	14.75	0 lb 9 oz		
OU3-06-SB-014	12.25	~~8~~ lb 6 oz		
OU3-06-SB-015	12.25	0 lb 6 oz		
OU3-06-SB-016	14.5	1 lb 1 oz		
OU3-06-CC-015	18.25	1 lb 14 oz		
OU3-06-CC-014	19.25	2 lb 8 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 3 Fishing Run No.: 10 Date: 8-30-06

Gear Type: [illegible] Bank sampled (as looking upstream): (R) L

Water Level: [illegible] Weather: [illegible]

Collector(s): [illegible] AW - ML

GPS Location: Start 44° 22.52 End 44° 23.15
[illegible]° 27.15 [illegible]° 07.12

Time (24hr): Start 0930 End 1049 Shock Distance (0.01 mi): [illegible]
Date [illegible] Date [illegible]

Generator Output @ 60 pulse 25 Duty cycle Amps: [illegible] Volts: [illegible] 1918 sec.

Water Depth

Minimum: 1 Maximum: 3 Mean: 2

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: Ø White Sucker: Ø

Drum: 2 Bass (smallmouth): Ø

Channel Cats: Ø Bass (white): Ø

Carp: Ø Emerald Shiner: Ø

Gizzard Shad: 10 under 3" 12 over 3" Other:

Signature [signature]

Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 3 Fishing Run No.: 10 Date: 8/30/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU3-06-DR-023	12.75	Ø lb 12 oz		
OU3-06-DR-024	16.25	1 lb 13 oz		
OU3-06-GS-007		lb oz		10 under 3"
OU3-06-GS-009		lb oz		12 over 3"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 3 Fishing Run No.: 11 Date: 8-30-06

Gear Type: ElectroFisher Bank sampled (as looking upstream): R (L)

Water Level: Normal Weather: cloudy N

Collector(s): WTK AW ML

GPS Location: Start 44 ° 23 . 36 End 44 ° 27 . 53
88 ° 06 . 31 88 ° 07 . 03

Time (24hr): Start 1145 End 1246 Shock Distance (0.01 mi): 2.5
Date 8-30-06 Date 8-30-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504 1559 sec.

Water Depth

Minimum: 1 Maximum: 4 Mean: 2

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: Ø White Sucker: Ø

Drum: 1 Bass (smallmouth): Ø

Channel Cats: Ø Bass (white): Ø

Carp: Ø Emerald Shiner: Ø

Gizzard Shad: 22 under 3" 21 over 3" Other:

Signature [signature]

Printed Name Walter Kloit

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 3 **Fishing Run No.:** 11 **Date:** 8/30/04 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU3-06-DR-025	16.5	2 lb 0 oz		
OU3-06-GS-009		lb oz		22 under 3"
OU3-06-GS-010		lb oz		21 over 3"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: [illegible] Fishing Run No.: 12 Date: 8-30-06

Gear Type: [illegible] Bank sampled (as looking upstream): (R) L

Water Level: normal Weather: partly cloudy wind N 25

Collector(s): WJK ML AW

GPS Location: Start 44 ° 24 .05 End 44 ° 3 .18
88 ° 06 .16 88 ° 07 .10

Time (24hr): Start 1332 End 1500 Shock Distance (0.01 mi): 3.0 1958 secs
Date 8-30-06 Date 8-30-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504

Water Depth

Minimum: 1 Maximum: 3 Mean: 2

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: 13 under 3" 53 over 3" Other: _____

Signature [signature]
Printed Name WALTER KLOCK

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 3 Fishing Run No.: 12 Date: 8/30/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
003-06-95-01P		lb oz		13 under 3"
003-06-95-012		lb oz		33 over 3"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 3 Fishing Run No.: 13 Date: 8-30-06

Gear Type: [illegible] Bank sampled (as looking upstream): R L

Water Level: Normal Weather: [illegible]

Collector(s): [illegible]

GPS Location: Start 44 ° 22 . 40 End 44 ° 22 . 38
88 ° 07 . 22 86 ° 07 . 20

Time (24hr): Start 1530 End 1600 Shock Distance (0.01 mi): 0.5
Date Date

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504 804 SPK

Water Depth

Minimum: 1 Maximum: 10 Mean: 6

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

[illegible]

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

[illegible]

Total Catch

Walleye: 1 White Sucker: Ø

Drum: Ø Bass (smallmouth): Ø

Channel Cats: Ø Bass (white): Ø

Carp: Ø Emerald Shiner: Ø

Gizzard Shad: 8 under 3" 4 OVER 3" Other:

Signature [signature]

Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 3 Fishing Run No.: 13 Date: 8/30/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LA-004	15.75	1 lb 6 oz		
GS-013		lb oz		8 under 3"
GS-014		lb oz		4 over 3"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 3 Fishing Run No.: 16 Date: 8/31/06

Gear Type: [illegible] Bank sampled (as looking upstream): R L

Water Level: [illegible] Weather: [illegible]

Collector(s): [illegible]

GPS Location: Start 44 ° 22 . 31 End [illegible]
44 ° 07 . 2[illegible] [illegible]

Time (24hr): Start 1630 End 1645 Shock Distance (0.01 mi): [illegible]
Date 8/31/06 Date 8/31/06

Generator Output @ 60 pulse 25 Duty cycle Amps: [illegible] Volts: [illegible]

Water Depth

Minimum: 1 Maximum: 10 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

NO Target Species. No fish collected

Signature [illegible]

Printed Name [illegible]

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: [illegible] Fishing Run No.: [illegible] Date: [illegible]

Gear Type: [illegible] Bank sampled (as looking upstream): R (L)

Water Level: [illegible] Weather: [illegible] N R

Collector(s): [illegible]

GPS Location: Start 44 ° 22 . 24 End [illegible] ° [illegible] . [illegible]
88 ° 06 . 46 88 ° 06 . [illegible]

Time (24hr): Start 1905 End [illegible] Shock Distance (0.01 mi): [illegible]
Date [illegible] Date [illegible]

Generator Output @ 60 pulse 25 Duty cycle Amps: [illegible] Volts: [illegible] 723 [illegible]

Water Depth

Minimum: [illegible] Maximum: [illegible] Mean: [illegible]

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No walleye - No fish collected

Signature [illegible]

Printed Name [illegible]

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2 Fishing Run No.: 17 Date: 8-31-06

Gear Type: [illegible] Bank sampled (as looking upstream): R L

Water Level: normal Weather: [illegible]

Collector(s): [illegible]

GPS Location: Start 44 ° 22 . 40 End [illegible]
[illegible] ° [illegible] . [illegible] [illegible] ° [illegible] . [illegible]

Time (24hr): Start 2010 End [illegible] Shock Distance (0.01 mi): [illegible]
Date [illegible] Date [illegible]

Generator Output @ 60 pulse 25 Duty cycle Amps: [illegible] Volts: [illegible]

Water Depth

Minimum: 1 Maximum: 4 Mean: 2

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: 2 White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [illegible]

Printed Name [illegible]

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 3 Fishing Run No.: 18 Date: 8/31/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
003-06-WA-005	15.5	1 lb 2 oz		
003-06-WA-006	15	1 lb 4 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 3 Fishing Run No.: 19 Date: 8-31-06

Gear Type: E-Fish Bank sampled (as looking upstream): R (L)

Water Level: normal Weather: clear wind N 5

Collector(s): [illegible]

GPS Location: Start 44 ° 22 . 39 End 44 ° 22 . 52
88 ° 07 . 23 88 ° 07 . 48

Time (24hr): Start 2130 End [illegible] Shock Distance (0.01 mi): 0.4
Date 8-31-06 Date _____

Generator Output @ 60 pulse 25 Duty cycle Amps: [illegible] Volts: [illegible]

Water Depth

Minimum: 3 Maximum: 6 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish.

Signature [illegible]

Printed Name [illegible]

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU3 Fishing Run No.: 20 Date: 9-7-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 70°F, Sunny, SW wind 5mph

Collector(s): NOL, ATSW, CAm

GPS Location: Start 44° 22.44 End 44° 22.48
88° 07.14 88° 07.11

Time (24hr): Start 12:10 End 1:35 Shock Distance (0.01 mi): _____
Date 9-7-06 Date 9-7-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504

Water Depth

Minimum: 2 Maximum: 5 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Netted 2 catfish, 6 carp, 1 smallmouth that appeared to be in target size. Measuring showed fish to not be size classes we are looking for. [No fish collected]

Signature Mark Love

Printed Name Mark Love

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU3 Fishing Run No.: 21 Date: 9-7-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 75°F, Cloudy, wind 5-10 mph SE

Collector(s): MOL, ATW, CAM

GPS Location: Start 44 ° 22 . 54 End ____ ° ____ . ____
88 ° 07 . 14 ____ ° ____ . ____

Time (24hr): Start 1:45 End _____ Shock Distance (0.01 mi): _____
Date _____ Date _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Observed Several Carp - to large in size; No fish collected.

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU3 Fishing Run No.: 22 Date: 9-7-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Low Weather: 75°F Cloudy, 10mpl SE wind

Collector(s): MOL, AJW, CMM

GPS Location: Start 44° 25 . 49 End 44° 26 . 11
88° 04 . 21 88° 04 . 05

Time (24hr): Start 2:30 End 3:30 Shock Distance (0.01 mi): .5mile
Date 9-7-06 Date 9-7-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504

Water Depth

Minimum: 2 Maximum: 6 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish collected.

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU3 Fishing Run No.: 23 Date: 10-23-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 34°F, Sunny

Collector(s): WDNR - Rod Lange

GPS Location: Start — ° — End — ° —

Time (24hr): Start _____ End 10:00 Am Shock Distance (0.01 mi): —

Date _____ Date 10/23/06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: — Maximum: — Mean: —

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Worked area just below Little Rapids Dam

Total Catch

Walleye: 7 White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature Mark Lane

Printed Name Mark Lane

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU3 **Fishing Run No.:** 23 **Date:** 10-23-06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU3-Ob-Wa-007	18.75	2 lb 9 oz		–
OU3-Ob-Wa-008	15.0	1 lb 3 oz		–
OU3-Ob-Wa-009	17.5	1 lb 12 oz		–
OU3-Ob-Wa-010	15.5	1 lb 4 oz		–
OU3-Ob-Wa-011	18.75	2 lb 10 oz		–
OU3-Ob-Wa-012	20.5	3 lb 8 oz		–
OU3-Ob-Wa-013	19.5	2 lb 12 oz		–
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU 3 Fishing Run No.: 24 Date: 10-24-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 32°F, Sunny

Collector(s): WDNR - ROD LANGE

GPS Location: Start — End —

Time (24hr): Start — End 8:00 AM Shock Distance (0.01 mi): —

Date — Date 10-24-06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: — Maximum: — Mean: —

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Worked area just Below Little Rapids Dam

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: 2 White Sucker:

Drum: Bass (smallmouth):

Channel Cats: Bass (white):

Carp: 7 Emerald Shiner:

Gizzard Shad: Other:

Signature Mark Lane

Printed Name Mark Lane

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 003 **Fishing Run No.:** 24 **Date:** 10-24-06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
003-06-Ca-014	18.5	3 lb 12 oz		
003-06-Ca-015	18.5	3 lb 13 oz		
003-06-Ca-028	15.5	1 lb 9 oz		
003-06-Ca-029	14.25	1 lb 8 oz		
003-06-Ca-030	16.5	3 lb 0 oz		
003-06-Ca-031	17.0	3 lb 10 oz		
003-06-Ca-032	17.25	3 lb 10 oz		
003-06-Ca-033	16.75	3 lb 5 oz		
003-06-Ca-034	17.5	3 lb 9 oz		
~~003-06-Ca-035~~		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

FIELD SAMPLING FORMS

OU4

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 4 Fishing Run No.: 1 Date: 9-4-06

Gear Type: [illegible] Bank sampled (as looking upstream): R (L)

Water Level: normal Weather: Partly [illegible]

Collector(s): NK NG CA

GPS Location: Start 44 ° 27 . 00 End 44 ° 27 . [illegible]
88 ° 03 . 54 88 ° 0[illegible] . [illegible]

Time (24hr): Start 0941 End 1004 Shock Distance (0.01 mi): 0.5
Date 9-4-06 Date 9-4-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: [illegible]

Water Depth

Minimum: 1 Maximum: 4 Mean: 3

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

[illegible]

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: 13 White Sucker: _____

Drum: 9 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: 1 (>5") Other: _____

Signature [illegible]

Printed Name [illegible]

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU4 Fishing Run No.: 1 Date: 9-4-06 Page 1 of 2

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
~~OU4-06-Wa-001~~				
OU4-06-Wa-~~002~~ 001	21.0	3 lb 1 oz		—
OU4-06-Wa-~~003~~ 002	18.75	2 lb 3 oz		—
OU4-06-Wa-~~004~~ 003	17.0	1 lb 13 oz		—
OU4-06-Wa-~~005~~ 004	16.5	1 lb 6 oz		—
OU4-06-Wa-~~006~~ 005	18.25	1 lb 13 oz		—
OU4-06-Wa-~~007~~ 006	14.5	1 lb 1 oz		—
OU4-06-Wa-~~008~~ 007	15.5	1 lb 1 oz		—
OU4-06-Wa-~~009~~ 008	17.25	1 lb 10 oz		—
OU4-06-Wa-~~010~~ 009	15.25	1 lb 3 oz		—
OU4-06-Wa-~~011~~ 10	16.25	1 lb 5 oz		—
OU4-06-Wa-~~012~~ 11	17.25	1 lb 8 oz		—
OU4-06-Wa-~~013~~ 12	18.25	1 lb 10 oz		—
OU4-06-~~Dr~~ Wa-~~001~~ 13	16.25	1 lb 6 oz		—
OU4-06-Dr-~~002~~ 001	17.75	2 lb 7 oz		—
OU4-06-Dr-~~003~~ 002	16.25	1 lb 12 oz		—
OU4-06-Dr-~~004~~ 003	16.0	1 lb 12 oz		—
OU4-06-Dr-~~005~~ 004	14.75	1 lb 6 oz		Adominal tumor
OU4-06-Dr-~~006~~ 005	17.5	2 lb 13 oz		—

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU4 Fishing Run No.: 1 Date: 9-4-06 Page 2 of 2

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
004-06-DR-006	14.0	1 lb 4 oz		—
004-06-DR-007	13.5	1 lb 4 oz		—
004-06-DR-008	13.25	1 lb 0 oz		—
004-06-DR-009	16.5	2 lb 3 oz		—
004-06-CA-001	20.0	3 lb 14 oz		—
004-06-GS-001	>3"	lb — oz		1 shad over 3"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 4 Fishing Run No.: 2 Date: 9-4-05

Gear Type: Electrofishing Bank sampled (as looking upstream): (R) L

Water Level: normal Weather: partly cloudy - wind - 0

Collector(s): WSK, CAM, JG

GPS Location: Start 44 ° 21 . 02 End 44 ° 26 . 58
88 ° 07 . 56 88 ° 01 00

Time (24hr): Start 1012 End 1053 Shock Distance (0.01 mi): 0.7
Date 9-4-05 Date 9-4-05

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504 1013 cms

Water Depth

Minimum: 2 Maximum: 6 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

old RR grade alongside

Total Catch

Walleye: 3 White Sucker: _____

Drum: 16 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]
Printed Name Wesley Klack

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 4 Fishing Run No.: 2 Date: 9-8-06 Page 1 of 2

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU4-06-DR-010	18.5	2 lb 2 oz		—
OU4-06-DR-011	15.0	1 lb 8 oz		—
OU4-06-DR-012	13.0	lb 15 oz		—
OU4-06-DR-013	13.0	lb 15 oz		—
OU4-06-DR-015	12.25	lb 14 oz		—
OU4-06-DR-014	14.0	1 lb 6 oz		—
OU4-06-DR-016	16.0	2 lb 1 oz		—
OU4-06-DR-017	17.75	2 lb 11 oz		—
OU4-06-DR-018	17.25	2 lb 7 oz		—
OU4-06-DR-019	15.75	1 lb 12 oz		—
OU4-06-DR-020	12.5	1 lb 0 oz		—
OU4-06-DR-021	17.25	2 lb 8 oz		—
OU4-06-DR-022	16.0	1 lb 12 oz		—
OU4-06-DR-023	17.0	2 lb 0 oz		—
OU4-06-DR-024	17.5	2 lb 9 oz		—
OU4-06-DR-025	15.75	1 lb 10 oz		—
OU4-06-WA-014	19.75	2 lb 12 oz		—
OU4-06-WA-015	15.25	1 lb 3 oz		—

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 4 Fishing Run No.: 2 Date: 9-4-06 Page 2 of 2

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU4-06-wa-016	16.25	1 lb 7 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 4 Fishing Run No.: 3 Date: 9/4/06

Gear Type: Electro Fish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: Sunny

Collector(s): Nick CAM

GPS Location: Start 44 ° 27 . 28 End 44 ° 26 . 58
88 ° 04 . 11 88 ° 04 . 07

Time (24hr): Start 11 15 End 12 17 Shock Distance (0.01 mi): _____
Date 9/4/06 Date 9/4/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504 1317

Water Depth

Minimum: 1 Maximum: 3 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: 1 (<3") Other: _____

_____

Signature [signature]
Printed Name Nick Gunner

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: 4 Fishing Run No.: 3 Date: 9-4-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU4-06-GS-002	<3"	lb oz		1 Shad under 3"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 2 Fishing Run No.: 4 Date: 9/4/06

Gear Type: Electrofishing Bank sampled (as looking upstream): R L

Water Level: Normal Weather: Cloudy

Collector(s): CAM, NMG

GPS Location: Start 44 ° 27 . 40 End 44 ° 27 . 37
88 ° 03 . 34 88 ° 03 . 45

Time (24hr): Start 1:08 End _____ Shock Distance (0.01 mi): _____
Date 9/4/06 Date _____

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504

Water Depth

Minimum: 1 Maximum: 3 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: 2 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]
Printed Name Nick GANDER

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 4 Fishing Run No.: 4 Date: 9/4/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
004-06-DR-026	16.5	1 lb 15 oz		—
004-06-DR-027	15.5	1 lb 10 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 4 Fishing Run No.: 5 Date: 9/4/06

Gear Type: Electrofishing Bank sampled (as looking upstream): R L

Water Level: Normal Weather: Cloudy

Collector(s): NMG AW CAM

GPS Location: Start 44 ° 27 . 02 / 88 ° 04 . 03 End 44 ° 26 . 58 / 88 ° 04 . 00

Time (24hr): Start 1450 Date 9/4/06 End 1530 Date 9/4/06 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
Papermill

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish

Signature [signature]
Printed Name Nick Glandzer

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 4 Fishing Run No.: 6 Date: 9/4/06

Gear Type: Electro Bank sampled (as looking upstream): R L

Water Level: Normal Weather: Cloudy

Collector(s): NMG AW CAM

GPS Location: Start 44 ° 27 . 03 End 44 ° 27 . 00
88 ° 04 . 06 88 ° 03 . 57

Time (24hr): Start 1536 End 1613 Shock Distance (0.01 mi): _____
Date 9/4/06 Date 9/4/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504 765

Water Depth

Minimum: 1 Maximum: 3 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: 3 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]
Printed Name Nick Glander

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 4 Fishing Run No.: 6 Date: 9-4-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU4-06-DR-028	15.75	1 lb 13 oz		—
OU4-06-DR-029	18.25	2 lb 8 oz		—
OU4-06-DR-030	14.5	1 lb 7 oz		—
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 4 Fishing Run No.: 7 Date: 9/4/06

Gear Type: Electrofishing Bank sampled (as looking upstream): R L

Water Level: Normal Weather: Cloudy

Collector(s): MMG/AW/CAM

GPS Location: Start 44 ° 27 . 08 End 44 ° 27 . 42
88 ° 03 . 57 88 ° 03 . 33

Time (24hr): Start 1630 End 1718 Shock Distance (0.01 mi): _____
Date 9/4/06 Date 9/4/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504

Water Depth

Minimum: 1 Maximum: 4 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: 3 (>3") Other: _____

Signature _____

Printed Name Nick Glander

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: 004 Fishing Run No.: 7 Date: 9-4-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
004-06-BS-003	>3"	lb oz		3 shad over 3"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU4 Fishing Run No.: 8 Date: 9-5-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 65°F, Sunny, CALM

Collector(s): MOL, ATW, CAM

GPS Location: Start 44 ° 27 . 42 End 44 ° 28 . 09
88 ° 03 . 30 88 ° 03 . 21

Time (24hr): Start 8:30 End 10:15 Shock Distance (0.01 mi): _____
Date 9-5-06 Date 9-5-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504

Water Depth

Minimum: 1 Maximum: 4 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
Near Mouth of Creek

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 17 Emerald Shiner: _____

Gizzard Shad: 15 < 3" 5 > 3" Other: _____

Signature _____

Printed Name _____

362-8456

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 4 Fishing Run No.: 8 Date: 9/5/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU4-06-CA-002	19	3 lb 1 oz		
OU4-06-CA-003	19.25	3 lb 8 oz		
OU4-06-CA-004	18.25	2 lb 14 oz		
OU4-06-CA-005	18	2 lb 9 oz		
OU4-06-CA-006	19.25	3 lb 9 oz		
OU4-06-CA-007	20	3 lb 12 oz		
OU4-06-CA-008	19.5	3 lb 8 oz		
OU4-06-CA-009	21.5	4 lb 13 oz		
OU4-06-CA-010	21	4 lb 15 oz		
OU4-06-CA-011	20.5	4 lb 0 oz		
OU4-06-CA-012	20.5	4 lb 0 oz		
OU4-06-CA-013	19.25	3 lb 4 oz		
OU4-06-CA-014	20	4 lb 5 oz		
OU4-06-CA-015	18.25	2 lb 15 oz		
OU4-06-CA-016	21	4 lb 10 oz		
OU4-06-CA-017	22	4 lb 11 oz		
OU4-06-CA-018	21	5 lb 5 oz		
OU4-06-GS-004		lb oz		15 UNDER = 4 } 20 fish

OU4-06-GS-005 5 OVER 3"

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU4 Fishing Run No.: 9 Date: 9-5-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: _____

Collector(s): MOL, CAM, AJW

GPS Location: Start 44 ° 28 . 31 End 44 ° 29 . 31
88 ° 02 . 55 88 ° 01 . 46

Time (24hr): Start 1:05 End 3:00 Shock Distance (0.01 mi): _____

Date_____ Date_____

Generator Output @ 60 pulse 25 Duty cycle Amps: ~~504~~ 7 Volts: 504 2189 seconds

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: 1 Bass (white): _____

Carp: 7 Emerald Shiner: _____

Gizzard Shad: 11 <3" Other: _____

1 >3"

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU4 Fishing Run No.: 9 Date: 9-5-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU4-06-GS-006	<3"	lb oz		11 Shad under 3"
OU4-06-GS-007	>3"	lb oz		1 Shad over 3"
OU4-06-CC-001	16.25	1 lb 6 oz		–
OU4-06-CA-025	21	5 lb 1 oz		–
OU4-06-CA-019	19.25	3 lb 2 oz		–
OU4-06-CA-020	21.5	4 lb 13 oz		–
OU4-06-CA-021	21.5	4 lb 5 oz		–
OU4-06-CA-022	21.25	5 lb 1 oz		–
OU4-06-CA-023	21.75	5 lb 0 oz		–
OU4-06-CA-024	21.0	4 lb 4 oz		–
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 4 Fishing Run No.: 10 Date: 9-5-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 80 F, Sunny, Breezy

Collector(s): NOL, ASW, CAM

GPS Location: Start 44 ° 29 . 42 End 44 ° 29 . 28
88 ° 01 . 40 88 ° 01 . 28

Time (24hr): Start 3:02pm End 3:45 Shock Distance (0.01 mi): _____

Date_____ Date_____

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504 Seconds 637

Water Depth

Minimum: 1 Maximum: 6 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No Fish

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 4 Fishing Run No.: 11 Date: 9/6/06

Gear Type: Electroshock Bank sampled (as looking upstream): R L

Water Level: Normal Weather: _____

Collector(s): NMG, CAM, AW

GPS Location: Start 44° 32.20 End 44° 31.46
88° 00.20 88° 00.35

Time (24hr): Start 815 End 945 Shock Distance (0.01 mi): _____
Date 9/6/06 Date 9/6/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504 1225 sec

Water Depth

Minimum: 1 Maximum: 4 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: 2 OVER 3" Other: _____

Signature [signature]

Printed Name Nick Glander

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 4 Fishing Run No.: 11 Date: 9/6/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU4-06-GS-008		lb oz		7 OVER 3"
OU4-06-CA-026	17.75	2 lb 14 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 4 Fishing Run No.: 12 Date: 9/6/06

Gear Type: Electro shocking Bank sampled (as looking upstream): R L

Water Level: Normal Weather: Cloudy, windy

Collector(s): MMG, AW, CAM

GPS Location: Start 44 ° 31 . 35 End 44 ° 31 . 14
88 ° 00 . 32 88 ° 00 . 38

Time (24hr): Start 1024 End 1119 Shock Distance (0.01 mi): _____
Date 9/6/06 Date 9/6/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504

Water Depth

Minimum: 1 Maximum: 6 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 4 Fishing Run No.: 13 Date: 9/6/06

Gear Type: Electro fish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: Cloudy Windy

Collector(s): _____

GPS Location: Start 44 ° 32 . 01 End 44 ° 31 . 57
88 ° 00 . 20 88 ° 00 . 10

Time (24hr): Start 1139 End 1220 Shock Distance (0.01 mi): _____
Date 9/6/06 Date 9/6/06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 502

Water Depth

Minimum: 1 Maximum: 3 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 4 Fishing Run No.: 13 Date: 9/6/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU4-06-CA-028	18	2 lb 6 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU4 Fishing Run No.: 14 Date: 9-6-05

Gear Type: Sein Net Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 75°F, Clear, Breezy

Collector(s): JMS, MDL, AJW, CAM

GPS Location: Start 44 ° 29 . 18 End 44 ° 29 . 18 Single location
88 ° 02 . 04 88 ° 02 . 04

Time (24hr): Start 1900 End 1910 Shock Distance (0.01 mi): —
Date 9-6-05 Date 9-6-05

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 2 Maximum: 6 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
Outfall from G.P

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: 162 < 3" Other: _____

Signature Mark Love
Printed Name Mark Love

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU4 **Fishing Run No.:** 14 **Date:** 9-6-05 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU4-06-GS-009	<3"	lb oz		25 shad under 3"
OU4-06-GS-010	<3"	lb oz		"
OU4-06-GS-011	<3"	lb oz		"
OU4-06-GS-012	<3"	lb oz		" 162 fish
OU4-06-GS-013	<3"	lb oz		"
OU4-06-GS-014	<3"	lb oz		"
OU4-06-GS-015	<3"	lb oz		12 shad under 3"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU4 Fishing Run No.: 15 Date: 9-6-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 65°F, Calm

Collector(s): MOL, JMS, AJW, CAM

GPS Location: Start 44 ° 28 . 10 End 44 ° 28 . 13
88 ° 03 . 21 88 ° 03 . 27

Time (24hr): Start 8:25 End 8:55 Shock Distance (0.01 mi): _____
Date 9-6-06 Date 9-6-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504

Water Depth

Minimum: 2 Maximum: 4 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Near Creek inlet

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 3 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature Mark Love
Printed Name Mark Love

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU4 **Fishing Run No.:** 15 **Date:** 9/6/06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU4-06-CA-029	18	2 lb 11 oz		
OU4-06-CA-030	18.75	3 lb 2 oz		wormed on lower lip
OU4-06-CA-031	21.5	4 lb 12 oz		missing dorsal fin & tail
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 004 Fishing Run No.: 110 Date: 9-6-06

Gear Type: electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 65 °F, Dark, Calm

Collector(s): JMS, AJW, CAM, MOL

GPS Location: Start 44 ° 27 . 01 End 44 ° 27 . 06
88 ° 04 . 02 88 ° 03 . 57

Time (24hr): Start 9:00 End 10:25 Shock Distance (0.01 mi): .5
Date 9-6-06 Date 9-6-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504

Water Depth

Minimum: 3 Maximum: 6 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Below Dam

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: 2 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 044 **Fishing Run No.:** 16 **Date:** 9/6/06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
044-06-CC-007	22	3 lb 11 oz		
044-06-CC-003	22.75	4 lb 1 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU4 Fishing Run No.: 17 Date: 9-10-06

Gear Type: set line Bank sampled (as looking upstream): R L Neither Mid channel near rock bar ≈ 400' from dam

Water Level: normal Weather: sunny - E - NE wind

Collector(s): AJW, CAM, TMS

GPS Location: Start 44 ° 26 . 56 End (POINT) - . -
88 ° 03 . 58 — ° — . —

Time (24hr): Start 0900 End 0830 Shock Distance (0.01 mi): (POINT)
Date 9-10-06 Date 9-11-06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 5' Maximum: 6' Mean: —

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

- ≈ 400' from DePere dam, near rock bar
- Dam spilling very small amt. of water.

Total Catch

Walleye:		White Sucker:	
Drum:	0	likely Bass (smallmouth):	0
Channel Cats:	0	Bass (white):	
Carp:	0	Emerald Shiner:	0
Gizzard Shad:		Other:	

No fish

Set line worked, one large channel cat on line escaped (~30" fish)

Signature [illegible]
Printed Name ALICIA WICK

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU4 Fishing Run No.: 18 Date: 9-10-06

Gear Type: set line Bank sampled (as looking upstream): (R) L — south side of west end of RR bridge near bank

Water Level: Normal Weather: sunny E-NE wind

Collector(s): AW, JMS, CAM

GPS Location: Start 44 ° 29 . 41 End (POINT) - . -
88 ° 01 . 38 - ° - . -

Time (24hr): Start 1015 End 0845 Shock Distance (0.01 mi): (POINT)
Date 9-10-06 Date 9-11-06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: 3 Maximum: 4 Mean: —

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

RR bridge, piling, & boat wreck nearby.

Total Catch

Walleye: ↑ White Sucker: ↑

Drum: | Bass (smallmouth): |

Channel Cats: 0 Bass (white): 0

Carp: | Emerald Shiner: |

Gizzard Shad: ↓ Other: ↓

No fish

Signature [signature]

Printed Name ALICIA WICK

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU4 Fishing Run No.: 19 Date: 9-11-06

Gear Type: Set Line Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 50°F Rain Wind

Collector(s): JMS, AJW, CAM

GPS Location: Start 44 ° 29 . 41 End — ° — Point . —
88 ° 01 . 38 — ° — . —

Time (24hr): Start 1700 End ~~Point~~ 1840 Shock Distance (0.01 mi): _____
Date 9-11-06 Date 9-12-06

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 3 Maximum: 4 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

RR Bridge, pilling & boat wreck nearby

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: 1 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature _____

Printed Name _____

Next page

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 004 Fishing Run No.: 19 Date: 9-11-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
004-06-CL-004	21.25	3 lb 9 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU4 Fishing Run No.: ~~2~~ 20 Date: 9-11-06

Gear Type: Set Line Bank sampled (as looking upstream): (R) L

Water Level: normal Weather: 58° Rain wind

Collector(s): TMS, AJW, CAM

GPS Location: Start 44 ° 26 . 56 End — ° — . —
88 ° 03 . 58 — ° — . —

Time (24hr): Start 1720 End Point 1110 Shock Distance (0.01 mi): _____
Date 9-11-06 Date 9-12-06

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 5 Maximum: 6 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)
~ 400' From DePere dam, med rock bed

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: 1 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU4 Fishing Run No.: 26 Date: 9-11-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
004-06-cc - 005	19.75	2 lb 10 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU-4 Fishing Run No.: 21 Date: 10-30-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 50 °F, Windy

Collector(s): WDNR - Lee Meyer & Rod Lange

GPS Location: Start — ° — End — ° — None Provide
— ° — — ° —

Time (24hr): Start — End 8:00pm Shock Distance (0.01 mi): _____
Date — Date 10-30-06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: — Maximum: — Mean: —

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)
Rip Rap Shoreline Between Main Street & Mason Street Bridges

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
Rip Rap Shoreline

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): 3

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]
Printed Name Mark Lane

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU4 Fishing Run No.: ~~22~~ 21 Date: 10-30-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU4-06-SB-001	12.25	0 lb 15 oz		—
OU4-06-SB-002	11.0	0 lb 10 oz		—
OU4-06-SB-003	10.75	0 lb 9 oz		—
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU4 Fishing Run No.: 22 Date: 10:30.06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 50°F, windy

Collector(s): WDNR - Lee Meyer & Ron Lange

GPS Location: Start — ° — End — ° — None Provided
— ° — — ° —

Time (24hr): Start _____ End 8:00pm Shock Distance (0.01 mi): _____
Date _____ Date 10/30/06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: — Maximum: — Mean: —

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
Area Around 2nd Rail Road Bridge

Total Catch

Walleye: 5 White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature Mark Love

Printed Name Mark Love

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 004 Fishing Run No.: 22 Date: 10-30-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
004-06-Wa-017	15.25	1 lb 5 oz		—
004-06-Wa-018	12.75	0 lb 13 oz		—
004-06-Wa-019	14.75	1 lb 1 oz		—
004-06-Wa-020	15.25	1 lb 4 oz		—
004-06-Wa-021	14.5	1 lb 1 oz		—
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU4 Fishing Run No.: 23 Date: 10-31-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: _____

Collector(s): WDNR - Rod Lange

GPS Location: Start — ° — End — ° — None Provided
— ° — — ° —

Time (24hr): Start _____ End 8120 Shock Distance (0.01 mi): _____
Date _____ Date 10-31-06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: — Maximum: — Mean: —

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
Rip Rap shoreline along GP property

Total Catch

Walleye: _____	White Sucker: _____
Drum: _____	Bass (smallmouth): 1
Channel Cats: _____	Bass (white): _____
Carp: 1	Emerald Shiner: _____
Gizzard Shad: _____	Other: _____

Signature Mark Lare
Printed Name Mark Lare

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 004 **Fishing Run No.:** 23 **Date:** 10-31-06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
004-06-SB-004	15.5	2 lb 0 oz		
004-06-Ca-032	15.75	2 lb 3 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

FIELD SAMPLING FORMS

OU5A

Lower Fox River Baseline Monitoring Program
Fishing Run Log

Point Sable

OU Location: 5A Fishing Run No.: 1 Date: 9-16-06

Gear Type: 25' otter Trawl Bank sampled (as looking upstream): R L

Water Level: 1 ft below historic average Weather: Clear, Sunny

Collector(s): Matt Mangan / WDNR

GPS Location: Start 44 87 ° 32 . 913 55 . 617 End 44 87 ° 33 . 125 55 . 545

Time (24hr): Start 8:23 End 8:28 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 9.4 Maximum: 10.0 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Sand / Silt

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

None

Total Catch

Walleye: 2 White Sucker: 0

Drum: cam ~~3~~ 2 Bass (smallmouth): 0

Channel Cats: 0 Bass (white): 0

Carp: ~~1~~ 0 Emerald Shiner: ~~2~~ 0

Gizzard Shad: cam ~~217~~ 19 Other: White Perch, Carpsucker, Trout Perch

Note: WDNR recorded all fish caught regardless of size; revised numbers are for fish in target size ranges only (Runs 1 → 12) cam

Signature [signature]

Printed Name Matt Mangan

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU5A Fishing Run No.: 1 Date: 8/10/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU5A-06-WA-001	16.5	1lb 10oz		
OU5A-06-WA-002	14.75	1lb 1oz		
OU5A-06-DR-001	14.75	1lb 2oz		
OU5A-06-DR-002	11.50	10oz		
OU5A-06-GS-001		80g		(19) GS

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Point Sable

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5A Fishing Run No.: 2 Date: 8-16-06

Gear Type: 25' otter trawl Bank sampled (as looking upstream): R L

Water Level: _____ Weather: _____

Collector(s): Mangan / WDNR

GPS Location: Start 44 87 ° 33 55 . 356 456 End 44 67 ° 33 55 . 575 398

Time (24hr): Start 8:50 End 8:55 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 10.1 Maximum: 10.2 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Sand / Silt

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

None

Total Catch

Walleye:	~~3~~ 2	White Sucker:	0
Drum:	~~2~~ 1 (cam)	Bass (smallmouth):	0
Channel Cats:	0	Bass (white):	0
Carp:	0	Emerald Shiner:	0
Gizzard Shad:	~~416~~ (c.a.m.) 29	Other:	White Perch, Trout Perch

Signature [signature]

Printed Name Matt Mangan

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: 05A Fishing Run No.: 2 Date: 8/16/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU5A-06-WA-003	14.5	1lb		
OU5A-06-WA-004	16.25	1lb 9oz		
OU5A-06-DR-003	14.5	1lb 4oz		
OU5A-06-GS-002		150g		(29) GS

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Point Sable

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5A Fishing Run No.: 3 Date: 8-16-06

Gear Type: 25' otter trawl Bank sampled (as looking upstream): R L

Water Level: _____ Weather: _____

Collector(s): Mangan / WDNR

GPS Location: Start 44 87 ° 34.171 54.882 End 44 87 ° 33.955 54.904

Time (24hr): Start 9:18 End 9:23 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 9.3 Maximum: 9.9 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Silt / Sand

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

None

Total Catch

Walleye: 1 White Sucker: 0

Drum: cam ~~4~~ 4 Bass (smallmouth): 0

Channel Cats: 0 Bass (white): 0

Carp: 0 Emerald Shiner: 0

Gizzard Shad: cam ~~186~~ 25 Other: Trout Perch, White Perch

Signature [signature]

Printed Name Matt Mangan

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 05A Fishing Run No.: 3 Date: 8/16/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
045A-06-WA-005	18.0	2lb 3oz		
045A-06-DR-004	13.25	1lb		
045A-06-DR-005	14.5	1lb 1oz		
045A-06-DR-006	13.5	1lb 2oz		
045A-06-DR-007	12.5	1lb		
045A-06-GS-003		120g		(25) GS

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Point sable

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5A Fishing Run No.: 4 Date: 8-16-06

Gear Type: 25' otter trawl Bank sampled (as looking upstream): R L

Water Level: _____ Weather: _____

Collector(s): Mangan / WDNR

GPS Location: Start 44 87 ° 33.894 55.007 End 44 87 ° 33.682 55.091

Time (24hr): Start 9:53 End 9:58 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 9.7 Maximum: 9.8 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Silt / Sand

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

None

Total Catch

Walleye: 1 White Sucker: 0

Drum: can ~~23~~ 3 Bass (smallmouth): 0

Channel Cats: 0 Bass (white): ~~1~~ 0

Carp: 1 Emerald Shiner: 0

Gizzard Shad: ~~295~~ can 50 Other: Trout Perch, White Perch

Signature [signature]

Printed Name Matt Mangan

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 05A Fishing Run No.: 4 Date: 8/16/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU5A-06-DR-008	12.0	12oz		
OU5A-06-DR-009	15.0	1lb 6oz		
OU5A-06-DR-010	15.0	1lb 10oz		
009 ~~OU5A-06-DR-011~~				
OU5A-06-GS-004		80g		(25) GS
OU5A-06-GS-005		80g		(25) GS

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Point Sable

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5A Fishing Run No.: 5 Date: 8-16-06

Gear Type: 25' otter trawl Bank sampled (as looking upstream): R L

Water Level: _____ Weather: _____

Collector(s): Mangan / WDNR

GPS Location: Start 44 87 ° 33.601 55 . 202 End 44 87 ° 33.392 55 . 244

Time (24hr): Start 10:15 End 10:20 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 9.7 Maximum: 10.0 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Silt / Sand

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

None

Total Catch

Walleye: 0 White Sucker: 0

Drum: con ~~45~~ 3 Bass (smallmouth): 0

Channel Cats: 1 Bass (white): 1

Carp: 2 Emerald Shiner: 0

Gizzard Shad: con ~~42~~ 25 Other: White Perch, Trout Perch

Signature [signature]

Printed Name Matt Mangan

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OSA Fishing Run No.: 5 Date: 8/16/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU5A-06-DR-011	13.5	1lb 2oz		
OU5A-06-DR-012	10.0	7oz		
OU5A-06-DR-013	10.75	7oz		
OU5A-06-CC-001	16.5	1lb 11oz		
OU5A-06-CA-001	13.25	1lb 3oz		
OU5A-06-CA-002	14.0	1lb 11oz		
OU5A-06-GS-006		90g		(25) GS

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

Point Sable

OU Location: 5A Fishing Run No.: 6 Date: 8-16-06

Gear Type: 25' otter trawl Bank sampled (as looking upstream): R L

Water Level: _____ Weather: _____

Collector(s): Mangan/WDNR

GPS Location: Start 44 87 ° 33.786 55 . 308 End 44 87 ° 33.088 35 . 417

Time (24hr): Start 10:39 End 10:44 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 9.3 Maximum: 9.4 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Silt/Sand

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

None

Total Catch

Walleye: can ~~5~~ 2 White Sucker: 0

Drum: can 17 0 Bass (smallmouth): 0

Channel Cats: can ~~3~~ 0 Bass (white): 0

Carp: 0 Emerald Shiner: 0

Gizzard Shad: ~~425~~ 0 Other: Trout Perch, White Perch

Signature [signature]

Printed Name Matt Mangan

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 05A Fishing Run No.: 6 Date: 8/16/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
05A-06-WA-006	16.0	1lb 10oz		
05A-06-WA-007	15.75	1lb 7oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Point Sable

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5A Fishing Run No.: 7 Date: 8-16-06

Gear Type: 25' otter trawl Bank sampled (as looking upstream): R L

Water Level: _____ Weather: _____

Collector(s): Mangan / WDNR

GPS Location: Start 44° 33.780 87° 55.807 End 44° 32.987 87° 55.907

Time (24hr): Start 11:07 End 11:12 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 9.2 Maximum: 9.9 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Sand / Silt

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

None

Total Catch

Walleye: 1 White Sucker: 0

Drum: can ~~20~~ 1 Bass (smallmouth): 0

Channel Cats: 0 Bass (white): 0

Carp: 0 Emerald Shiner: ~~1~~ 0

Gizzard Shad: can ~~187~~ 0 Other: White Perch, Trout Perch

Signature [signature]

Printed Name Matt Mangan

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 5A Fishing Run No.: 7 Date: 8/16/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU5A-06-WA-008	14.0	1lb		
OU5A-06-DR-014	10.0	5oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

Poin' Sable

OU Location: OU5A Fishing Run No.: 8 Date: 8/16/06

Gear Type: 25' otter trawl Bank sampled (as looking upstream): R L

Water Level: 21 ft below Historical Average Weather: Clear / Sunny

Collector(s): Matt Mangan / WDNR

GPS Location: Start 44° 87 32 56 712 .014 End 44 87 32 56 985 .022

Time (24hr): Start 11:30 End 11:35 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 9.2 Maximum: 9.8 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Sand/silt

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

None

Total Catch

Walleye:	cam ~~1~~ 0	White Sucker:	Ø
Drum:	cam ~~22~~ 1	Bass (smallmouth):	Ø
Channel Cats:	Ø	Bass (white):	cam ~~1~~ 0
Carp:	Ø	Emerald Shiner:	Ø
Gizzard Shad:		Other:	Trout Perch, White Perch

Signature [signature] Signed By

Printed Name Matt Mangan / WDNR Nick Glander

1 PS 8 [illegible] WDNR

Start 44 32.712
87 56.014

End 44 32.925
87 56.022

Depth Min 9.2 Max 9.8

Time 11:30 - 11:35

Walleye 1
Drum 22
Channel Cats 0
Carp 0
Gizzard Shad ___
White Sucker 0
Smallmouth 0

White Bass [illegible]
Emerald Shiner 0
Other
Trout
Perch
White Perch

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 05A Fishing Run No.: 8 Date: 8/16/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU5A-06-DR-015	11.0	7.02		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

Point Stable

OU Location: 5A Fishing Run No.: 9 Date: 8/16/06

Gear Type: 25' otter trawl Bank sampled (as looking upstream): R L

Water Level: ~1 ft below historical average Weather: Clear/Sunny

Collector(s): Matt Mangan

GPS Location: Start 44 87 ° 32 56 . 689 070 End 44 87 ° 32 56 . 798 335

Time (24hr): Start 1156 End 1201 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 9.1 Maximum: 9.3 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

SAND/silt

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

NONE

Total Catch

Walleye: ~~2~~ 0 White Sucker: Ø

Drum: 2 Bass (smallmouth): Ø

Channel Cats: Ø Bass (white): Ø

Carp: Ø Emerald Shiner: ~~1~~ 0

Gizzard Shad: ~~385~~ 0 Other: Trout Perch/White Perch

Signature [signature] signed By

Printed Name Matt Mangan Nick Glauser
WDNR

PS 9 Matt T. Mayer WDNR

Start 44 32.689
87 56.076

End 44 32.798
87 56.335

Depth Min 9.1 Max 9.3

Time 11:56-12:01

Walleye	2	Smallmouth Bass	0
Drum	2	White Bass	0
Channel Cats	0	Emerald Shiner	1
Carp	0	other	
Gizzard Shad	385	Trout Perch	
White Sucker	0	White Perch	

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: 05A **Fishing Run No.:** 9 **Date:** 8/16/06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
05A-06-DR-016	14.0	1lb 2oz		
05A-06-DR-017	14.25	1lb 2oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Point Sable

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: _____ Fishing Run No.: 10 Date: 8-16-06

Gear Type: _____ Bank sampled (as looking upstream): R L

Water Level: _____ Weather: _____

Collector(s): Mangan / WDNR

GPS Location: Start 44 87 . 32.864 56 . 503 End 44 87 . 32.882 56 . 804

Time (24hr): Start 12:20 End 12:25 ~~Shock Distance (0.01 mi):~~ NA

~~Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____~~ NA

Water Depth

Minimum: 9.6 Maximum: 9.9 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Sand / silt

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

None

Total Catch

Walleye:	1	White Sucker:	0
Drum:	can 7 4	Bass (smallmouth):	0
Channel Cats:	0	Bass (white):	0
Carp:	0	Emerald Shiner:	0
Gizzard Shad:	can 381 0	Other:	White Perch, Trout Perch

- Finclips?
- Cut Fin
- Location

Signature: Matt T. Mangan

Printed Name: Matt Mangan

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: 05A Fishing Run No.: 10 Date: 8/16/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU5A-06-DR-018 ~~055~~	13.0	1 lb		
OU5A-06-DR-019	14.5	1 lb 1 oz		
OU5A-06-DR-020	14.0	1 lb 2 oz		
OU5A-06-DR-021	14.0	1 lb 2 oz		Growth on right rear tail 0.5 in x 0.5 in

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU5A Fishing Run No.: 11 Date: 9/5/06

Gear Type: Electro Fish Bank sampled (as looking upstream): R L

Water Level: _____ Weather: _____

Collector(s): Rodney Lange / WDNR

GPS Location: Start ____ ° ____ . ____ End ____ ° ____ . ____
____ ° ____ . ____ ____ ° ____ . ____

Time (24hr): Start 1800 End _____ Shock Distance (0.01 mi): _____
Date 9/5/06 Date _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
East Shore - South (inside) of Point Sable

Total Catch

Walleye:	7	White Sucker:	0
Drum:	10	Bass (smallmouth):	5
Channel Cats:	0	Bass (white):	0
Carp:	13	Emerald Shiner:	0
Gizzard Shad:	0	Other:	0

Signature _____
Printed Name ~~[illegible]~~ RODNEY LANGE
AW

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU5A Fishing Run No.: 11 Date: 8/5/06 Page 1 of 2

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU5A-06-CA-003	13	1 lb 5 oz		
OU5A-06-CA-004	14	1 lb 6 oz		oddly shaped / size scales & irregular & missing scales
OU5A-06-CA-005	13.5	1 lb 5 oz		
OU5A-06-CA-006	11.75	1 lb 3 oz		
OU5A-06-CA-007	14	1 lb 8 oz		
OU5A-06-CA-008	15.25	1 lb 13 oz		
OU5A-06-CA-009	13.5	1 lb 9 oz		
OU5A-06-CA-010	13.0	1 lb 6 oz		
OU5A-06-CA-011	13.75	1 lb 8 oz		
OU5A-06-CA-012	14	1 lb 13 oz		
OU5A-06-CA-013	14	1 lb 9 oz		
OU5A-06-SB-001	13.25	1 lb 7 oz		
OU5A-06-SB-002	11.25	1 lb 13 oz		
OU5A-06-SB-003	12.25	1 lb 3 oz		
OU5A-06-SB-004	9.75	0 lb 10 oz		
OU5A-06-CA-014	14	1 lb 7 oz		
OU5A-06-CA-015	13.25	1 lb 3 oz		
OU5A-06-WA-009	18	2 lb 0 oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU5A Fishing Run No.: 11 Date: 9-5-06 Page 2 of 2

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU5A-06-DR-022	13.0	1 lb 3 oz		
OU5A-06-DR-023	13.5	1 lb 1 oz		
OU5A-06-DR-024	12.5	1 lb 0 oz		
OU5A-06-DR-025	16.75	2 lb 0 oz		
OU5A-06-DR-026	16.25	2 lb 5 oz		Caudal fin damage
OU5A-06-DR-027	15.25	1 lb 15 oz		Caudal fin damage
OU5A-06-DR-028	13.5	1 lb 4 oz		
OU5A-06-DR-029	15.0	1 lb 12 oz		
OU5A-06-DR-030	16.75	1 lb 14 oz		
OU5A-06-DR-031	12.0	— lb 14 oz		
OU5A-06-~~DR~~ WA-010	18.5	2 lb 8 oz		
OU5A-06-WA-011	18.0	2 lb 0 oz		
OU5A-06-WA-012	14.75	1 lb 1 oz		
OU5A-06-WA-013	16.25	1 lb 7 oz		
OU5A-06-WA-014	19.0	2 lb 3 oz		
OU5A-06-WA-015	20	3 lb 2 oz		
		lb oz		
		lb oz		

AW

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5A Fishing Run No.: 12 Date: 9-6-06

Gear Type: Electrofishing Bank sampled (as looking upstream): R L

Water Level: _____ Weather: _____

Collector(s): WDNR - Rod Lange

GPS Location: Start ____°____.____ End ____°____.____
____°____.____ ____°____.____

Time (24hr): Start ~1700 End _____ Shock Distance (0.01 mi): _____
Date 9-6-06 Date _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

West Shore - South (inside) of Longtail Point

Total Catch

Walleye: Ø White Sucker: Ø

Drum: Ø Bass (smallmouth): Ø

Channel Cats: Ø Bass (white): Ø

Carp: Ø Emerald Shiner: Ø

Gizzard Shad: Ø Other: _____

Data sheet completed on behalf of WDNR

No fish

Signature _____

Printed Name _____

Note: Run 12 (DNF w/ no catch

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU5A Fishing Run No.: 13 Date: 9-12-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 55°F, Raining

Collector(s): Mol, ASW

GPS Location: Start 44 ° 33 . 57 End [illegible] ° 33 . 51
88 ° 03 . 02 88 ° 02 . 22

Time (24hr): Start 10:20 End 11:15 Shock Distance (0.01 mi): _____
Date_____ Date_____

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504

Water Depth

Minimum: 2 Maximum: 4 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Urban Shoreline

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish

Signature Mark Lane

Printed Name Mark Lane

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU5A Fishing Run No.: ~~13~~ 14 Date: 9-12-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 55°F, Rain

Collector(s): [illegible], [illegible]

GPS Location: Start 44 ° 35 . 51 End 44 ° 35 . 84
88 ° 03 . 10 88 ° 02 . 57

Time (24hr): Start 11:20 End 12:00 Shock Distance (0.01 mi): _____
Date 9-12 Date 9-12

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish

Signature [illegible]

Printed Name Mark Love

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 0050 Fishing Run No.: 15 Date: 9-12-06

Gear Type: electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 60°F, Rain

Collector(s): Mik, ASW

GPS Location: Start 44 ° 37 . 53 End 44 ° 37 . 53
88 ° 00 . 52 88 ° 00 . 34

Time (24hr): Start 1:00p End 2:20 Shock Distance (0.01 mi): _____
Date 9-12 Date 9-12

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 504

Water Depth

Minimum: 2 Maximum: 6 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature Mark Lane

Printed Name Mark Lane

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU5A **Fishing Run No.:** 15 **Date:** 9-12-06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU5A-06-CA-01b	13.25	1 lb 9 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

15

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5A Fishing Run No.: 16 Date: 9-12-06

Gear Type: Set Line Bank sampled (as looking upstream): R L

Water Level: normal Weather: 55° Wind Rain

Collector(s): Dris CAM

GPS Location: Start 44° 33.28 End Point
87° 59.40 °

Time (24hr): Start 1330 End _____ Shock Distance (0.01 mi): —
Date 9-12-06 Date _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 4 Maximum: 7 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish

Signature _____

Printed Name _____

2nd

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5A Fishing Run No.: 17 Date: 9-12-06

Gear Type: Set Line Bank sampled (as looking upstream): R L

Water Level: normal Weather: 55° Rain windy

Collector(s): JMS CAM

GPS Location: Start 44 ° 33 . 28 End Point
87 ° 59 . 48 ° .

Time (24hr): Start 1350 End 9:30 Shock Distance (0.01 mi): _____
Date 9-12-06 Date 9-14-06

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 4 Maximum: 7 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: 1 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 5A Fishing Run No.: 17 Date: ~~9/11/06~~ 9/12/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU5A-06-CC-002	20.75"	3 lb 9 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

3rd

OU Location: 5A Fishing Run No.: 18 Date: 9-12-06

Gear Type: Set Line Bank sampled (as looking upstream): R L

Water Level: normal Weather: 55° Rain windy

Collector(s):

GPS Location: Start 44° 32 . 35 End Point
88° 00 . 27 ° .

Time (24hr): Start 1410 End 0910 Shock Distance (0.01 mi):
Date 9-12-06 Date 9-14-06

Generator Output @ 60 pulse 25 Duty cycle Amps: Volts:

Water Depth

Minimum: 3 Maximum: 5 Mean:

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: White Sucker:

Drum: Bass (smallmouth):

Channel Cats: Bass (white):

Carp: Emerald Shiner:

Gizzard Shad: Other:

No fish collected.

Signature

Printed Name Jason Sim

Caught (1)
25"

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5A Fishing Run No.: 19 Date: 9-12-00

Gear Type: set line Bank sampled (as looking upstream): R L

Water Level: normal Weather: 55° wind rain

Collector(s): JMS, CAM

GPS Location: Start 44 ° 32 .27 End Point
88 ° 59 .58 ° .

Time (24hr): Start 1435 End 1025 Shock Distance (0.01 mi): _____
Date 9-12-00 Date 9-14-00

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 6 Maximum: 8 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish collected.

Signature _____

Printed Name _____

(1) 30"

Lower Fox River Baseline Monitoring Program
Fishing Run Log

5th

OU Location: 5A Fishing Run No.: **20** Date: 9-12-06

Gear Type: Set Line Bank sampled (as looking upstream): R L

Water Level: normal Weather: 55° Windy Rain

Collector(s): JMS CAM

GPS Location: Start 44 ° 32 . 33 End Point . .
87 ° 59 . 30 ° . .

Time (24hr): Start 1520 End 1035 Shock Distance (0.01 mi): _____
Date 9-12-06 Date 9-14-06

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 2 Maximum: 4 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish collected.

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5A Fishing Run No.: 21 Date: 9-12-06

Gear Type: set line Bank sampled (as looking upstream): R L

Water Level: normal Weather: 55° Rain Wind

Collector(s): DMC CAM

GPS Location: Start 44 ° 32 . 20 End ____ ° ____ . ____
87 ° 59 . 22 ____ ° ____ . ____

Time (24hr): Start 1545 End 1050 Shock Distance (0.01 mi): ____
Date 9-12-06 Date 9-14-06

Generator Output @ 60 pulse 25 Duty cycle Amps: ____ Volts: ____

Water Depth

Minimum: ____ Maximum: ____ Mean: ____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: ____ White Sucker: ____

Drum: ____ Bass (smallmouth): ____

Channel Cats: ____ Bass (white): ____

Carp: ____ Emerald Shiner: ____

Gizzard Shad: ____ Other: ____

No fish collected.

Signature ____

Printed Name ____

FIELD SAMPLING FORMS

OU5B

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: SB Fishing Run No.: 1 Date: 9-1-06

Gear Type: Electrofisher Bank sampled (as looking upstream): R (L)

Water Level: Normal Weather: clear Mono NE 10

Collector(s): [illegible] DMS AW

GPS Location: Start 44° 38.18 End 44° 37.69
87° 48.06 87° 48.56

Time (24hr): Start 1010 End 1100 Shock Distance (0.01 mi): 1.0
Date 9-1-06 Date 9-1-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 30 1 13 HZ sec.

Water Depth

Minimum: 2 Maximum: 6 Mean: 5

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: 3 White Sucker: _____

Drum: 1 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: 10 OVER 3" Other: _____

Signature [signature]

Printed Name [illegible]

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 5B Fishing Run No.: 1 Date: 9/1/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU5B-06-DR-001	20.5	5 lb 8 oz		
OU5B-06-CA-001	13.5	1 lb 3 oz		
OU5B-06-WA-001	18.25	2 lb 0 oz		
OU5B-06-WA-002	18.75	2 lb 1 oz		
OU5B-06-WA-003	17.75	1 lb 12 oz		
OU5B-06-~~GE~~ SS 001		lb oz		10 OVER 3"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5B Fishing Run No.: 2 Date: 9-1-06

Gear Type: e-shock Bank sampled (as looking upstream): R (L)

Water Level: _____ Weather: _____

Collector(s): _____

GPS Location: Start 44° 38.23 End 44° 38.20
47° 47.06 88° 46.59

Time (24hr): Start 1130 End 1144 Shock Distance (0.01 mi): _____
Date _____ Date _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____ 271

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

There were two Run #3's (AW)
~~See Fishing Run #3~~

OU Location: [illegible] Fishing Run No.: 3A Date: [illegible]

Gear Type: _____ Bank sampled (as looking upstream): R L

Water Level: _____ Weather: _____

Collector(s): _____

GPS Location: Start 44 ° 36 . 31 End 44 ° 36 . 44
87 ° 46 . 20 87 ° 46 . 08

Time (24hr): Start 1200 End 1317 Shock Distance (0.01 mi): _____
Date _____ Date _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____ 362

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

There were two Run #3s. (AW)

OU Location: 5b Fishing Run No.: 3B Date: 9-1-06

Gear Type: Electrofishing Bank sampled (as looking upstream): R (L)

Water Level: [illegible] Weather: [illegible]

Collector(s): [illegible]

GPS Location: Start 44 ° 40 . 08 End 44 ° 39 . 47
87 ° 44 . 50 87 ° 45 . 10

Time (24hr): Start 1300 End 1340 Shock Distance (0.01 mi): _____
Date [illegible] Date [illegible]

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 5011 1049

Water Depth

Minimum: 2 Maximum: 10 Mean: 6

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish

Signature [illegible]

Printed Name [illegible]

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: SB Fishing Run No.: 4 Date: 9-1-06

Gear Type: [illegible] Bank sampled (as looking upstream): R L

Water Level: Normal Weather: [illegible]

Collector(s): [illegible]

GPS Location: Start ~~44~~ 43 ° 39 . 47 End 44 ° 38 . 47
87 ° 45 . 10 87 ° 45 . 50

Time (24hr): Start 1400 End 1425 Shock Distance (0.01 mi): 1.0
Date____ Date____

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504 450 [illegible]

Water Depth

Minimum: 2 Maximum: 10 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: ____ White Sucker: ____

Drum: ____ Bass (smallmouth): ____

Channel Cats: ____ Bass (white): ____

Carp: ____ Emerald Shiner: ____

Gizzard Shad: ____ Other: ____

no fish

Signature [signature]
Printed Name [illegible]

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 35B Fishing Run No.: 5 Date: 9-2-06

Gear Type: Electrofishing Bank sampled (as looking upstream): R (L)

Water Level: [illegible] Weather: Partly Cloudy

Collector(s): [illegible]

GPS Location: Start 44 ° 38 .46 End 44 ° 38 .03
87 ° 4 .52 87 ° 44 .51

Time (24hr): Start [illegible] End 0833 Shock Distance (0.01 mi): 1.5
Date 9-2-06 Date 09-02-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504 2419 SZC

Water Depth

Minimum: 1 Maximum: 10 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

[illegible] boat launch

Total Catch

Walleye: 4 White Sucker: 3

Drum: 2 Bass (smallmouth): 1

Channel Cats: Bass (white):

Carp: Emerald Shiner:

Gizzard Shad: 62 over 3" Other:

Signature [illegible]

Printed Name [illegible]

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 5B **Fishing Run No.:** 5 **Date:** 9/2/06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OUSB-06-WS-001	17	1 lb 10 oz		
OUSB-06-WS-002	17	1 lb 12 oz		
OUSB-06-WS-003	18.25	2 lb 6 oz		
OUSB-06-DR-002	20.25	4 lb 7 oz		
OUSB-06-DR-003	13.75	1 lb 1 oz		
OUSB-06-WA-004	19.75	3 lb 8 oz		
OUSB-06-WA-005	18.25	3 lb 7 oz		
OUSB-06-WA-006	16.5	1 lb 12 oz		
OUSB-06-WA-007	18.75	2 lb 6 oz		
OUSB-06-SB-001	11.25	1 lb 12 oz		
OUSB-06-GS-002		lb oz		25 over 3"
OUSB-06-GS-003		lb oz		25 over 3"
OUSB-06-GS-004		lb oz		12 over 3"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5b Fishing Run No.: 6 Date: 9-2-06

Gear Type: Electro Fishing Bank sampled (as looking upstream): R (L)

Water Level: Normal Weather: Partly cloudy wind NE 15

Collector(s): WSK DMS AW

GPS Location: Start 44 ° 51 . 03 End 44 ° 50 . 06
87 ° 32 . 58 87 ° 33 . 40

Time (24hr): Start 1031 End 1221 Shock Distance (0.01 mi): 2.5

Date 9-2-06 Date 9-2-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 50.1 2710 SX.

Water Depth

Minimum: 1 Maximum: 6 Mean: 5

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: 2

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 5 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 5B Fishing Run No.: 6 Date: 9/2/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OUSB-06-CA-002	14.75	1 lb 14 oz		
OUSB-06-CA-003	13	1 lb 7 oz		
OUSB-06-CA-004	11.5	1 lb 0 oz		
OUSB-06-CA-005	13.5	1 lb 6 oz		
OUSB-06-CA-006	12.5	1 lb 5 oz		
OUSB-06-WS-004	12.75	0 lb 14 oz		14 oz
OUSB-06-WS-005	18.75	2 lb 3 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5b Fishing Run No.: 7 Date: 9-2-06

Gear Type: Electrofish. Bank sampled (as looking upstream): R L

Water Level: normal Weather: clear wind N 20

Collector(s): WSK AW DMS

GPS Location: Start 44 ° 50 . 08 End 44 ° 49 . 39
87 ° 37 . 17 87 ° 33 . 14

Time (24hr): Start 1310 End 1436 Shock Distance (0.01 mi): 1.5
Date_____ Date_____

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 604 186355

Water Depth

Minimum: 1 Maximum: 6 Mean: 3

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]
Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: SB Fishing Run No.: 7 Date: 9/2/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OUSB-06-CA-007	11.5	lb 14 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5B Fishing Run No.: 8 Date: 9-3-06

Gear Type: Electrofisher Bank sampled (as looking upstream): R (L)

Water Level: normal Weather: [illegible]

Collector(s): WSK SMS AW

GPS Location: Start 44° 38' .18 End 44° 37' .69
87° 48' .06 87° 48' .56

Time (24hr): Start 0530 End 0730 Shock Distance (0.01 mi): %
Date 9-3-06 Date 9-3-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504 4800

Water Depth

Minimum: 2 Maximum: 10 Mean: 6

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Rip rap on Bank Lawns

Total Catch

Walleye: 7 White Sucker: 3

Drum: 3 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: 77 over 3" Other: _____

Signature [signature]
Printed Name Walter Klock

Lower Fox River Baseline Monitoring Program
Fish Sampling Data Sheet

OU Location: SB Fishing Run No.: 8 Date: 9/3/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OUSB-06-WS-006	16.75	1 lb 5 oz		
OUSB-06-WS-007	16	1 lb 9 oz		
OUSB-06-WS-008	18	1 lb 15 oz		
OUSB-06-DR-004	17.5	2 lb 15 oz		
OUSB-06-DR-005	17	2 lb 7 oz		
OUSB-06-DR-006	14.75	1 lb 7 oz		
OUSB-06-WA-008	17.75	1 lb 10 oz		
OUSB-06-WA-009	17.25	1 lb 8 oz		
OUSB-06-WA-010	18.25	2 lb 0 oz		
OUSB-06-WA-011	16	1 lb 4 oz		
OUSB-06-WA-012	18.75	2 lb 1 oz		
OUSB-06-WA-013	18.25	1 lb 13 oz		
OUSB-06-WA-014	16.5	1 lb 4 oz		
OUSB-06-GS-005		lb oz		25 OVER 3"
OUSB-06-GS-006		lb oz		25 OVER 3"
OUSB-06-GS-007		lb oz		25 OVER 3"
OUSB-06-GS-008		lb oz		2 OVER 3"
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5B Fishing Run No.: 9 Date: 9-3-06

Gear Type: Electrofishing Bank sampled (as looking upstream): R L

Water Level: normal Weather: clear calm

Collector(s): USX TMC, AW

GPS Location: Start 44 ° 37 . 39 End 44 ° 38 . 55
87 ° 46 . 01 87 ° 45 . 37

Time (24hr): Start 0750 End 0820 Shock Distance (0.01 mi): 60
Date_____ Date_____

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504 587 sec

Water Depth

Minimum: 2 Maximum: 10 Mean: 6

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Vegs. SAVs 2 rock piles

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish

Signature [signature]

Printed Name [illegible]

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: SR Fishing Run No.: 10 Date: 9-3-06

Gear Type: Electrofisher Bank sampled (as looking upstream): R (L)

Water Level: Normal Weather: cloudy wind 0

Collector(s): WSK AW

GPS Location: Start 44 ° 37 . 45 End 44 ° 38 . 17
87 ° 49 . 20 87 ° 48 . 09

Time (24hr): Start 0845 End 0950 Shock Distance (0.01 mi): 3.0
Date 9-3-06 Date 9-3-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504

Water Depth

Minimum: 3 Maximum: 10 Mean: 6

Substrate
(silt, sand, (gravel), (rip rap), organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, (channel features), hydrology, etc.)

Boat launch [illegible]

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: 7 OVER 3" Other: _____

Signature [signature]

Printed Name Wolfgang Klock

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 5B Fishing Run No.: 10 Date: 9/3/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU5B-06 - GS-009		lb oz		7 OVER 3"
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5B Fishing Run No.: 11 Date: 9-4-06

Gear Type: Elec. No Fishing Bank sampled (as looking upstream): R (L)

Water Level: Normal Weather: Partly cloudy wind E-5

Collector(s): WSK AW

GPS Location: Start 44° 38 . 17 End 44° 38 . 19
87° 48 . 44 87° 47 . 59

Time (24hr): Start 0515 End 0610 Shock Distance (0.01 mi): 1.5
Date 9-4-06 Date 9-4-06

Generator Output @ 60 pulse 25 Duty cycle Amps: 6 Volts: 504

Water Depth

Minimum: 2 Maximum: 6 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: 3 White Sucker: 3

Drum: 11 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name [illegible]

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 5B Fishing Run No.: 11 Date: 9/4/06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OUSB-06-WA-015	19.5	2 lb 5 oz		
OUSB-06-DR-007	13.25	1 lb 1 oz		
OUSB-06-WS-009	16.5	1 lb 7 oz		RED MARK under mouth
OUSB-06-WA-016	19	2 lb 5 oz		
OUSB-06-DR-008	19.5	3 lb 13 oz		
OUSB-06-DR-009	15.75	1 lb 11 oz		
OUSB-06-DR-010	15.5	1 lb 8 oz		
OUSB-06-DR-011	19.25	3 lb 9 oz		
OUSB-06-DR-012	16.5	1 lb 14 oz		
OUSB-06-DR-013	12.25	lb 11 oz		
OUSB-06-DR-014	15.75	1 lb 14 oz		
OUSB-06-DR-015	14	1 lb 1 oz		
OUSB-06-DR-016	18.5	3 lb 0 oz		
OUSB-06-DR-017	12.75	lb 14 oz		
OUSB-06-WS-010	20.25	2 lb 11 oz		
OUSB-06-WS-011	18.75	2 lb 0 oz		
OUSB-06-WA-017	17.25	1 lb 12 oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU5B Fishing Run No.: 12 Date: 9-14-06

Gear Type: electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 50°F, Calm, after 4-day storm w/ N/NE winds up to ~25 kts.

Collector(s): MOL, ASW

GPS Location: Start 44 ° 38 . 17 End ° 38 . 16
87 ° 48 . 11 ° 48 . 19

Time (24hr): Start 05:30 End _____ Shock Distance (0.01 mi): _____
Date_____ Date_____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
• Bay Shore Park breakwall & riprap - before daybreak.

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]
Printed Name ALICIA J WICK

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU5B Fishing Run No.: _____ Date: 9-14-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU5B-06-CA-1008	17.5"	2 lb 9 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 005B Fishing Run No.: 13 Date: 9-14-06

Gear Type: electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 60°F, Sunny, calm, after 4-day storm w N/NE winds up to ~25 kts.

Collector(s): Mol, Cam

GPS Location: Start 44 ° 50 . 42 / 88 ° 33 . 13 End 44 ° 49 . 48 / 87 ° 33 . 18

Time (24hr): Start 07:45 Date 9-14-06 End 9:45 Date _____ Shock Distance (0.01 mi): -

Generator Output @ 60 pulse 25 Duty cycle Amps: 7 Volts: 501

Water Depth

Minimum: 2 Maximum: 6 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: 1 Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature ALICIA WICK

Printed Name ALICIA WICK

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 5B Fishing Run No.: 13 Date: 9-14-06 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU5B-CA-06-009	15.75"	1 lb 14 oz		Sunken eyes, fin erosion; dorsal scale loss
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU5B Fishing Run No.: 14 Date: 10-24-06

Gear Type: Electrofish Bank sampled (as looking upstream): R L

Water Level: Normal Weather: 35°F

Collector(s): WDNR - Rod Lange

GPS Location: Start — End —

Time (24hr): Start _____ End 10:00 Shock Distance (0.01 mi): _____

Date _____ Date 10-24-06

Generator Output @ 60 pulse 25 Duty cycle Amps: — Volts: —

Water Depth

Minimum: — Maximum: — Mean: —

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)
Oconto River - Just Downstream from Ashax Island

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): 2

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature Mark Love
Printed Name Mark Love

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: SB **Fishing Run No.:** 14 **Date:** 10-24-06 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OUSB-06-SB-002	13.5	1 lb 4 oz		—
OUSB-06-SB-003	19.0	1 lb 14 oz		—
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

2007 SUPPLEMENTAL FIELD SAMPLING FORMS

FIELD SAMPLING FORMS

LWB

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 1 Date: 6-22-2007

Gear Type: rod + reel Bank sampled (as looking upstream): R L East shore

Water Level: _____ Weather: Sunny 75°

Collector(s): Simons + Bergeon

GPS Location: Start 43 ° 58 . 55.4 End 43 ° 59 . 03.3
88 19 43.9 88 19 54.8

Time (24hr): Start 1500 End 1700 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: 111 Bass (smallmouth): 5 <10" HT 1

Channel Cats: 1 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: Sheepsh

Signature _____

Printed Name Jay Simons

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: LWB **Fishing Run No.:** A11 **Date:** 6-22-2007 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-07-SB-001	~~13.5~~ 13.5	1.4		
LWB-07-SB-002	10.25	0.9		
LWB-07-SB-003	14.1	1.2		
LWB-07-SB-004	10.0	0.5		
LWB-07-SB-005	16.25	2.0		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 2 Date: 6-22-2007

Gear Type: rod + reel Bank sampled (as looking upstream): R L east shore

Water Level: _____ Weather: Sunny 75°

Collector(s): Simons + Bergeon

GPS Location: Start 43° 58 . 55.4 End 43° 59 . 13.3
88 19 43.9 88 19 57.7

Time (24hr): Start 1700 End 1730 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: 1 White Sucker: _____

Drum: 1 Bass (smallmouth): _____ <10" 1

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature _____

Printed Name Jay Simons

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 3 Date: 6-22-2007

Gear Type: rod + reel Bank sampled (as looking upstream): R L East Shore

Water Level: _____ Weather: Sunny 80°

Collector(s): Simons + Bergeon

GPS Location: Start 43 ° 58 . 52.7 / 88 19 49.6 End 43 ° 59 . 02.9 / 88 19 55.0

Time (24hr): Start 1740 End 1800 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch 0

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature _____

Printed Name DM Simons

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 4 Date: 6-22-2007

Gear Type: Rod + Reel Bank sampled (as looking upstream): R L East shore

Water Level: _____ Weather: Sunny 75°

Collector(s): Simons + Bergman

GPS Location: Start 43 ° 56 . 39.9 End 43 ° 56 . 48.4
88 19 27.2 88 19 32.2

Time (24hr): Start 1805 End 1825 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: 1 White Sucker: _____

Drum: 1 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name JM Simon

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 5 Date: 6-22-2007

Gear Type: rod + reel Bank sampled (as looking upstream): R L east shore

Water Level: _____ Weather: Sunny 75°

Collector(s): Simons + Bergeon

GPS Location: Start 43 ° 56 . 34.5 End 43 ° 56 . 44.8
~~88 ° 19 . 08.0~~ ~~88 ° 19 . 20.2~~

Time (24hr): Start 1830 End 1925 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: 1 Bass (smallmouth): 2

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name JM Simons

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 6 Date: 6/23/07

Gear Type: Light Tackel Bank sampled (as looking upstream): R L west shoreline

Water Level: _____ Weather: Sunny very windy

Collector(s): JS AN

GPS Location: Start 44 44 ° 07 08 . 54 09 End 88 88 ° 27 27 . 32 43

Time (24hr): Start 06:30 End 07:30 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: 1 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature [signature]

Printed Name JM Sims

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 7 Date: 6/23/07

Gear Type: Light Tackle Bank sampled (as looking upstream): R L west shore

Water Level: _____ Weather: Sunny windy

Collector(s): JS AN

GPS Location: Start 44 07 54 ° 08 . 22 End 88 27 32 ° 27 . 40

Time (24hr): Start 07:30 End 10:00 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: ~~IIII~~ White Sucker: _____

Drum: IIII Bass (smallmouth): II

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: LWB **Fishing Run No.:** 7 **Date:** 10/23/07 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-07-SB-006	14.75	1.13		
LWB-07-SB-007	16.5	2.2		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 8 Date: 9/23/07

Gear Type: Light tackle Bank sampled (as looking upstream): R L West Shore

Water Level: _____ Weather: Sunny light breeze

Collector(s): JS AN

GPS Location: Start 44 08 50 / 44 ° 08 . 51 End 88 27 08 / 88 ° 27 . 07

Time (24hr): Start 10:12 End 11:23 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: 11 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: Perch

Signature [signature]

Printed Name JM Simons

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 9 Date: 6/23/07

Gear Type: Light Tackel Bank sampled (as looking upstream): R L west shore

Water Level: _____ Weather: Sunny

Collector(s): JS AN

GPS Location: Start 44 ° 05 . 14 (44 05 03) End 88 ° 29 . 03 (88 29 00)

Time (24hr): Start 1137 End 1223 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: 11 White Sucker: _____

Drum: 111 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: UWB Fishing Run No.: 10 Date: 6/28/07

Gear Type: Light Tackle Bank sampled (as looking upstream): R L west shore

Water Level: _____ Weather: Sunny

Collector(s): JS AN

GPS Location: Start 44 ° 01 . 460 End 88 ° 30 . 41

Time (24hr): Start 12:30 End 12:53 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: 1 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name Joey Simi

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 11 Date: 6/24/07

Gear Type: Light tackle Bank sampled (as looking upstream): R L west shore

Water Level: _____ Weather: Sunny Calm

Collector(s): JS AN

GPS Location: Start 43 43 ° 56 56 . 41 58 End 88 88 ° 29 29 . 40 49

Time (24hr): Start 0600 End 0721 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: 1 Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: Large Mouth Bass 𝍸 𝍸 1

_____

Signature [signature]

Printed Name Tom Smith

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 12 Date: 6/24/07

Gear Type: Light Tackle Bank sampled (as looking upstream): R L west Shore

Water Level: _____ Weather: Sunny Breezy

Collector(s): JS AN

GPS Location: Start 44 ° 07 . 54 End 88 ° 27 . 32

Time (24hr): Start 0737 End 0908 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: 11 White Sucker: _____

Drum: _____ Bass (smallmouth): 111

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature [signature]

Printed Name Tom Sims

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: LWB **Fishing Run No.:** 12 **Date:** 6/24/07 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-07-SB-008	12.75	1.4		
LWB-07-SB 009	14.25	1.9		
LWB-07-SB 010	16.75	2.5		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: 13 Date: 6/24/07

Gear Type: Light Tackle Bank sampled (as looking upstream): R L west shore

Water Level: _____ Weather: Sunny

Collector(s): JS AN

GPS Location: Start 44 ° 07 . 39 End 88 ° 27 . 54

Time (24hr): Start 0919 End 1215 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: 1 White Sucker: _____

Drum: ~~IIII~~ III Bass (smallmouth): ~~IIII~~ I 2 less than 10"

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature _____

Printed Name _____

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: LWB **Fishing Run No.:** 13 **Date:** 6/24/07 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
LWB-07-SB-011	14.0	1.9		
-012	14.5	1.7		
-013	14.25	1.6		
-014	12.0	~~0.14~~	14 oz	TMT

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: ~~01~~ 014 NMG Date: 6/29/07

Gear Type: RR Bank sampled (as looking upstream): R L

Water Level: 11 Weather: S

Collector(s): JOHN PULS / ANDY NICKODEM

GPS Location: Start 44 ° 02 . 50 End 44 ° 02 . 51
88 ° 19 . 39 88 ° 19 . 33

Time (24hr): Start 0830 End 0950 Shock Distance (0.01 mi): _____
Date 6/29 Date 6/29

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 9 Maximum: 12 Mean: 10

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

SAND

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

VEG

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): 1

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name JOHN PULS

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: ~~02~~ 15 MMG Date: 6/29/07

Gear Type: RR Bank sampled (as looking upstream): R L

Water Level: 12' Weather: S

Collector(s): JP/AN

GPS Location: Start 44 ° 03 . 08 End 44 ° 02 . 55.9 ← Humps
88 19 48 88 19 41.7

Time (24hr): Start 1000 End 1115 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 10 Maximum: 12 Mean: 11

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

SAND

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

VEG

Total Catch

Walleye: 1 White Sucker: _____

Drum: _____ Bass (smallmouth): 1

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name JOHN PAULS

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LWB Fishing Run No.: ~~01~~ 16 MMG Date: 7/2/07

Gear Type: NN Bank sampled (as looking upstream): R L

Water Level: 11' Weather: C

Collector(s): JOHN PULS

GPS Location: Start 44° 02.27 End 44° 03.40
88° 19.41 88° 19.37

Time (24hr): Start 1300 End 1400 Shock Distance (0.01 mi): _____
Date 7/2 Date 7/2

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 8 Maximum: 14 Mean: 11

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

SAND/ SILT

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

SOME VEG

Total Catch 0

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]
Printed Name [illegible]

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: LW13 Fishing Run No.: ~~02~~ 17 MMG Date: 7/2/07

Gear Type: RR Bank sampled (as looking upstream): R L

Water Level: 11' Weather: C

Collector(s): JP

GPS Location: Start 44 ° 02 . 30 End 44 ° 03 . 30
88 ° 19 . 42 88 ° 19 . 30

Time (24hr): Start 1415 End 1530 Shock Distance (0.01 mi): _____
Date 7/2 Date 7/2

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 7 Maximum: 14 Mean: 11'

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Silt/ Sand

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Some VEG

Total Catch 0

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [illegible]

Printed Name [illegible]

FIELD SAMPLING FORMS

OU4

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU-4 Fishing Run No.: 1 Date: 6/13/07

Gear Type: Light tackle Bank sampled (as looking upstream): ~~R/L~~ R

Water Level: _____ Weather: Sunny

Collector(s): JS, ~~[illegible]~~, MB, ~~[illegible]~~

GPS Location: Start 44 ° 32 . 22 End 44 ° 32 . 22
~~00~~ 00 23 ~~00~~ 00 23

Time (24hr): Start 16:43 End 17:27 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Rip Rap

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Rip Rap

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): 1

Channel Cats: 8 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature _____

Printed Name Jay Simms

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU4 **Fishing Run No.:** 1 **Date:** 10/13/07 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU4-07-CC-001	21.5	3.11		
OU4-07-CC-002	23.5	6.1		out @ GP Freezer
OU4-07-CC-003	16.0	1.3		out @ GP Freezer
OU4-07-CC-004	19.75	2.5		
OU4-07-CC-005	17.0	1.14		
OU4-07-CC-006	16.5	1.13		
OU4-07-CC-007	18.25	2.13		
OU4-07-CC-008	19.5	2.10		
OU4-07-SB-01	11.0	11.0 oz	NMG	11 oz

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 4 Fishing Run No.: 2 Date: 6/13/07

Gear Type: Rod + Reel Bank sampled (as looking upstream): (R) L

Water Level: _____ Weather: SUNNY 80's

Collector(s): NMG JDP

GPS Location: Start 44 ° 32 . 22N 88 ° 00 . 23W ← End. we were ANCHORED

Time (24hr): Start 430 End 515 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

GRAVEL - Rock

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Outfall WPS

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: 10 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name Nick Glander

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU-4 **Fishing Run No.:** 2 **Date:** 6/13/07 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU4-07-CC-009	18	2.15		
OU4-07-CC-010	17	2.4		
OU4-07-CC-011	21	4.6		
OU4-07-CC-012	15.5	1.1		
OU4-07-CC-013	21.0	4.8		
OU4-07-CC-015	15	1.11		
OU4-07-CC-014	16	1.8		
OU4-07-CC-016	20.5	4.10*		
OU4-07-CC-017	15.25	1.10		
OU4-07-CC-018	18	2.13		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU 4 Fishing Run No.: 3 Date: 6/13/07

Gear Type: Light Tackle Bank sampled (as looking upstream): R (L)

Water Level: _____ Weather: Sunny

Collector(s): JS, MB

GPS Location: Start 44 88 ° 32 00 . 22 08 End 44 87 ° 32 59 . 17 45

Time (24hr): Start 17:29 End 18:52 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Rip Rap

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Rip Rap

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): 1

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature _____

Printed Name Jay Simons

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU4 **Fishing Run No.:** 3 **Date:** 10/13/07 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU5A-07-SB-002	10.75	~~0.11~~	11 oz. TMT	

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU-4 Fishing Run No.: 4 Date: 6/13/07

Gear Type: _____ Bank sampled (as looking upstream): R L

Water Level: _____ Weather: _____

Collector(s): _____

GPS Location: ~~Start~~ START 44 ° 32 . 16 ~~End~~ END 88 ° 00 . 35 W

Time (24hr): Start 1700 End 6 PM Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Rip Rap shore - silt

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

some vegetation

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No Fish

Signature _____

Printed Name Nick Glander

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU 4 A Fishing Run No.: 5 Date: 6/13/07

Gear Type: Light Tackle Bank sampled (as looking upstream): R (L)

Water Level: _____ Weather: Sunny

Collector(s): JS MB

GPS Location: Start 44 87 ° 32 59 . 14 45 End 44 88 ° 32 00 . 22 23

Time (24hr): Start 18:59 End 20:47 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Rip Rap

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Rip Rap

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): 1

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name Jay Simon

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU5A **Fishing Run No.:** ~~3~~ 5 TMT **Date:** 6/13/07 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU5A-07-5B-003	15.0	1.9		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU-4 Fishing Run No.: 6 Date: 6/13

Gear Type: Rod + Reel Bank sampled (as looking upstream): R L

Water Level: _____ Weather: 80's + sunny

Collector(s): MMG + JDP

GPS Location: Start 44 87 ° 32 59 . 18 26 End 44 87 ° 32 59 . 12 03

Time (24hr): Start 6pm End 640 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Rip Rap

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Vegetation Kidney Island Just N of GB Yacht Club

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish

Signature [signature]

Printed Name Nick Blander

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU4 Fishing Run No.: 7 Date: 6/13/07

Gear Type: Rod & Reel Bank sampled (as looking upstream): R (L)

Water Level: _____ Weather: 80's + Sunny

Collector(s): _____

GPS Location: Start 44 88 ° 32 00 . 24 05 End 44 88 ° 32 00 . 24 05 anchored

Time (24hr): Start 1950 End _____ Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

CC - to bird ≈ 34"

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: 1 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature [signature]

Printed Name Nick Glander

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 4 Fishing Run No.: 8 MMG Date: 6/14/07

Gear Type: Rod + Reel Bank sampled (as looking upstream): R (L)

Water Level: _____ Weather: Sunny

Collector(s): Bergeon

GPS Location: Start 48 ~~088~~ ° 31 ~~00~~ . 55 ~~56~~ N ~~28~~ W End 44 88 ° 31 00 . 15 38 W

Time (24hr): Start 1612 End 1710 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch 0

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature Mark A Bergeon

Printed Name MARK A. BERGEON

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 4 Fishing Run No.: ~~0~~ 9 (ended @ nmg) Date: 6/14/07

Gear Type: Rod & Reel Bank sampled (as looking upstream): R (L)

Water Level: _____ Weather: 80's + Sunny

Collector(s): NMG

GPS Location: Start 44 88 ° 32 00 . 24.3 04.1 End N 44 87 ° 32 59 . 17.7 50.2

Time (24hr): Start 1610 End 1745 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: 1 White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: 1 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: 1 = Northern Pike

_____

No Keepers

Signature [signature]

Printed Name [signature]

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 044 Fishing Run No.: B 10 mb Date: 6-14-2007

Gear Type: Rod + Reel Bank sampled (as looking upstream) (R) L

Water Level: _____ Weather: Sunny

Collector(s): MAB

GPS Location: Start 44 . 31 . 07 End 44 . 31 . 00

Time (24hr): Start 1716 End 1736 Shock Distance (0.01 mi): 88 01 06

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch 0

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature Mark Bergeon

Printed Name MARK A. BERGEON

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 4 Fishing Run No.: ~~4~~ 11 NMG Date: 6/14/07

Gear Type: Rod + Reel Bank sampled (as looking upstream): (R) L

Water Level: _____ Weather: 80's + Sunny

Collector(s): NMG

GPS Location: Start 44 88 ° 32 00 . 22.5 22.8 End _____ ° _____ . _____

Time (24hr): Start _____ End _____ Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

WPS's Outfall

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): 4

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name Nick Glander

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU4 **Fishing Run No.:** 11 **Date:** 6/14/07 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU4-07-SR-004	15.5	2.3		Good
OU4-07-SB-005	10.5	.10		
OU4-07-SB-006	14.5	1.11		
OU4-07-SB-007	12	.14		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU 4 Fishing Run No.: ~~5~~ 12 Date: 6-14-2007

Gear Type: Rod + Reel Bank sampled (as looking upstream): (R) L

Water Level: _____ Weather: Sunny

Collector(s): MB

GPS Location: Start 44 ° 30 39 / 88 ° 01 17 End 44 ° 30 42 / 88 ° 01 16

Time (24hr): Start 1742 End 1800 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch 0

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature Mark A Bergeon

Printed Name MARK A. BERGEON

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 4 Fishing Run No.: ~~10~~ 13 NMG Date: 6-14-2007

Gear Type: Rod + reel Bank sampled (as looking upstream): (R) L

Water Level: _____ Weather: Sunny

Collector(s): _____

GPS Location: Start 44 ° 29 . 52 / 88 01 . 30 End 44 ° 29 . 52 / 88 01 . 30

Time (24hr): Start 1815 End 1830 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch ~~0~~ NMB 1

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: Rock Bass 1

_____

Signature Mark A Bergeon

Printed Name MARK A. BERGEON

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 4 Fishing Run No.: 14MMG Date: 6/14/07

Gear Type: rod tree Bank sampled (as looking upstream): (R) L

Water Level: _____ Weather: Sunny

Collector(s): MAB

GPS Location: Start 44 ° 32 . 11 End 44 ° 32 . 21
88 00 27 88 00 24

Time (24hr): Start 1855 End 2008 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch 0

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature Mark Bergeon

Printed Name MARK A. BERGEON

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 4 Fishing Run No.: ~~14~~ 15 MMG Date: 6-14-2007

Gear Type: rod+reel Bank sampled (as looking upstream): (R) L

Water Level: _____ Weather: Sunny

Collector(s): MB

GPS Location: Start 44 . 32 . 22 End 44 . 32 . ~~22~~ 24 MB
88 00 21 88 60 22

Time (24hr): Start 2010 End 2030 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch ~~8~~ 7 MB

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: 3 Bass (white): 4

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature Mark Bergeon

Printed Name MARK A. BERGEON

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU-4 Fishing Run No.: 16 MMG Date: 6/19/07

Gear Type: RR Bank sampled (as looking upstream): (R) L

Water Level: 3' Weather: S

Collector(s): VA

GPS Location: Start 44° 29' 30N End 44° 29' 30N
88° 03' 32W 88° 03' 32W

Time (24hr): Start 1710 End 2130 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 2 Maximum: 6 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

GRAVEL/SAND

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

ROCKY

Total Catch

Walleye: 111 White Sucker: _____

Drum: 1 Bass (smallmouth): 44

Channel Cats: _____ Bass (white): 25

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name Volk-Plu

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 4 **Fishing Run No.:** _____ **Date:** _____ **Page** ___ **of** ___

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU4-07-SB-108-	14.0	1.7		GOOD
OU4-07-SB-109	12.1	0.12		
OU4-07-SB-110	12.2	0.13		
OU4-07-SB-111	9.4	0.07		
OU4-07-SB-112	13.1	1.4		
OU4-07-SB-113	18.7	3.12		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU4 Fishing Run No.: 17NMG Date: 6/27/07

Gear Type: Rod + Reel Bank sampled (as looking upstream): R L

Water Level: _____ Weather: SUNNY 80

Collector(s): NMG & JDP

GPS Location: Start 44 ° 26 . 55 End 44 ° 26 . 55
88 ° 4 . 0 88 ° 4 . 0

Time (24hr): Start 1645 End 1845 Shock Distance (0.01 mi): _____
Date 6/27/07 Date 6/27/07

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Gravel - silt - Rip Rap (Nicolet Papermill)

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Vegetation

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): 5 (1 under 10")

Channel Cats: 2 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]
Printed Name Nick Glander

100 miles

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU 4 **Fishing Run No.:** 17 MMG **Date:** 6/27/07 1845 **Page** 1 **of** 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
004-07-SB-014	14.6	1 lb 13 oz		
004-07-SB-015	16.2	2 lb 5 oz		
004-07-SB-016	14.9	2 lb 2 oz		
004-07-SB-017	13.0	1 lb 4 oz		
~~004-07-SB-018~~ MMG		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

FIELD SAMPLING FORMS

OU5A

SB-003
CC-009

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU-5A Fishing Run No.: 1 Date: 6/13/07

Gear Type: Rod & Reel Bank sampled (as looking upstream): R (L)

Water Level: _____ Weather: 80's Sunny

Collector(s): MMA JDP

GPS Location: Start 44 87 ° 33 59 . 34 38 End 44 87 ° 33 59 . 30 38 X2

Time (24hr): Start 1908 End 2008 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Rip Rap

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Island to the (L) of channel

Total Catch

Walleye: 1 22" White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name Nick Glandus

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: OU-5A Fishing Run No.: 02 Date: 6/13/07

Gear Type: Rod + Reel Bank sampled (as looking upstream): R L

Water Level: _____ Weather: 80's Sunny

Collector(s): NMG / JDP

GPS Location: Start 44 87 ° 33 59 . 30 38 End 44 87 ° 33 59 . 34 38

Time (24hr): Start 2008 End 2100 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Rip Rap

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Island to the (L) of Channel

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No Fish

Signature [signature]

Printed Name Nick Glomski

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5A Fishing Run No.: 03 Date: 6/15/07

Gear Type: ROD/REEL Bank sampled (as looking upstream): R L

Water Level: 10' Weather: SUNNY

Collector(s): JOHN PULS

GPS Location: Start 44° 38' 00" N / 87° 59' 10" W End 44° 38' 20" N / 87° 60' 10" W

Time (24hr): Start 430 AM End 1700 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 4 Maximum: 11 Mean: 7

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

SAND

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Veg.

Total Catch

Walleye: 1 White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): 1

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name JOHN AVERS

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5A Fishing Run No.: 04NMG Date: 6/15/07

Gear Type: Rod & Reel Bank sampled (as looking upstream): R L

Water Level: _____ Weather: Sunny

Collector(s): NMG

GPS Location: Start 44 88 ° 39 00 . 6.5 19.2 End _____ ° _____ . _____

Time (24hr): Start 4 30 End _____ Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 3 Maximum: 10 Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

WINDJAMMERS MARINA

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Large Mouth, DRUM, Northern, Walleye, Dogfish

Signature [signature]

Printed Name Nick Glandr

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: SA Fishing Run No.: 05 Date: 6/15/07

Gear Type: ROD/REEL Bank sampled (as looking upstream): R L

Water Level: 11' Weather: S

Collector(s): VP

GPS Location: Start ~~16420816E~~ 44 ° 38 .07 N End 44 38 14 N 87 ° 59 .99 E ~~44420516N~~ 87° 59' 55 W

Time (24hr): Start 1710 End 1730 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 4 Maximum: 11 Mean: 7

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

SAND

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Veg

Total Catch

Walleye: 2 White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): 1

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name JOHN PULS

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5A Fishing Run No.: ~~02~~ 06 NMG Date: 5/15/07

Gear Type: RR Bank sampled (as looking upstream): R L

Water Level: 10 Weather: S

Collector(s): JP

GPS Location: Start 44 87 ° 38 59 . 041 N W End 38 59 . 10 N 56 W

Time (24hr): Start 1745 End 1800 52 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 4 Maximum: 11 Mean: 7

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

SAND

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

VEG.

Total Catch

Walleye: 2 White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): 1

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name JOHN PULS

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: SA Fishing Run No.: ~~0~~907 NMG Date: 6/15/07

Gear Type: RR Bank sampled (as looking upstream): R L

Water Level: 11 Weather: S

Collector(s): VP

GPS Location: Start 44 38 40N 87 54 20W End 44 38 40N 87 60 40W

Time (24hr): Start 1805 End 1900 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 4 Maximum: 11 Mean: 7

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

SAND

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

VEG

Total Catch

Walleye: 1 White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name JOHN PULS

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5A Fishing Run No.: ~~X~~ 08 VMK Date: 6/15/07

Gear Type: RR Bank sampled (as looking upstream): R L

Water Level: 11 Weather: S

Collector(s): VP

GPS Location: Start 44 ° 38 . 20 N End 44 ° 38 . 50 N
87 59 00 W 87 59 40 W

Time (24hr): Start 1915 End 2000 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 4 Maximum: 11 Mean: 7

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

SAND

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

VEG.

Total Catch 0

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name JOHN PULS

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5A Fishing Run No.: ~~03~~ 09 mk Date: 6/15/07

Gear Type: RR Bank sampled (as looking upstream): R L

Water Level: 11 Weather: S

Collector(s): VP

GPS Location: Start 44 ° 38 . 30N End 44 ° 38 . 40N
87 60 10W 87 60 30W

Time (24hr): Start 2000 End 2045 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 4 Maximum: 11 Mean: 7

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

SAND

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

VEG.

Total Catch 0

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name JOHN PILS

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5A Fishing Run No.: 10 MMG Date: 6/26/07

Gear Type: NN Bank sampled (as looking upstream): R L

Water Level: 10' Weather: _____

Collector(s): JP

ISLAND CHANNEL

GPS Location: Start 44 ° 51 . 04N End 44 ° 51 . 30N
87 ° 30 . 49W 87 ° 30 . 15W

Time (24hr): Start 1410 End 1715 Shock Distance (0.01 mi): _____
Date 6/26 Date 6/26

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 4 Maximum: 12 Mean: 8

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

GRAVEL

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): 4

Channel Cats: 6 Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name Nick Edwards

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 5A Fishing Run No.: ~~01~~ 10 NMG Date: 6/26/07 Page 1 of ___

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU5A-07-CC-0				
OU5A-07-CC-01	21.9	4 lb 9 oz		GOOD
-02	13.1	1 lb 1 oz		
-03	12.1	0 lb 15 oz		
-04	17.9	3 lb 8 oz		
-05	14.2	2 lb 0 oz		
-06	14.7	0 lb 8 oz		
-07	15.1	3 lb 2 oz		
-08	13.6	0 lb 8 oz		
OU5A-07-SB-01	12.2	1 lb 8 oz		
" " -02	12.3	2 lb 3 oz		
-03	12.1	1 lb 5 oz		
-04	16.1	2 lb 4 oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		
		lb oz		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5A Fishing Run No.: 1j MMG Date: 7/26/07

Gear Type: Rod + Reel Bank sampled (as looking upstream): R L

Water Level: _____ Weather: _____

Collector(s): MMG

GPS Location: Start 44 87 ° 32 59 . 58 59.5 End 44 87 ° 34 59 . 11.6 17.5

Time (24hr): Start 445 End 545 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No Fish

Signature [signature]

Printed Name Nick Glander

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5A Fishing Run No.: 12 MMG Date: 7/26/07

Gear Type: Rod + Reel Bank sampled (as looking upstream): R L

Water Level: _____ Weather: Cloudy - storm coming

Collector(s): MMG

GPS Location: Start 44.87 ° 34 59 . 11.1 20.3 End 44 87 ° 32 59 . 56 59.5

Time (24hr): Start 6 45 End 8 10 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

No fish

Signature [signature]

Printed Name Nick Glander

FIELD SAMPLING FORMS

OU5B

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5B Fishing Run No.: 1 Date: 6-21-2007

Gear Type: Rocky reef Bank sampled (as looking upstream): R L

Water Level: _____ Weather: 75° Sunny

Collector(s): MB

GPS Location: Start 44 ° 50 . 20 End 44 ° 50 . 30

Time (24hr): Start 1418 End 1517 Shock Distance (0.01 mi): 08.1

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 10 Maximum: 12 Mean: 11

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch 0

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature [signature]

Printed Name MARK A. BERGEON

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 513 Fishing Run No.: 02 Date: 6/21/07

Gear Type: RR Bank sampled (as looking upstream): R L

Water Level: 3' Weather: S

Collector(s): JP

GPS Location: Start 44 ° 50 . 25N End 44 ° 50 . 25N
87 33 20W 87 33 30W

Time (24hr): Start 1425 End 1645 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 1 Maximum: 5 Mean: 3

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

GRAVEL

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

VEG

Total Catch

Walleye: _____ White Sucker: _____

Drum: 1 Bass (smallmouth): 8

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name John Mucs

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: OU-5B **Fishing Run No.:** 02 **Date:** 6/21/07 **Page** 1 **of** 1

Sample ID OU5B-07-5B-~~00~~	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU5B-07-5B-~~00~~01	15.5	1.15		GOOD
-~~00~~02	17.0	2.50		
-~~00~~03	16.9	2.11		
-~~00~~04	14.8	1.11		
-~~00~~05	19.5	4.5		
-~~00~~06	17.2	2.10		
-~~00~~07	15.8	2.3		
-08	16.8	2.11		

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5B Fishing Run No.: 3 Date: 6-21-2007

Gear Type: Rod + Reel Bank sampled (as looking upstream): R L

Water Level: _____ Weather: _____

Collector(s): MB

GPS Location: Start 44 ° 50 . 13.5 End 44 ° 50 . ~~39~~ 35
87 33 13.5 87 33 23.4

Time (24hr): Start 1523 End 1621 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch ~~0~~ 1

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: Northern Pike

_____

Signature Mark A Bergeon

Printed Name MARK A. BERGEON

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 513 Fishing Run No.: 04 Date: 6/21/07

Gear Type: RR Bank sampled (as looking upstream): R L

Water Level: 3' Weather: S

Collector(s): JP

GPS Location: Start 44 ° 50 . 15N End 44 ° 50 . 15N
82 32 20W 82 32 20W

Time (24hr): Start 1700 End 1730 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 3 Maximum: 5 Mean: 4

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

GRAVEL

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

VEG

Total Catch 0

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name JOHN PULS

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 5B Fishing Run No.: 5 Date: 6-21-2007

Gear Type: Rod + Reel Bank sampled (as looking upstream): R L

Water Level: _____ Weather: _____

Collector(s): MB

GPS Location: Start 44 ° 49 . 41.6 / 87 33 14.6 End 44 ° 49 . 41.6 / 87 33 14.6

Time (24hr): Start 1625 End 1650 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: _____ Maximum: _____ Mean: _____

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

_____

_____

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

_____

_____

Total Catch 0

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): _____

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

_____

Signature Mark A. Bergeon

Printed Name Mark A. Bergeon

Lower Fox River Baseline Monitoring Program
Fishing Run Log

OU Location: 513 Fishing Run No.: 06 Date: 6/21/07

Gear Type: RR Bank sampled (as looking upstream): R L

Water Level: 3 Weather: S

Collector(s): JP

GPS Location: Start 44 50 36 N / 87 32 40 W End 44 50 36 N / 87 32 40 W

Time (24hr): Start 1800 End 1945 Shock Distance (0.01 mi): _____

Generator Output @ 60 pulse 25 Duty cycle Amps: _____ Volts: _____

Water Depth

Minimum: 1 Maximum: 4 Mean: 2.5

Substrate
(silt, sand, gravel, rip rap, organic detritus, etc.)

Sand / rock

Habitat Description
(vegetation, over-water structures, channel features, hydrology, etc.)

Veg

Total Catch

Walleye: _____ White Sucker: _____

Drum: _____ Bass (smallmouth): 8

Channel Cats: _____ Bass (white): _____

Carp: _____ Emerald Shiner: _____

Gizzard Shad: _____ Other: _____

Signature [signature]

Printed Name John Rus

Lower Fox River Baseline Monitoring Program

Fish Sampling Data Sheet

OU Location: 5B Fishing Run No.: 6 Date: 6-21-2007 Page 1 of 1

Sample ID	Length (0.1 in)	Est. Wt. (0.1 lb)	Cooler ID	Fish Condition (1)
OU5B-07-5B-09	17.7	2.9		Good
-10	15.1	1.1		Good
-11	14.9	1.1		Good
-12	17.5	2.9		Good
-13	16.9	3.6		Good
-14	16.7	2.4		Good
-15	10.5	0.8		Good
-16	17.0	2.12		Good

(1) Observations of fin erosion, ulcers, morphological abnormalities, tumors, parasites, equipment damage such as descaling or laceration, etc.

FISH TALLY SHEETS

CARP

	# Composites	# Fish/ Comp.	# Individual Fish	Alt. Size (in.)	Target Size (inches)					Alt. Size (in.)	Other Size (in.)	# Replicate Fish
LWB-YY-CA-000	5	5	25	8-10	10-12	12-14	14-16	16-18	18-20	20-22		5
CARP LWB						11 11	11 11 11	11 11 1				
CARP 1 Replicate (r5) with in one size class						11 1		11	11 11	11 11 11 11 11		
CARP 2A								1	11 11 11 11 11	11 11 1		
CARP 2B								11 11 11	11 11 11 11 11			
CARP 2C								11	11 11 11 11 11 11 11	11 11		
CARP 3							1 11	11 11 11 11	11 11 11 1			
OU4-YY-CA-000	5	5	25	8-10	10-12	12-14	14-16	16-18	18-20	20-22		5
CARP 4							11	11	11 11 11 11 11	11 11 11 11		Same size class
CARP 5A					1	11 11 11 11 1	11					
CARP 5B					11	11 11	11	1				

Note:
Red tally marks indicate fish collected by WDNR during extended season (through Oct. 2006)

DRUM

LWB-YY-DR-000	5	5	25	10-12	12-14	14-16	16-18	18-20	20-22	22-24		5
DRUM LWB					19	1	4	5	10			
DRUM 1 Replicate (+s) within one size class				1	9	8	3	2	1			
DRUM 2A				4	12	7	2	4				
DRUM 2B					9	7	9	4	1			
DRUM 2C				1	2	8	9	4	6	1		
DRUM 3					3	12	7	5				
OU4-YY-DR-000	5	5	25	10-12	12-14	14-16	16-18	18-20	20-22	22-24		
DRUM 4					8	9	9	2				
DRUM 5A				7	12	12	3					
DRUM 5B					5	4	3	2	2			

WALLEYE

LWB-YY-WA-000	NA	NA	15	10-12	12-14	14-16	16-18	18-20	20-22	22-24		1
WALLEYE LWB				I	𝍸 III	𝍸	III					
WALLEYE 1 Replicate (+1) Same Run Same Size				𝍸 𝍸 I	II		II				1 @ 9.5" 1 @ 9.25" 1 @ 8.5"	
WALLEYE 2A				IIII	II	𝍸	𝍸	𝍸				
WALLEYE 2B				𝍸 III	II	𝍸	I					
WALLEYE 2C				III		𝍸	𝍸	III	𝍸			
WALLEYE 3					I	𝍸 I	I	𝍸	II			

OU4-YY-WA-000	NA	NA	15	10-12	12-14	14-16	16-18	18-20	20-22	22-24		
WALLEYE 4					I	𝍸 III	𝍸 II	IIII	I			
WALLEYE 5A						𝍸	𝍸 I	IIII				
WALLEYE 5B						I	𝍸 I	𝍸 𝍸				

Note:
Red tally marks indicate fish collected by WDNR during extended season (through Oct. 2006)

GIZZARD SHAD.

	# Composites	# Fish/ Con	# Individuals	Alt. Size (in.)	Target Size (inches)	Alt. Size (in.)	Other Size (in.)	# Replicates
LWB-YY-GS-000	5	25	##		<3	3-6		25
GIZZARD SHAD LWB					X; Most WDNR Fish 3" to 5" in length	卌 卌 卌 卌 卌 / 225		
GIZZARD SHAD 1 Replicate (+25)					X	卌 III		
GIZZARD SHAD 2A					8/20/06 - R-9 = Total 2; 8/20/06 - R-11 = Total 1; 8/21/06 - R16 = total 1 } UNKNOWN SIZE; 9/10/06 +21; X; 卌	卌 I		
GIZZARD SHAD 2B					8/22/06 - R1 = 18, R2 = 3, R3 = 55, R5 = 20; 8/23/06 - R8 = 10, R9 = 4, R10 = 5, R11 = 25; = 140	26, 2, 11, 27 = 66		
GIZZARD SHAD 2C					8/25/06 - R3 = 2, R7 = 5, R14 = 36, R17 = 1	2, 5, 1, 2, 14, 3		
GIZZARD SHAD 3					卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 IIII	卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 III		
OU4-YY-GS-000	5	25	##		<3	3-6		
GIZZARD SHAD 4					卌 卌 卌 卌 卌 II; 162 <3; RUN #14	卌 卌 卌 II		
GIZZARD SHAD 5A					19/29/25/25/25/25/	X		
GIZZARD SHAD 156 5B					X	卌 卌	卌 卌 卌 卌 卌 卌 卌 卌 卌 I	

ALTERNATE SPECIES

(ALTERNATE) SMALLMOUTH BASS.

LWB-YY-SB-000	NA	NA	15	10-12	12-14	14-16	16-18	18-20	20-22	22-24		
SMALL MOUTH BASS LWB				II	III	~~IIII~~ II	III					

SMALLMOUTH BASS 1 Replicate (+1) Same Size Same Run White Bass				II	~~IIII~~ II	II	I	I			1@ 7.25" 1@ 8.8" 1@ 9.2" 1@ 6.5" 1@ 9.7" 1@ 7.0" 2@ 4"	

SMALLMOUTH BASS 2A				~~IIII~~ IIII	~~IIII~~	~~IIII~~ II	I					

SMALLMOUTH BASS 2B				IIII	~~IIII~~ I	~~IIII~~ I	I	I				

SMALLMOUTH BASS 2C				~~IIII~~ II	~~IIII~~ III	~~IIII~~ I	II					

[redacted]-BASS smallmouth BASS 3				~~IIII~~	~~IIII~~ II	IIII						

OU4-YY-SB-000	NA	NA	15	10-12	12-14	14-16	16-18	18-20	20-22	22-24		
SMALL MOUTH BASS 4				II IIII	I ~~IIII~~	I ~~IIII~~ I	I	I				

Note:
Red tally marks indicate fish collected by WDNR during extended season (through Oct. 2006)

Note:
Blue tally marks indicate fish collected during supplemental sampling event (June 2007)

BASS [SMALLMOUTH: LWB TO OU3] [WHITE: OU4 & GREEN BAY] 5A				I	II III		I					

SMALL MOUTH BASS 5B				II I	I	~~IIII~~	~~IIII~~ IIII	I				

CHANNEL CATFISH

LWB-YY-CC-000	NA	NA	15	10-12	12-14	14-16	16-18	18-20	20-22	22-24		1
CHANNEL CATFISH LWB					5	5	5		1			
CHANNEL CATFISH 1 Replicate (+1) Same Run Same Size					1	1	1					
CHANNEL CATFISH 2A					11	1	11	5	5 1	1		
CHANNEL CATFISH 2B					1	11	5 111	1111	1			
CHANNEL CATFISH 2C				11	1111	5 5	111	1111				
CHANNEL CATFISH 3					1		111	5 1	5			

OU4-YY-CC-000	NA	NA	15	10-12	12-14	14-16	16-18	18-20	20-22	22-24		
CHANNEL CATFISH 4						111	1 ~~1111~~	1 ~~1111~~	11 1111	1 1		
CHANNEL CATFISH 5A					111	111	1 1		1 1			
CHANNEL CATFISH 5B												

Note:
Blue tally marks indicate fish collected during supplemental sampling event (June 2007)

APPENDIX C

FISH TISSUE COMPOSITING PLANS

Table C-1
Fish Tissue Analysis and Compositing Plan - Carp

	Sample #	OU	Run #	Collection Date	Fish ID	Length (inches)	Size Class	Sample Weight lbs	Sample Weight oz	Weight (lbs)	Composite Plan 1	2	3	4	5	Replicate	Average Length	Replic. Average Length
LAKE WINNEBAGO																		
1	12	LWB	19	20060901	LWB-06-CA-012	13.00	12-14	1	6	1.38	■						13.4	
2	14	LWB	20	20060913	LWB-06-CA-014	13.50	14-16	1	3	1.19	■							
3	18	LWB	22	20060913	LWB-06-CA-018	13.50	12-14	1	5	1.31	■							
4	19	LWB	23	20060913	LWB-06-CA-019	13.75	12-14	1	6	1.38	■							
5	13	LWB	20	20060913	LWB-06-CA-013	14.25	14-16	1	9	1.56		■					14.5	
6	7	LWB	8	20060829	LWB-06-CA-007	14.50	14-16	1	13	1.81		■						
7	11	LWB	19	20060901	LWB-06-CA-011	14.75	14-16	1	12	1.75		■						
8	5	LWB	5	20060828	LWB-06-CA-005	15.25	14-16	1	13	1.81			■				15.3	
9	6	LWB	7	20060829	LWB-06-CA-006	15.25	14-16	2	0	2.00			■					
10	8	LWB	8	20060829	LWB-06-CA-008	15.25	14-16	1	15	1.94			■					
11	10	LWB	17	20060901	LWB-06-CA-010	15.00	14-16	1	12	1.75						■		15.3
12	2	LWB	4	20060828	LWB-06-CA-002	15.25	14-16	2	2	2.13						■		
13	1	LWB	1	20060828	LWB-06-CA-001	15.50	14-16	2	1	2.06						■		
14	9	LWB	8	20060829	LWB-06-CA-009	15.50	14-16	2	0	2.00				■			16.0	
15	15	LWB	20	20060913	LWB-06-CA-015	16.25	16-18	2	7	2.44				■				
16	16	LWB	20	20060913	LWB-06-CA-016	16.25	16-18	2	1	2.06				■				
17	17	LWB	21	20060913	LWB-06-CA-017	16.50	16-18	2	5	2.31					■		16.8	
18	4	LWB	4	20060828	LWB-06-CA-004	16.75	16-18	2	7	2.44					■			
19	3	LWB	4	20060828	LWB-06-CA-003	17.00	16-18	2	5	2.31					■			
OU1																		
1	7	OU1	5	2006816	OU1-06-CA-007	13.00	12-14	1	2	1.13	■						13.9	
2	36	OU1	25	2006908	OU1-06-CA-036	13.75	12-14	1	14	1.88	■							
3	26	OU1	13	2006817	OU1-06-CA-026	15.00	14-16	1	2	1.13	■							
4	32	OU1	22	2006908	OU1-06-CA-032	16.50	16-18	1	5	1.31								
5	37	OU1	25	2006908	OU1-06-CA-037	18.00	16-18	2	1	2.06		■					18.3	
6	29	OU1	16	2006818	OU1-06-CA-029	18.25	18-20	3	3	3.19		■						
7	33	OU1	22	2006908	OU1-06-CA-033	18.75	18-20	2	10	2.63		■						
8	6	OU1	5	2006816	OU1-06-CA-006	19.50	18-20	3	5	3.31			■				19.7	
9	31	OU1	22	2006908	OU1-06-CA-031	19.50	18-20	2	7	2.44			■					
10	34	OU1	23	2006908	OU1-06-CA-034	19.75	18-20	3	5	3.31			■					
11	35	OU1	24	2006908	OU1-06-CA-035	19.75	18-20	3	6	3.38			■					
12	20	OU1	8	2006817	OU1-06-CA-020	20.00	18-20	3	12	3.75			■					
13	2	OU1	4	2006816	OU1-06-CA-002	20.50	20-22	3	12	3.75				■			20.6	
14	15	OU1	6	2006816	OU1-06-CA-015	20.50	20-22	3	9	3.56				■				
15	16	OU1	6	2006816	OU1-06-CA-016	20.50	20-22	4	7	4.44				■				
16	17	OU1	6	2006816	OU1-06-CA-017	20.50	20-22	4	3	4.19				■				
17	28	OU1	16	2006818	OU1-06-CA-028	20.75	20-22	4	5	4.31				■				
18	1	OU1	4	2006816	OU1-06-CA-001	21.00	20-22	4	8	4.50								
19	5	OU1	5	2006816	OU1-06-CA-005	21.00	20-22	4	8	4.50								
20	9	OU1	6	2006816	OU1-06-CA-009	21.00	20-22	4	3	4.19								
21	23	OU1	8	2006817	OU1-06-CA-023	21.00	20-22	4	8	4.50								
22	24	OU1	9	2006817	OU1-06-CA-024	21.00	20-22	5	4	5.25								
23	11	OU1	6	2006816	OU1-06-CA-011	21.25	20-22	4	2	4.13					■		21.5	
24	3	OU1	5	2006816	OU1-06-CA-003	21.50	20-22	4	15	4.94					■			
25	4	OU1	5	2006816	OU1-06-CA-004	21.50	20-22	5	4	5.25					■			
26	10	OU1	6	2006816	OU1-06-CA-010	21.50	20-22	4	5	4.31					■			
27	25	OU1	9	2006817	OU1-06-CA-025	21.60	20-22	4	9	4.56					■			
28	30	OU1	17	2006818	OU1-06-CA-030	21.25	20-22	4	3	4.19						■		21.5
29	14	OU1	6	2006816	OU1-06-CA-014	21.40	20-22	5	0	5.00						■		
30	19	OU1	6	2006816	OU1-06-CA-019	21.50	20-22	5	0	5.00						■		
31	22	OU1	8	2006817	OU1-06-CA-022	21.50	20-22	4	8	4.50						■		
32	8	OU1	6	2006816	OU1-06-CA-008	21.75	20-22	6	0	6.00						■		
33	12	OU1	6	2006816	OU1-06-CA-012	22.00	20-22	5	0	5.00								
34	13	OU1	6	2006816	OU1-06-CA-013	22.00	20-22	4	15	4.94								
35	18	OU1	6	2006816	OU1-06-CA-018	22.00	20-22	5	1	5.06								
36	21	OU1	8	2006817	OU1-06-CA-021	22.00	20-22	5	0	5.00								
37	27	OU1	14	2006818	OU1-06-CA-027	22.00	20-22	5	9	5.56								

Table C-1
Fish Tissue Analysis and Compositing Plan - Carp

	Sample #	OU	Run #	Collection Date	Fish ID	Length (inches)	Size Class	Sample Weight lbs	Sample Weight oz	Weight (lbs)	Composite Plan 1	Composite Plan 2	Composite Plan 3	Composite Plan 4	Composite Plan 5	Replicate	Average Length	Replic. Average Length
OU2A																		
1	34	2A	8	20060820	OU2A-06-CA-034	18.00	16-18	2	7	2.44	■							
2	37	2A	12	20060821	OU2A-06-CA-037	18.25	18-20	2	6	2.38	■						18.3	
3	27	2A	4	20060819	OU2A-06-CA-027	18.50	18-20	2	10	2.63	■							
4	28	2A	4	20060819	OU2A-06-CA-028	19.00	18-20	2	2	2.13		■						
5	35	2A	12	20060821	OU2A-06-CA-035	19.00	18-20	2	9	2.56		■						
6	11	2A	2	20060819	OU2A-06-CA-011	19.00	18-20	2	11	2.69		■					19.0	
7	22	2A	2	20060819	OU2A-06-CA-022	19.00	18-20	3	1	3.06		■						
8	30	2A	8	20060820	OU2A-06-CA-030	19.00	18-20	3	2	3.13		■						
9	33	2A	8	20060820	OU2A-06-CA-033	19.25	18-20	3	4	3.25								
10	29	2A	5	20060819	OU2A-06-CA-029	19.50	18-20	2	14	2.88								
11	36	2A	12	20060821	OU2A-06-CA-036	19.50	18-20	2	14	2.88								
12	25	2A	4	20060819	OU2A-06-CA-025	19.50	18-20	3	1	3.06								
13	32	2A	8	20060820	OU2A-06-CA-032	19.50	18-20	3	1	3.06			■					
14	31	2A	8	20060820	OU2A-06-CA-031	19.50	18-20	3	2	3.13			■					
15	4	2A	2	20060819	OU2A-06-CA-004	19.50	18-20	3	7	3.44			■				19.5	
16	7	2A	2	20060819	OU2A-06-CA-007	19.50	18-20	3	8	3.50			■					
17	1	2A	2	20060819	OU2A-06-CA-001	19.50	18-20	3	9	3.56			■					
18	23	2A	2	20060819	OU2A-06-CA-023	19.50	18-20	3	9	3.56								
19	6	2A	2	20060819	OU2A-06-CA-006	19.50	18-20	3	12	3.75								
20	9	2A	2	20060819	OU2A-06-CA-009	19.75	18-20	3	7	3.44								
21	24	2A	2	20060819	OU2A-06-CA-024	19.75	18-20	3	9	3.56								
22	20	2A	2	20060819	OU2A-06-CA-020	19.75	18-20	3	11	3.69								
23	26	2A	4	20060819	OU2A-06-CA-026	20.00	18-20	3	1	3.06								
24	2	2A	2	20060819	OU2A-06-CA-002	20.00	18-20	3	11	3.69				■				
25	3	2A	2	20060819	OU2A-06-CA-003	20.00	18-20	3	11	3.69				■				
26	10	2A	2	20060819	OU2A-06-CA-010	20.00	18-20	3	15	3.94				■			20.2	
27	19	2A	2	20060819	OU2A-06-CA-019	20.25	20-22	3	12	3.75				■				
28	18	2A	2	20060819	OU2A-06-CA-018	20.50	20-22	3	10	3.63				■				
29	17	2A	2	20060819	OU2A-06-CA-017	20.50	20-22	4	5	4.31								
30	5	2A	2	20060819	OU2A-06-CA-005	20.50	20-22	4	7	4.44								
31	15	2A	2	20060819	OU2A-06-CA-015	20.50	20-22	4	7	4.44								
32	12	2A	2	20060819	OU2A-06-CA-012	21.00	20-22	3	13	3.81					■			
33	8	2A	2	20060819	OU2A-06-CA-008	21.00	20-22	4	6	4.38					■			
34	21	2A	2	20060819	OU2A-06-CA-021	21.25	20-22	4	5	4.31					■		21.3	
35	14	2A	2	20060819	OU2A-06-CA-014	21.50	20-22	3	10	3.63								
36	13	2A	2	20060819	OU2A-06-CA-013	21.50	20-22	4	3	4.19					■			
37	16	2A	2	20060819	OU2A-06-CA-016	21.50	20-22	4	13	4.81					■			
OU2B																		
1	16	OU2B	2	20060822	OU2B-06-CA-016	16.50	16-18	2	0	2.00	■							
2	22	OU2B	2	20060822	OU2B-06-CA-022	17.00	16-18	2	5	2.31	■							
3	15	OU2B	2	20060822	OU2B-06-CA-015	17.75	16-18	2	5	2.31	■						17.4	
4	12	OU2B	2	20060822	OU2B-06-CA-012	17.75	16-18	2	6	2.38	■							
5	6	OU2B	1	20060822	OU2B-06-CA-006	18.00	16-18	2	6	2.38	■							
6	21	OU2B	2	20060822	OU2B-06-CA-021	18.00	16-18	2	7	2.44		■						
7	25	OU2B	2	20060822	OU2B-06-CA-025	18.00	16-18	2	9	2.56		■						
8	2	OU2B	1	20060822	OU2B-06-CA-002	18.00	16-18	2	13	2.81		■					18.2	
9	13	OU2B	2	20060822	OU2B-06-CA-013	18.50	18-20	2	6	2.38		■						
10	7	OU2B	1	20060822	OU2B-06-CA-007	18.50	18-20	2	10	2.63		■						
11	24	OU2B	2	20060822	OU2B-06-CA-024	19.00	18-20	2	11	2.69			■					
12	18	OU2B	2	20060822	OU2B-06-CA-018	19.00	18-20	3	1	3.06			■					
13	5	OU2B	1	20060822	OU2B-06-CA-005	19.25	18-20	2	13	2.81			■				19.3	
14	19	OU2B	2	20060822	OU2B-06-CA-019	19.50	18-20	3	2	3.13			■					
15	14	OU2B	2	20060822	OU2B-06-CA-014	19.50	18-20	3	3	3.19			■					
16	20	OU2B	2	20060822	OU2B-06-CA-020	19.50	18-20	3	5	3.31				■				
17	3	OU2B	1	20060822	OU2B-06-CA-003	19.75	18-20	2	11	2.69				■				
18	17	OU2B	2	20060822	OU2B-06-CA-017	19.75	18-20	3	2	3.13				■			19.8	
19	10	OU2B	2	20060822	OU2B-06-CA-010	19.75	18-20	3	8	3.50				■				
20	9	OU2B	2	20060822	OU2B-06-CA-009	20.00	18-20	3	1	3.06				■				
21	11	OU2B	2	20060822	OU2B-06-CA-011	20.00	18-20	3	3	3.19					■			
22	8	OU2B	1	20060822	OU2B-06-CA-008	20.00	18-20	3	4	3.25					■			
23	23	OU2B	2	20060822	OU2B-06-CA-023	20.00	18-20	3	5	3.31					■		20.0	
24	1	OU2B	1	20060822	OU2B-06-CA-001	20.00	18-20	3	6	3.38					■			
25	4	OU2B	1	20060822	OU2B-06-CA-004	20.00	18-20	3	12	3.75					■			

Table C-1
Fish Tissue Analysis and Compositing Plan - Carp

	Sample #	OU	Run #	Collection Date	Fish ID	Length (inches)	Size Class	Sample Weight lbs	Sample Weight oz	Weight (lbs)	Composite Plan 1	Composite Plan 2	Composite Plan 3	Composite Plan 4	Composite Plan 5	Replicate	Average Length	Replic. Average Length
OU2C																		
1	11	OU2C	7	20060825	OU2C-06-CA-011	18.00	16-18	2	2	2.13	■							
2	12	OU2C	7	20060825	OU2C-06-CA-012	18.00	16-18	2	12	2.75	■							
3	22	OU2C	14	20060828	OU2C-06-CA-022	18.25	18-20	2	11	2.69	■						18.3	
4	8	OU2C	4	20060825	OU2C-06-CA-008	18.50	18-20	2	2	2.13	■							
5	3	OU2C	3	20060825	OU2C-06-CA-003	18.75	18-20	3	4	3.25	■							
6	10	OU2C	6	20060825	OU2C-06-CA-010	18.75	18-20	3	4	3.25		■						
7	13	OU2C	10	20060826	OU2C-06-CA-013	19.00	18-20	3	2	3.13		■						
8	26	OU2C	16	20060828	OU2C-06-CA-026	19.00	18-20	3	4	3.25		■					19.0	
9	28	OU2C	16	20060828	OU2C-06-CA-028	19.00	18-20	3	8	3.50		■						
10	30	OU2C	18	20060828	OU2C-06-CA-030	19.25	18-20	3	11	3.69		■						
11	23	OU2C	14	20060828	OU2C-06-CA-023	19.50	18-20	3	8	3.50			■					
12	24	OU2C	15	20060828	OU2C-06-CA-024	19.50	18-20	3	10	3.63			■					
13	27	OU2C	16	20060828	OU2C-06-CA-027	19.50	18-20	3	7	3.44			■				19.6	
14	29	OU2C	16	20060828	OU2C-06-CA-029	19.50	18-20	3	10	3.63			■					
15	1	OU2C	3	20060825	OU2C-06-CA-001	19.75	18-20	3	7	3.44			■					
16	5	OU2C	3	20060825	OU2C-06-CA-005	19.50	18-20	4	2	4.13						■		
17	7	OU2C	3	20060825	OU2C-06-CA-007	19.50	18-20	3	1	3.06						■		
18	15	OU2C	10	20060826	OU2C-06-CA-015	19.50	18-20	3	14	3.88						■		19.6
19	18	OU2C	10	20060826	OU2C-06-CA-018	19.50	18-20	3	3	3.19						■		
20	16	OU2C	10	20060826	OU2C-06-CA-016	19.75	18-20	3	14	3.88						■		
21	2	OU2C	3	20060825	OU2C-06-CA-002	20.00	18-20	4	0	4.00				■				
22	4	OU2C	3	20060825	OU2C-06-CA-004	20.00	18-20	3	14	3.88				■				
23	6	OU2C	3	20060825	OU2C-06-CA-006	20.00	18-20	3	15	3.94				■			20.0	
24	9	OU2C	4	20060825	OU2C-06-CA-009	20.00	18-20	3	3	3.19				■				
25	25	OU2C	15	20060828	OU2C-06-CA-025	20.00	18-20	3	15	3.94				■				
26	17	OU2C	10	20060826	OU2C-06-CA-017	20.50	20-22	4	5	4.31					■			
27	20	OU2C	10	20060826	OU2C-06-CA-020	20.75	20-22	4	11	4.69					■			
28	19	OU2C	10	20060826	OU2C-06-CA-019	21.75	20-22	5	0	5.00					■		21.4	
29	14	OU2C	10	20060826	OU2C-06-CA-014	22.00	20-22	4	12	4.75					■			
30	21	OU2C	11	20060826	OU2C-06-CA-021	22.00	20-22	4	9	4.56					■			
OU3																		
1	29	OU3	24	20061024	OU3-06-CA-029	14.25	14-16	1	8	1.50								
2	24	OU3	6	2006829	OU3-06-CA-024	15.75	14-16	1	12	1.75	■							
3	20	OU3	5	2006829	OU3-06-CA-020	16.75	16-18	1	15	1.94	■							
4	6	OU3	1	2006829	OU3-06-CA-006	16.75	16-18	2	4	2.25	■						16.7	
5	8	OU3	4	2006829	OU3-06-CA-008	17.00	16-18	2	4	2.25	■							
6	19	OU3	5	2006829	OU3-06-CA-019	17.00	16-18	2	6	2.38	■							
7	22	OU3	6	2006829	OU3-06-CA-022	17.25	16-18	1	3	1.19								
8	28	OU3	24	20061024	OU3-06-CA-028	15.50	14-16	1	9	1.56						■		
9	30	OU3	24	20061024	OU3-06-CA-030	16.50	16-18	2	0	2.00						■		
10	33	OU3	24	20061024	OU3-06-CA-033	16.75	16-18	2	5	2.31						■		16.6
11	31	OU3	24	20061024	OU3-06-CA-031	17.00	16-18	2	10	2.63						■		
12	32	OU3	24	20061024	OU3-06-CA-032	17.25	16-18	2	10	2.63						■		
13	15	OU3	5	2006829	OU3-06-CA-015	17.50	16-18	2	6	2.38		■						
14	34	OU3	24	20061024	OU3-06-CA-034	17.50	16-18	2	9	2.56								
15	26	OU3	9	2006830	OU3-06-CA-026	17.75	16-18	2	5	2.31		■					17.8	
16	27	OU3	9	2066830	OU3-06-CA-027	17.75	16-18	2	12	2.75		■						
17	4	OU3	1	2006829	OU3-06-CA-004	18.00	16-18	2	5	2.31		■						
18	10	OU3	4	2006829	OU3-06-CA-010	18.00	16-18	2	8	2.50		■						
19	16	OU3	5	2006829	OU3-06-CA-016	18.00	16-18	2	9	2.56								
20	7	OU3	1	2006829	OU3-06-CA-007	18.25	18-20	2	15	2.94			■					
21	13	OU3	4	2006829	OU3-06-CA-013	18.50	18-20	2	13	2.81			■					
22	23	OU3	6	2006829	OU3-06-CA-023	18.50	18-20	3	1	3.06			■				18.6	
23	2	OU3	1	2006829	OU3-06-CA-002	18.75	18-20	3	0	3.00			■					
24	11	OU3	4	2006829	OU3-06-CA-011	18.75	18-20	3	6	3.38			■					
25	18	OU3	5	2006829	OU3-06-CA-018	19.00	18-20	3	1	3.06				■				
26	17	OU3	5	2006829	OU3-06-CA-017	19.00	18-20	3	2	3.13				■				
27	21	OU3	6	2006829	OU3-06-CA-021	19.00	18-20	3	7	3.44				■			19.2	
28	9	OU3	4	2006829	OU3-06-CA-009	19.25	18-20	3	3	3.19				■				
29	12	OU3	4	2006829	OU3-06-CA-012	19.50	18-20	3	6	3.38				■				
30	5	OU3	1	2006829	OU3-06-CA-005	19.75	18-20	3	5	3.31					■			
31	3	OU3	1	2006829	OU3-06-CA-003	19.75	18-20	3	12	3.75					■			
32	14	OU3	5	2006829	OU3-06-CA-014	20.00	18-20	3	7	3.44					■		19.9	
33	25	OU3	6	2006829	OU3-06-CA-025	20.00	18-20	3	8	3.50					■			
34	1	OU3	1	2006829	OU3-06-CA-001	20.00	18-20	3	12	3.75					■			

Table C-1
Fish Tissue Analysis and Compositing Plan - Carp

	Sample #	OU	Run #	Collection Date	Fish ID	Length (inches)	Size Class	Sample Weight lbs	Sample Weight oz	Weight (lbs)	Composite Plan 1	Composite Plan 2	Composite Plan 3	Composite Plan 4	Composite Plan 5	Replicate	Average Length	Replic. Average Length
OU4																		
1	26	OU4	12	20060906	OU4-06-CA-027	15.50	14-16	1	3	1.19	■						15.5	
2	32	OU4	23	20061031	OU4-06-CA-032	15.75	14-16	2	3	2.19								
3	25	OU4	11	20060906	OU4-06-CA-026	17.75	16-18	2	14	2.88		■						
4	27	OU4	13	20060906	OU4-06-CA-028	18.00	16-18	2	6	2.38		■						
5	5	OU4	8	20060905	OU4-06-CA-005	18.00	16-18	2	9	2.56		■					18.0	
6	28	OU4	15	20060906	OU4-06-CA-029	18.00	16-18	2	11	2.69		■						
7	4	OU4	8	20060905	OU4-06-CA-004	18.25	18-20	2	14	2.88		■						
8	15	OU4	8	20060905	OU4-06-CA-015	18.25	18-20	2	15	2.94								
9	29	OU4	15	20060906	OU4-06-CA-030	18.75	18-20	3	2	3.13			■					
10	2	OU4	8	20060905	OU4-06-CA-002	19.00	18-20	3	1	3.06			■					
11	19	OU4	9	20060905	OU4-06-CA-019	19.25	18-20	3	2	3.13							19.1	
12	13	OU4	8	20060905	OU4-06-CA-013	19.25	18-20	3	4	3.25			■					
13	3	OU4	8	20060905	OU4-06-CA-003	19.25	18-20	3	8	3.50			■					
14	6	OU4	8	20060905	OU4-06-CA-006	19.25	18-20	3	9	3.56			■					
15	8	OU4	8	20060905	OU4-06-CA-008	19.50	18-20	3	8	3.50				■				
16	7	OU4	8	20060905	OU4-06-CA-007	20.00	18-20	3	12	3.75				■				
17	1	OU4	1	20060904	OU4-06-CA-001	20.00	18-20	3	14	3.88				■			20.0	
18	14	OU4	8	20060905	OU4-06-CA-014	20.00	18-20	4	5	4.31				■				
19	11	OU4	8	20060905	OU4-06-CA-011	20.50	18-20	4	0	4.00				■				
20	12	OU4	8	20060905	OU4-06-CA-012	20.50	18-20	4	0	4.00								
21	16	OU4	8	20060905	OU4-06-CA-016	21.00	20-22	4	10	4.63					■			
22	10	OU4	8	20060905	OU4-06-CA-010	21.00	20-22	4	15	4.94					■			
23	18	OU4	8	20060905	OU4-06-CA-018	21.00	20-22	5	5	5.31					■		21.2	
24	9	OU4	8	20060905	OU4-06-CA-009	21.50	20-22	4	13	4.81					■			
25	20	OU4	9	20060905	OU4-06-CA-020	21.50	20-22	4	13	4.81					■			
26	24	OU4	9	20060905	OU4-06-CA-024	21.00	20-22	4	4	4.25						■		
27	25	OU4	9	20060905	OU4-06-CA-025	21.00	20-22	5	1	5.06						■		
28	22	OU4	9	20060905	OU4-06-CA-022	21.25	20-22	5	1	5.06						■		21.3
29	21	OU4	9	20060905	OU4-06-CA-021	21.50	20-22	4	5	4.31						■		
30	30	OU4	15	20060906	OU4-06-CA-031	21.50	20-22	4	12	4.75						■		
31	23	OU4	9	20060905	OU4-06-CA-023	21.75	20-22	5	0	5.00								
32	17	OU4	8	20060905	OU4-06-CA-017	22.00	20-22	4	11	4.69								
OU5A																		
1	6	5A	11	20060905	OU5A-06-CA-006	11.75	10-12	1	3	1.19	■							
2	3	5A	11	20060905	OU5A-06-CA-003	13.00	12-14	1	5	1.31	■						12.6	
3	10	5A	11	20060905	OU5A-06-CA-010	13.00	12-14	1	6	1.38	■							
4	1	5A	5	20060816	OU5A-06-CA-001	13.25	12-14	1	3	1.19		■						
5	15	5A	11	20060905	OU5A-06-CA-015	13.25	12-14	1	3	1.19		■					13.3	
6	16	5A	15	20060912	OU5A-06-CA-016	13.25	12-14	1	9	1.56		■						
7	5	5A	11	20060905	OU5A-06-CA-005	13.50	12-14	1	5	1.31			■					
8	9	5A	11	20060905	OU5A-06-CA-009	13.50	12-14	1	9	1.56			■				13.6	
9	11	5A	11	20060905	OU5A-06-CA-011	13.75	12-14	1	8	1.50			■					
10	2	5A	5	20060816	OU5A-06-CA-002	14.00	12-14	1	11	1.69				■				
11	4	5A	11	20060905	OU5A-06-CA-004	14.00	12-14	1	6	1.38				■			14.0	
12	7	5A	11	20060905	OU5A-06-CA-007	14.00	12-14	1	8	1.50				■				
13	12	5A	11	20060905	OU5A-06-CA-012	14.00	12-14	1	13	1.81						■		
14	13	5A	11	20060905	OU5A-06-CA-013	14.00	12-14	1	9	1.56						■		14.0
15	14	5A	11	20060905	OU5A-06-CA-014	14.00	12-14	1	7	1.44						■		
16	8	5A	11	20060905	OU5A-06-CA-008	15.25	14-16	1	13	1.81					■		15.3	
OU5B																		
1	4	5B	6	20060902	OU5B-06-CA-004	11.50	10-12	1	0	1.00	■						11.5	
2	7	5B	7	20060902	OU5B-06-CA-007	11.50	10-12	0	14	0.88	■							
3	6	5B	6	20060902	OU5B-06-CA-006	12.50	12-14	1	5	1.31		■					12.8	
4	3	5B	6	20060902	OU5B-06-CA-003	13.00	12-14	1	2	1.13		■						
5	1	5B	1	20060901	OU5B-06-CA-001	13.50	12-14	1	3	1.19			■				13.5	
6	5	5B	6	20060902	OU5B-06-CA-005	13.50	12-14	1	6	1.38			■					
7	2	5B	6	20060902	OU5B-06-CA-002	14.75	14-16	1	14	1.88				■			15.3	
8	9	5B	13	20060914	OU5B-06-CA-009	15.75	14-16	1	14	1.88				■				
9	8	5B	12	20060914	OU5B-06-CA-008	17.50	16-18	2	9	2.56					■		17.5	

Legend:
Samples collected by WDNR in extended season
Samples with anomalous length:weight ratio

Table C-2
Fish Tissue Analysis and Compositing Plan - Drum

LAKE WINNEBAGO

	Sample #	OU	Run #	Collection Date	Fish ID	Length (inches)	Size Class	Sample Weight lbs	Sample Weight oz	Weight (lbs)	Composite Plan 1	2	3	4	5	Replicate	Average Length	Replic. Average Length
1	7	LWB	1	20060828	LWB-06-DR-007	12.25	12-14	0	9	0.56								
2	9	LWB	1	20060828	LWB-06-DR-009	12.25	12-14	0	10	0.63								
3	1	LWB	1	20060828	LWB-06-DR-001	12.50	12-14	0	11	0.69	■							
4	2	LWB	1	20060828	LWB-06-DR-002	12.75	12-14	0	10	0.63	■							
5	6	LWB	1	20060828	LWB-06-DR-006	13.00	12-14	0	10	0.63	■						12.9	
6	8	LWB	1	20060828	LWB-06-DR-008	13.00	12-14	0	11	0.69	■							
7	3	LWB	1	20060828	LWB-06-DR-003	13.00	12-14	0	13	0.81	■							
8	34	LWB	11	20060828	LWB-06-DR-034	12.50	12-14	0	14	0.88						■		
9	10	LWB	1	20060828	LWB-06-DR-010	12.75	12-14	0	13	0.81						■		
10	4	LWB	1	20060828	LWB-06-DR-004	13.00	12-14	0	13	0.81						■		12.9
11	35	LWB	11	20060828	LWB-06-DR-035	13.00	12-14	0	14	0.88						■		
12	5	LWB	1	20060828	LWB-06-DR-005	13.25	12-14	0	14	0.88						■		
13	28	LWB	9	20060828	LWB-06-DR-028	13.75	12-14	1	0	1.00		■						
14	27	LWB	9	20060828	LWB-06-DR-027	13.75	12-14	1	2	1.13		■					14.1	
15	31	LWB	9	20060828	LWB-06-DR-031	13.75	12-14	1	4	1.25		■						
16	30	LWB	9	20060828	LWB-06-DR-030	15.25	14-16	1	14	1.88		■						
17	14	LWB	4	20060828	LWB-06-DR-014	17.00	16-18	0	10	0.63								
18	26	LWB	9	20060828	LWB-06-DR-026	17.00	16-18	3	0	3.00			■					
19	29	LWB	9	20060828	LWB-06-DR-029	17.50	16-18	2	8	2.50			■					
20	21	LWB	8	20060828	LWB-06-DR-021	17.50	16-18	2	15	2.94			■				17.8	
21	33	LWB	10	20060828	LWB-06-DR-033	18.25	18-20	3	7	3.44			■					
22	22	LWB	8	20060828	LWB-06-DR-022	18.50	18-20	3	7	3.44			■					
23	25	LWB	9	20060828	LWB-06-DR-025	19.00	18-20	3	7	3.44								
24	32	LWB	10	20060828	LWB-06-DR-032	19.50	18-20	3	14	3.88				■				
25	19	LWB	5	20060828	LWB-06-DR-019	19.50	18-20	4	3	4.19				■				
26	12	LWB	3	20060828	LWB-06-DR-012	20.25	20-22	4	3	4.19				■			20.0	
27	15	LWB	5	20060828	LWB-06-DR-015	20.25	20-22	4	8	4.50				■				
28	20	LWB	8	20060828	LWB-06-DR-020	20.25	20-22	4	15	4.94				■				
29	13	LWB	4	20060828	LWB-06-DR-013	20.50	20-22	2	8	2.50								
30	17	LWB	5	20060828	LWB-06-DR-017	21.00	20-22	5	3	5.19					■			
31	23	LWB	8	20060828	LWB-06-DR-023	21.00	20-22	5	4	5.25					■			
32	24	LWB	8	20060828	LWB-06-DR-024	21.00	20-22	5	10	5.63					■		21.3	
33	16	LWB	5	20060828	LWB-06-DR-016	21.25	20-22	4	7	4.44					■			
34	11	LWB	3	20060828	LWB-06-DR-011	21.75	20-22	4	4	4.25								
35	18	LWB	5	20060828	LWB-06-DR-018	22.00	20-22	6	1	6.06					■			

OU1

	Sample #	OU	Run #	Collection Date	Fish ID	Length (inches)	Size Class	Sample Weight lbs	Sample Weight oz	Weight (lbs)	Composite Plan 1	2	3	4	5	Replicate	Average Length	Replic. Average Length
1	16	OU1	10	2006817	OUI-06-DR-016	10.60	10-12	0	8	0.50								
2	22	OU1	17	2006818	OUI-06-DR-022	12.25	12-14	0	11	0.69	■							
3	3	OU1	4	2006816	OUI-06-DR-003	12.50	12-14	0	10	0.63	■						12.5	
4	4	OU1	4	2006816	OUI-06-DR-004	12.50	12-14	0	10	0.63	■							
5	5	OU1	4	2006816	OUI-06-DR-005	12.75	12-14	0	12	0.75	■							
6	9	OU1	9	2006817	OUI-06-DR-009	13.00	12-14	1	2	1.13		■						
7	2	OU1	4	2006816	OUI-06-DR-002	13.25	12-14	0	10	0.63		■					13.2	
8	19	OU1	16	2006818	OUI-06-DR-019	13.25	12-14	0	15	0.94		■						
9	20	OU1	17	2006818	OUI-06-DR-020	13.25	12-14	0	14	0.88		■						
10	1	OU1	3	2006816	OUI-06-DR-001	13.70	12-14	0	7	0.44								
11	15	OU1	10	2006817	OUI-06-DR-015	13.70	12-14	0	13	0.81								
12	18	OU1	11	2006817	OUI-06-DR-018	14.50	14-16	1	8	1.50			■					
13	10	OU1	9	2006817	OUI-06-DR-010	15.50	14-16	1	6	1.38			■				15.2	
14	14	OU1	10	2006817	OUI-06-DR-014	15.50	14-16	1	8	1.50			■					
15	8	OU1	8	2006817	OUI-06-DR-008	14.70	14-16	1	0	1.00						■		
16	23	OU1	19	2006818	OUI-06-DR-023	15.25	14-16	1	9	1.56						■		15.2
17	21	OU1	17	2006818	OUI-06-DR-021	15.50	14-16	1	6	1.38						■		
18	24	OU1	19	2006818	OUI-06-DR-024	16.00	14-16	1	15	1.94								
19	7	OU1	8	2006817	OUI-06-DR-007	17.00	16-18	2	2	2.13				■				
20	13	OU1	10	2006817	OUI-06-DR-013	17.30	16-18	2	10	2.63				■			17.4	
21	6	OU1	8	2006817	OUI-06-DR-006	17.75	16-18	2	8	2.50				■				
22	12	OU1	10	2006817	OUI-06-DR-012	19.00	18-20	3	5	3.31					■			
23	11	OU1	10	2006817	OUI-06-DR-011	19.30	18-20	2	14	2.88					■		19.5	
24	17	OU1	11	2006817	OUI-06-DR-017	20.25	20-22	4	8	4.50					■			

Table C-2
Fish Tissue Analysis and Compositing Plan - Drum

	Sample #	OU	Run #	Collection Date	Fish ID	Length (inches)	Size Class	Sample Weight lbs	Sample Weight oz	Weight (lbs)	Composite Plan 1	2	3	4	5	Replicate	Average Length	Replic. Average Length
OU2A																		
1	4	2A	2	20060819	OU2A-06-DR-004	10.75	10-12	0	3	0.19								
2	32	2A	8	20060820	OU2A-06-DR-032	11.00	10-12	0	14	0.88								
3	29	2A	8	20060820	OU2A-06-DR-029	11.50	10-12	1	12	1.75								
4	2	2A	2	20060819	OU2A-06-DR-002	12.00	10-12	0	5	0.31	■							
5	7	2A	2	20060819	OU2A-06-DR-007	12.25	12-14	0	6	0.38	■							
6	22	2A	8	20060820	OU2A-06-DR-022	12.50	12-14	0	14	0.88	■						12.4	
7	28	2A	8	20060820	OU2A-06-DR-028	12.50	12-14	1	4	1.25	■							
8	25	2A	8	20060820	OU2A-06-DR-025	12.50	12-14	2	0	2.00	■							
9	10	2A	2	20060819	OU2A-06-DR-010	12.75	12-14	0	6	0.38								
10	18	2A	4	20060819	OU2A-06-DR-018	12.75	12-14	0	6	0.38								
11	8	2A	2	20060819	OU2A-06-DR-008	12.75	12-14	0	8	0.50								
12	26	2A	8	20060820	OU2A-06-DR-026	12.75	12-14	2	5	2.31								
13	5	2A	2	20060819	OU2A-06-DR-005	13.00	12-14	0	8	0.50		■						
14	20	2A	8	20060820	OU2A-06-DR-020	13.00	12-14	0	14	0.88		■						
15	3	2A	2	20060819	OU2A-06-DR-003	13.25	12-14	0	9	0.56		■					13.4	
16	9	2A	2	20060819	OU2A-06-DR-009	13.75	12-14	0	9	0.56		■						
17	1	2A	2	20060819	OU2A-06-DR-001	13.75	12-14	0	10	0.63		■						
18	21	2A	8	20060820	OU2A-06-DR-021	14.00	12-14	1	3	1.19								
19	30	2A	8	20060820	OU2A-06-DR-030	14.50	14-16	1	14	1.88			■					
20	27	2A	8	20060820	OU2A-06-DR-027	14.50	14-16	1	15	1.94			■					
21	23	2A	8	20060820	OU2A-06-DR-023	15.00	14-16	1	3	1.19			■				14.9	
22	31	2A	8	20060820	OU2A-06-DR-031	15.25	14-16	0	14	0.88			■					
23	6	2A	2	20060819	OU2A-06-DR-006	15.25	14-16	1	0	1.00			■					
24	16	2A	4	20060819	OU2A-06-DR-016	16.00	14-16	1	5	1.31								
25	11	2A	2	20060819	OU2A-06-DR-011	16.00	14-16	1	8	1.50								
26	14	2A	4	20060819	OU2A-06-DR-014	16.25	16-18	1	9	1.56				■				
27	12	2A	2	20060819	OU2A-06-DR-012	16.50	16-18	1	10	1.63				■				
28	13	2A	4	20060819	OU2A-06-DR-013	16.75	16-18	1	10	1.63				■			16.8	
29	35	2A	10	20060820	OU2A-06-DR-035	17.00	16-18	2	5	2.31				■				
30	17	2A	4	20060819	OU2A-06-DR-017	17.25	16-18	1	12	1.75				■				
31	19	2A	5	20060816	OU2A-06-DR-019	18.00	16-18	2	8	2.50					■			
32	34	2A	10	20060820	OU2A-06-DR-034	18.75	18-20	3	10	3.63					■			
33	15	2A	4	20060819	OU2A-06-DR-015	19.00	18-20	2	7	2.44					■		19.1	
34	36	2A	12	20060821	OU2A-06-DR-036	19.50	18-20	3	5	3.31					■			
35	33	2A	10	20060820	OU2A-06-DR-033	20.00	18-20	5	0	5.00					■			
36	24	2A	8	20060820	OU2A-06-DR-024	NA	NA	NA	NA	NA								
OU2B																		
1	11	2B	1	20060822	OU2B-06-DR-011	12.25	12-14	0	10	0.63	■							
2	10	2B	1	20060822	OU2B-06-DR-010	12.50	12-14	0	13	0.81	■							
3	25	2B	16	20060824	OU2B-06-DR-025	12.50	12-14	0	14	0.88	■						12.7	
4	20	2B	15	20060824	OU2B-06-DR-020	13.00	12-14	1	0	1.00	■							
5	12	2B	9	20060822	OU2B-06-DR-012	13.25	12-14	1	3	1.19	■							
6	9	2B	1	20060822	OU2B-06-DR-009	14.50	14-16	1	5	1.31		■						
7	18	2B	14	20060824	OU2B-06-DR-018	14.75	14-16	1	8	1.50		■						
8	4	2B	1	20060822	OU2B-06-DR-004	15.25	14-16	1	8	1.50		■					15.2	
9	7	2B	1	20060822	OU2B-06-DR-007	15.50	14-16	1	12	1.75		■						
10	1	2B	1	20060822	OU2B-06-DR-001	16.00	14-16	2	0	2.00		■						
11	5	2B	1	20060822	OU2B-06-DR-005	16.00	14-16	2	0	2.00			■					
12	15	2B	9	20060822	OU2B-06-DR-015	16.25	16-18	2	2	2.13			■					
13	16	2B	10	20060823	OU2B-06-DR-016	16.25	16-18	1	6	1.38			■				16.6	
14	3	2B	1	20060822	OU2B-06-DR-003	17.00	16-18	2	2	2.13			■					
15	17	2B	10	20060823	OU2B-06-DR-017	17.25	16-18	1	10	1.63			■					
16	2	2B	1	20060822	OU2B-06-DR-002	18.00	16-18	2	10	2.63				■				
17	6	2B	1	20060822	OU2B-06-DR-006	18.00	16-18	2	15	2.94				■				
18	14	2B	9	20060822	OU2B-06-DR-014	18.00	16-18	2	12	2.75				■			18.0	
19	19	2B	15	20060824	OU2B-06-DR-019	18.00	16-18	2	13	2.81				■				
20	24	2B	16	20060824	OU2B-06-DR-024	18.00	16-18	2	12	2.75				■				
21	8	2B	1	20060822	OU2B-06-DR-008	18.25	18-20	2	15	2.94					■			
22	23	2B	16	20060824	OU2B-06-DR-023	19.00	18-20	3	5	3.31					■			
23	13	2B	9	20060822	OU2B-06-DR-013	19.25	18-20	3	13	3.81					■		19.4	
24	22	2B	16	20060824	OU2B-06-DR-022	20.00	18-20	3	13	3.81					■			
25	21	2B	16	20060824	OU2B-06-DR-021	20.25	20-22	3	10	3.63					■			

Table C-2
Fish Tissue Analysis and Compositing Plan - Drum

	Sample #	OU	Run #	Collection Date	Fish ID	Length (inches)	Size Class	Sample Weight lbs	Sample Weight oz	Weight (lbs)	Composite Plan 1	Composite Plan 2	Composite Plan 3	Composite Plan 4	Composite Plan 5	Replicate	Average Length	Replic. Average Length
OU2C																		
1	34	2C	10	20060826	OU2C-06-DR-034	12.00	10-12	0	12	0.75	■							
2	29	2C	5	20060825	OU2C-06-DR-029	13.25	12-14	1	0	1.00	■						13.0	
3	22	2C	4	20060825	OU2C-06-DR-022	13.75	12-14	1	2	1.13	■							
4	18	2C	4	20060825	OU2C-06-DR-018	14.50	14-16	1	5	1.31								
5	17	2C	4	20060825	OU2C-06-DR-017	14.50	14-16	1	6	1.38								
6	32	2C	6	20060825	OU2C-06-DR-032	14.75	14-16	1	8	1.50		■						
7	19	2C	4	20060825	OU2C-06-DR-019	15.00	14-16	1	9	1.56		■						
8	12	2C	4	20060825	OU2C-06-DR-012	15.00	16-18	1	11	1.69		■					15.1	
9	3	2C	3	20060825	OU2C-06-DR-003	15.25	14-16	1	6	1.38		■						
10	20	2C	4	20060825	OU2C-06-DR-020	15.25	14-16	1	8	1.50		■						
11	21	2C	4	20060825	OU2C-06-DR-021	15.25	14-16	1	8	1.50								
12	14	2C	4	20060825	OU2C-06-DR-014	15.25	16-18	1	11	1.69								
13	7	2C	3	20060825	OU2C-06-DR-007	15.50	14-16	1	2	1.13								
14	31	2C	6	20060825	OU2C-06-DR-031	15.50	14-16	2	0	2.00								
15	2	2C	3	20060825	OU2C-06-DR-002	16.00	14-16	1	7	1.44								
16	16	2C	4	20060825	OU2C-06-DR-016	16.00	16-18	1	9	1.56								
17	5	2C	3	20060825	OU2C-06-DR-005	16.50	16-18	1	8	1.50								
18	39	2C	11	20060826	OU2C-06-DR-039	16.50	16-18	1	14	1.88								
19	13	2C	4	20060825	OU2C-06-DR-013	16.50	14-16	1	15	1.94								
20	15	2C	4	20060825	OU2C-06-DR-015	16.50	14-16	1	15	1.94								
21	28	2C	5	20060825	OU2C-06-DR-028	16.50	16-18	1	15	1.94			■					
22	30	2C	6	20060825	OU2C-06-DR-030	16.75	16-18	3	4	3.25								
23	6	2C	3	20060825	OU2C-06-DR-006	17.00	16-18	1	10	1.63			■				17.0	
24	4	2C	3	20060825	OU2C-06-DR-004	17.00	16-18	1	11	1.69			■					
25	11	2C	4	20060825	OU2C-06-DR-011	17.00	12-14	2	13	2.81			■					
26	26	2C	5	20060825	OU2C-06-DR-026	17.50	16-18	2	6	2.38			■					
27	10	2C	4	20060825	OU2C-06-DR-010	17.75	16-18	2	11	2.69								
28	33	2C	7	20060825	OU2C-06-DR-033	18.00	16-18	2	9	2.56				■				
29	23	2C	5	20060825	OU2C-06-DR-023	18.75	18-20	3	0	3.00				■				
30	27	2C	5	20060825	OU2C-06-DR-027	19.25	18-20	3	3	3.19				■			19.1	
31	25	2C	5	20060825	OU2C-06-DR-025	19.25	18-20	3	11	3.69				■				
32	36	2C	11	20060826	OU2C-06-DR-036	20.00	18-20	4	0	4.00				■				
33	24	2C	5	20060825	OU2C-06-DR-024	20.50	20-22	3	13	3.81								
34	8	2C	4	20060825	OU2C-06-DR-008	20.50	20-22	4	5	4.31					■			
35	1	2C	3	20060825	OU2C-06-DR-001	20.75	20-22	4	11	4.69					■			
36	35	2C	11	20060826	OU2C-06-DR-035	21.00	20-22	4	8	4.50					■		21.1	
37	37	2C	11	20060826	OU2C-06-DR-037	21.00	20-22	5	6	5.38					■			
38	38	2C	11	20060826	OU2C-06-DR-038	22.00	20-22	6	4	6.25					■			
39	9	2C	4	20060825	OU2C-06-DR-009	23.25	22-24	7	0	7.00								
OU3																		
1	23	OU3	10	2006830	OU3-06-DR-023	12.75	12-14	0	12	0.75	■							
2	7	OU3	4	2006829	OU3-06-DR-007	13.50	12-14	1	2	1.13	■						13.4	
3	11	OU3	4	2006829	OU3-06-DR-011	14.00	12-14	1	4	1.25	■							
4	9	OU3	4	2006829	OU3-06-DR-009	14.75	14-16	1	7	1.44		■						
5	6	OU3	1	2006829	OU3-06-DR-006	15.00	14-16	1	10	1.63		■						
6	13	OU3	4	2006829	OU3-06-DR-013	15.25	14-16	1	13	1.81		■					15.1	
7	15	OU3	6	2006829	OU3-06-DR-016	15.25	14-16	1	6	1.38		■						
8	21	OU3	9	2006830	OU3-06-DR-021	15.25	14-16	1	0	1.00		■						
9	14	OU3	4	2006829	OU3-06-DR-014	15.50	14-16	1	15	1.94								
10	16	OU3	6	2006829	OU3-06-DR-017	15.50	14-16	1	7	1.44								
11	5	OU3	1	2006829	OU3-06-DR-005	16.00	14-16	1	13	1.81								
12	10	OU3	4	2006829	OU3-06-DR-010	16.00	14-16	2	1	2.06			■					
13	24	OU3	10	2006830	OU3-06-DR-024	16.25	16-18	1	13	1.81			■					
14	25	OU3	11	2006830	OU3-06-DR-025	16.50	16-18	2	0	2.00			■				16.5	
15	12	OU3	4	2006829	OU3-06-DR-012	16.75	14-16	2	6	2.38			■					
16	8	OU3	4	2006829	OU3-06-DR-008	17.00	16-18	2	2	2.13			■					
17	20	OU3	9	2006830	OU3-06-DR-020	17.00	16-18	1	15	1.94								
18	18	OU3	8	2006829	OU3-06-DR-019	17.75	16-18	2	8	2.50				■				
19	19	OU3	9	2006830	OU3-06-DR-019A	18.00	16-18	2	12	2.75				■				
20	17	OU3	8	2006829	OU3-06-DR-018	18.25	18-20	2	5	2.31				■			18.2	
21	4	OU3	1	2006829	OU3-06-DR-004	18.50	18-20	3	2	3.13				■				
22	22	OU3	9	2006830	OU3-06-DR-022	18.50	18-20	2	12	2.75				■				
23	3	OU3	1	2006829	OU3-06-DR-003	19.50	18-20	3	9	3.56					■			
24	1	OU3	1	2006829	OU3-06-DR-001	20.00	18-20	4	10	4.63					■		20.2	
25	2	OU3	1	2006829	OU3-06-DR-002	21.00	20-22	4	6	4.38					■			

Table C-2
Fish Tissue Analysis and Compositing Plan - Drum

	Sample #	OU	Run #	Collection Date	Fish ID	Length (inches)	Size Class	Sample Weight lbs	Sample Weight oz	Weight (lbs)	Composite Plan 1	Composite Plan 2	Composite Plan 3	Composite Plan 4	Composite Plan 5	Replicate	Average Length	Replic. Average Length
OU4																		
1	14	OU4	2	20060904	OU4-06-DR-014	12.25	12-14	0	14	0.88	■							
2	20	OU4	2	20060904	OU4-06-DR-020	12.50	12-14	1	0	1.00	■							
3	12	OU4	2	20060904	OU4-06-DR-012	13.00	12-14	0	15	0.94	■						12.8	
4	13	OU4	2	20060904	OU4-06-DR-013	13.00	12-14	0	15	0.94	■							
5	8	OU4	1	20060904	OU4-06-DR-008	13.25	12-14	1	0	1.00	■							
6	7	OU4	1	20060904	OU4-06-DR-007	13.50	12-14	1	4	1.25		■						
7	6	OU4	1	20060904	OU4-06-DR-006	14.00	12-14	1	4	1.25		■						
8	15	OU4	2	20060904	OU4-06-DR-015	14.00	12-14	1	6	1.38		■					14.1	
9	30	OU4	4	20060904	OU4-06-DR-030	14.50	14-16	1	7	3.44								
10	4	OU4	1	20060904	OU4-06-DR-004	14.75	14-16	1	6	1.38		■						
11	27	OU4	4	20060904	OU4-06-DR-027	15.50	14-16	1	10	4.63								
12	19	OU4	2	20060904	OU4-06-DR-019	15.75	14-16	1	12	1.75			■					
13	25	OU4	2	20060904	OU4-06-DR-025	15.75	14-16	1	10	1.63			■					
14	16	OU4	2	20060904	OU4-06-DR-016	16.00	14-16	2	1	2.06			■				16.0	
15	22	OU4	2	20060904	OU4-06-DR-022	16.00	14-16	1	12	1.75			■					
16	26	OU4	4	20060904	OU4-06-DR-026	16.50	16-18	1	15	1.94			■					
17	11	OU4	2	20060904	OU4-06-DR-011	15.00	14-16	1	8	1.50						■		
18	28	OU4	4	20060904	OU4-06-DR-028	15.75	14-16	1	13	0.81						■		
19	3	OU4	1	20060904	OU4-06-DR-003	16.00	14-16	1	12	1.75						■		15.9
20	2	OU4	1	20060904	OU4-06-DR-002	16.25	16-18	1	12	1.75						■		
21	9	OU4	1	20060904	OU4-06-DR-009	16.50	16-18	2	3	2.19						■		
22	23	OU4	2	20060904	OU4-06-DR-023	17.00	16-18	2	0	2.00				■				
23	18	OU4	2	20060904	OU4-06-DR-018	17.25	16-18	2	7	2.44				■				
24	21	OU4	2	20060904	OU4-06-DR-021	17.25	16-18	2	8	2.50				■			17.3	
25	5	OU4	1	20060904	OU4-06-DR-005	17.50	16-18	2	13	2.81				■				
26	24	OU4	2	20060904	OU4-06-DR-024	17.50	16-18	2	9	2.56				■				
27	1	OU4	1	20060904	OU4-06-DR-001	17.75	16-18	2	7	2.44					■			
28	17	OU4	2	20060904	OU4-06-DR-017	17.75	16-18	2	11	2.69					■		18.1	
29	29	OU4	4	20060904	OU4-06-DR-029	18.25	18-20	2	8	1.50					■			
30	10	OU4	2	20060904	OU4-06-DR-010	18.50	18-20	3	2	3.13					■			
OU5A																		
1	14	5A	7	20060816	OU5A-06-DR-014	10.00	10-12	0	5	0.31								
2	12	5A	5	20060816	OU5A-06-DR-012	10.00	10-12	0	7	0.44								
3	13	5A	5	20060816	OU5A-06-DR-013	10.75	10-12	0	7	0.44	■							
4	15	5A	8	20060816	OU5A-06-DR-015	11.00	12-14	0	7	0.44	■							
5	2	5A	1	20060816	OU5A-06-DR-002	11.50	10-12	0	10	0.63	■						11.5	
6	8	5A	4	20060816	OU5A-06-DR-008	12.00	10-12	0	12	0.75	■							
7	31	5A	11	20060905	OU5A-06-DR-031	12.00	10-12	0	14	0.88	■							
8	7	5A	3	20060816	OU5A-06-DR-007	12.50	12-14	1	0	1.00		■						
9	24	5A	11	20060905	OU5A-06-DR-024	12.50	12-14	1	0	1.00		■						
10	18	5A	10	20060816	OU5A-06-DR-018	13.00	14-16	1	0	1.00		■					12.9	
11	22	5A	11	20060905	OU5A-06-DR-022	13.00	12-14	1	3	1.19		■						
12	4	5A	3	20060816	OU5A-06-DR-004	13.25	12-14	1	0	1.00		■						
13	23	5A	11	20060905	OU5A-06-DR-023	13.50	12-14	1	1	1.06			■					
14	6	5A	3	20060816	OU5A-06-DR-006	13.50	14-16	1	2	1.13			■					
15	16	5A	9	20060816	OU5A-06-DR-016	14.00	12-14	1	2	1.13			■				13.9	
16	20	5A	10	20060816	OU5A-06-DR-020	14.00	12-14	1	2	1.13			■					
17	5	5A	3	20060816	OU5A-06-DR-005	14.50	14-16	1	1	1.06			■					
18	11	5A	5	20060816	OU5A-06-DR-011	13.50	12-14	1	2	1.13						■		
19	28	5A	11	20060905	OU5A-06-DR-028	13.50	12-14	1	4	1.25						■		
20	21	5A	10	20060816	OU5A-06-DR-021	14.00	12-14	1	2	1.13						■		14.0
21	17	5A	9	20060816	OU5A-06-DR-017	14.25	14-16	1	2	1.13						■		
22	19	5A	10	20060816	OU5A-06-DR-019	14.50	14-16	1	1	1.06						■		
23	3	5A	2	20060816	OU5A-06-DR-003	14.50	14-16	1	4	1.25								
24	1	5A	1	20060816	OU5A-06-DR-001	14.75	14-16	1	2	1.13				■				
25	9	5A	4	20060816	OU5A-06-DR-009	15.00	14-16	1	6	1.38				■				
26	10	5A	4	20060816	OU5A-06-DR-010	15.00	14-16	1	10	1.63				■			15.0	
27	29	5A	11	20060905	OU5A-06-DR-029	15.00	14-16	1	12	1.75				■				
28	27	5A	11	20060905	OU5A-06-DR-027	15.25	14-16	1	15	1.94				■				
29	26	5A	11	20060905	OU5A-06-DR-026	16.25	16-18	2	5	2.31					■			
30	30	5A	11	20060905	OU5A-06-DR-030	16.75	16-18	1	14	1.88					■		16.6	
31	25	5A	11	20060905	OU5A-06-DR-025	16.75	16-18	2	0	2.00					■			

Table C-2
Fish Tissue Analysis and Compositing Plan - Drum

	Sample #	OU	Run #	Collection Date	Fish ID	Length (inches)	Size Class	Sample Weight lbs	Sample Weight oz	Weight (lbs)	Composite Plan 1	Composite Plan 2	Composite Plan 3	Composite Plan 4	Composite Plan 5	Replicate	Average Length	Replic. Average Length
OU5B																		
1	13	5B	11	20060904	OU5B-06-DR-013	12.25	12-14	0	11	0.69	■						12.8	
2	17	5B	11	20060904	OU5B-06-DR-017	12.75	12-14	0	14	0.88	■							
3	7	5B	11	20060904	OU5B-06-DR-007	13.25	12-14	1	1	1.06	■							
4	3	5B	5	20060902	OU5B-06-DR-003	13.75	14-16	1	1	1.06		■					14.2	
5	15	5B	11	20060904	OU5B-06-DR-015	14.00	12-14	1	1	1.06		■						
6	6	5B	8	20060903	OU5B-06-DR-006	14.75	14-16	1	7	1.44		■						
7	10	5B	11	20060904	OU5B-06-DR-010	15.50	14-16	1	8	1.50			■				15.7	
8	9	5B	11	20060904	OU5B-06-DR-009	15.75	14-16	1	11	1.69			■					
9	14	5B	11	20060904	OU5B-06-DR-014	15.75	14-16	1	14	1.88			■					
10	12	5B	11	20060904	OU5B-06-DR-012	16.50	16-18	1	14	1.88								
11	5	5B	8	20060903	OU5B-06-DR-005	17.00	16-18	2	7	2.44				■			17.7	
12	4	5B	8	20060903	OU5B-06-DR-004	17.50	16-18	2	15	2.94				■				
13	16	5B	11	20060904	OU5B-06-DR-016	18.50	18-20	3	0	3.00				■				
14	11	5B	11	20060904	OU5B-06-DR-011	19.25	18-20	3	8	3.50					■		20.0	
15	8	5B	11	20060904	OU5B-06-DR-008	19.50	18-20	1	7	1.44								
16	2	5B	5	20060902	OU5B-06-DR-002	20.25	20-22	4	7	4.44					■			
17	1	5B	1	200600901	OU5B-06-DR-001	20.50	20-22	5	3	5.19					■			

Legend:
Samples with anomalous length:weight ratio

Table C-3
Fish Tissue Analysis and Compositing Plan - Walleye

	Sample #	OU	Run #	Collection Date	Fish ID	Length (inches)	Size Class	Sample Weight lbs	Sample Weight oz	Weight (lbs)	Chemistry	Replicate
LAKE WINNEBAGO												
1	5	LWB	1	20060828	LWB-06-WA-005	10.75	10-12	0	5	0.31		
2	15	LWB	3	20060828	LWB-06-WA-015	12.25	12-14	0	8	0.50		
3	17	LWB	3	20060828	LWB-06-WA-017	12.25	12-14	0	8	0.5		
4	9	LWB	2	20060828	LWB-06-WA-009	12.50	12-14	0	8	0.50		
5	13	LWB	3	20060828	LWB-06-WA-013	12.75	12-14	0	7	0.44		
6	10	LWB	3	20060828	LWB-06-WA-010	13.25	12-14	0	10	0.63		
7	4	LWB	1	20060828	LWB-06-WA-004	13.75	12-14	0	11	0.69		
8	12	LWB	3	20060828	LWB-06-WA-012	14.00	12-14	0	9	0.56		
9	7	LWB	2	20060828	LWB-06-WA-007	14.50	14-16	0	15	0.94		
10	6	LWB	2	20060828	LWB-06-WA-006	15.25	14-16	0	15	0.94		
11	8	LWB	2	20060828	LWB-06-WA-008	15.25	14-16	1	3	1.19		
12	14	LWB	3	20060828	LWB-06-WA-014	15.25	14-16	1	0	1.00		
13	2	LWB	1	20060828	LWB-06-WA-002	15.75	14-16	1	2	1.13		
14	1	LWB	1	20060828	LWB-06-WA-001	16.00	14-16	1	7	1.44		
15	3	LWB	1	20060828	LWB-06-WA-003	16.00	14-16	1	4	1.25		
16	11	LWB	3	20060828	LWB-06-WA-011	16.00	14-16	1	5	1.31		
17	16	LWB	3	20060828	LWB-06-WA-016	16.25	16-18	1	8	1.50		
OU1												
1	7	OU1	8	2006817	OU1-06-WA-007	8.50	8-10	0	4	0.25		
2	2	OU1	8	2006817	OU1-06-WA-002	9.25	8-10	0	4	0.25		
3	1	OU1	6	2006816	OU1-06-WA-001	9.50	8-10	0	4	0.25		
4	5	OU1	8	2006817	OU1-06-WA-005	10.00	8-10	0	8	0.50		
5	9	OU1	16	2006818	OU1-06-WA-009	10.00	8-10	0	4	0.25		
6	10	OU1	16	2006818	OU1-06-WA-010	10.00	8-10	0	5	0.31		
7	13	OU1	16	2006818	OU1-06-WA-013	10.00	8-10	0	5	0.31		
8	17	OU1	21	2006908	OU1-06-WA-017	10.25	10-12	0	5	0.31		
9	6	OU1	8	2006817	OU1-06-WA-006	10.50	10-12	0	10	0.63		
10	11	OU1	16	2006818	OU1-06-WA-011	10.50	10-12	0	6	0.38		
11	18	OU1	22	2006908	OU1-06-WA-018	10.50	10-12	0	3	0.19		
12	4	OU1	8	2006817	OU1-06-WA-004	11.00	10-12	0	8	0.50		
13	12	OU1	16	2006818	OU1-06-WA-012	11.00	10-12	0	7	0.44		
14	16	OU1	19	2006818	OU1-06-WA-016	11.00	10-12	0	6	0.38		
15	3	OU1	8	2006817	OU1-06-WA-003	12.00	10-12	0	12	0.75		
16	8	OU1	16	2006818	OU1-06-WA-008	14.75	14-16	0	15	0.94		
17	14	OU1	17	2006818	OU1-06-WA-014	16.25	16-18	1	5	1.31		
18	15	OU1	18	2006818	OU1-06-WA-015	16.75	16-18	1	8	1.50		
OU2A												
1	11	2A	8	20060820	OU2A-06-WA-011	10.50	10-12	0	7	0.44		
2	13	2A	10	20060820	OU2A-06-WA-013	10.50	10-12	0	8	0.50		
3	3	2A	8	20060820	OU2A-06-WA-003	11.75	10-12	0	7	0.44		
4	12	2A	10	20060820	OU2A-06-WA-012	11.75	10-12	0	10	0.63		
5	9	2A	8	20060820	OU2A-06-WA-009	12.50	12-14	0	13	0.81		
6	20	2A	12	20060821	OU2A-06-WA-020	12.50	12-14	0	11	0.69		
7	14	2A	11	20060820	OU2A-06-WA-014	14.25	14-16	0	14	0.88		
8	21	2A	12	20060821	OU2A-06-WA-021	14.50	14-16	0	13	0.81		
9	1	2A	8	20060820	OU2A-06-WA-001	15.50	16-18	1	8	1.50		
10	5	2A	8	20060820	OU2A-06-WA-005	15.50	14-16	1	1	1.06		
11	10	2A	8	20060820	OU2A-06-WA-010	15.50	14-16	1	4	1.25		
12	6	2A	8	20060820	OU2A-06-WA-006	16.50	16-18	1	9	1.56		
13	2	2A	8	20060820	OU2A-06-WA-002	17.00	16-18	1	9	1.56		
14	19	2A	12	20060821	OU2A-06-WA-019	17.00	16-18	1	9	1.56		
15	8	2A	8	20060820	OU2A-06-WA-008	17.50	16-18	1	12	1.75		
16	7	2A	8	20060820	OU2A-06-WA-007	18.00	16-18	2	5	2.31		
17	18	2A	12	20060821	OU2A-06-WA-018	18.50	18-20	1	12	1.75		
18	4	2A	8	20060820	OU2A-06-WA-004	18.75	18-20	2	6	2.38		
19	15	2A	12	20060821	OU2A-06-WA-015	19.50	18-20	2	2	2.13		
20	17	2A	12	20060821	OU2A-06-WA-017	19.50	18-20	1	14	1.88		
21	16	2A	12	20060821	OU2A-06-WA-0165	20.00	18-20	2	2	2.13		
OU2B												
1	7	OU2B	1	20060822	OU2B-06-WA-011	10.00	8-10	0	5	0.31		
2	6	OU2B	1	20060822	OU2B-06-WA-006	10.25	10-12	0	6	0.38		
3	4	OU2B	1	20060822	OU2B-06-WA-004	10.50	10-12	0	7	0.44		
4	12	OU2B	17	20060824	OU2B-06-WA-012	10.50	10-12	0	5	0.31		
5	2	OU2B	1	20060822	OU2B-06-WA-002	10.75	10-12	0	8	0.50		
6	3	OU2B	1	20060822	OU2B-06-WA-003	10.75	10-12	0	7	0.44		
7	13	OU2B	17	20060824	OU2B-06-WA-013	10.75	10-12	0	7	0.44		
8	5	OU2B	1	20060822	OU2B-06-WA-005	11.00	10-12	0	7	0.44		
9	9	OU2B	8	20060823	OU2B-06-WA-008	12.75	12-14	0	7	0.44		
10	10	OU2B	8	20060823	OU2B-06-WA-009	14.00	12-14	0	9	0.56		
11	14	OU2B	17	20060824	OU2B-06-WA-014	14.25	14-16	1	1	1.06		
12	8	OU2B	8	20060823	OU2B-06-WA-007	14.50	14-16	0	11	0.69		
13	11	OU2B	9	20060823	OU2B-06-WA-010	15.00	14-16	1	0	1.00		
14	15	OU2B	17	20060824	OU2B-06-WA-015	15.00	14-16	1	1	1.06		
15	16	OU2B	17	20060824	OU2B-06-WA-016	15.00	14-16	1	3	1.19		
16	1	OU2B	1	20060822	OU2B-06-WA-001	17.50	16-18	1	14	1.88		

Table C-3
Fish Tissue Analysis and Compositing Plan - Walleye

	Sample #	OU	Run #	Collection Date	Fish ID	Length (inches)	Size Class	Sample Weight lbs	Sample Weight oz	Weight (lbs)	Chemistry	Replicate
OU2C												
1	6	OU2C	14	20060828	OU2C-06-WA-006	11.00	10-12	0	8	0.50		
2	10	OU2C	17	20060828	OU2C-06-WA-010	11.00	10-12	0	8	0.50		
3	9	OU2C	17	20060828	OU2C-06-WA-009	11.50	10-12	0	9	0.56		
4	1	OU2C	4	20060825	OU2C-06-WA-001	14.25	14-16	0	15	0.94		
5	8	OU2C	17	20060828	OU2C-06-WA-008	14.25	14-16	0	15	0.94		
6	2	OU2C	4	20060825	OU2C-06-WA-002	14.50	14-16	1	0	1.00		
7	3	OU2C	7	20060825	OU2C-06-WA-003	14.50	14-16	0	7	0.44		
8	11	OU2C	18	20060828	OU2C-06-WA-011	14.75	14-16	1	0	1.00		
9	7	OU2C	17	20060828	OU2C-06-WA-007	17.00	16-18	1	9	1.56		
10	14	OU2C	19	20060909	OU2C-06-WA-014	18.00	16-18	1	13	1.81		
11	16	OU2C	19	20060909	OU2C-06-WA-016	18.00	16-18	1	14	1.88		
12	5	OU2C	11	20060826	OU2C-06-WA-005	18.25	18-20	1	15	1.94		
13	15	OU2C	19	20060909	OU2C-06-WA-015	19.75	18-20	2	2	2.13		
14	4	OU2C	7	20060825	OU2C-06-WA-004	21.00	20-22	2	5	2.31		
15	13	OU2C	19	20060909	OU2C-06-WA-013	21.25	20-22	3	3	3.19		
16	12	OU2C	19	20060909	OU2C-06-WA-012	21.75	20-22	3	13	3.81		
OU3												
1	2	OU3	6	2006829	OU3-06-WA-002	13.25	12-14	0	13	0.81		
2	3	OU3	9	2006830	OU3-06-WA-003	14.75	14-16	0	9	0.56		
3	6	OU3	18	2006831	OU3-06-WA-006	15.00	14-16	1	4	1.25		
4	8	OU3	23	20061023	OU3-06-WA-008	15.00	14-16	1	3	1.19		
5	5	OU3	18	2006831	OU3-06-WA-005	15.50	14-16	1	2	1.13		
6	10	OU3	23	20061023	OU3-06-WA-010	15.50	14-16	1	4	1.25		
7	4	OU3	13	2006830	OU3-06-WA-004	15.75	14-16	1	6	1.38		
8	9	OU3	23	20061023	OU3-06-WA-009	17.50	16-18	1	12	1.75		
9	14	OU3	24	20061024	OU3-06-WA-014	18.50	18-20	2	12	2.75		
10	15	OU3	24	20061024	OU3-06-WA-015	18.50	18-20	2	13	2.81		
11	7	OU3	23	20061023	OU3-06-WA-007	18.75	18-20	2	9	2.56		
12	11	OU3	23	20061023	OU3-06-WA-011	18.75	18-20	2	10	2.63		
13	13	OU3	23	20061023	OU3-06-WA-013	19.50	18-20	2	12	2.75		
14	1	OU3	6	2006829	OU3-06-WA-001	20.50	20-22	2	15	2.94		
15	12	OU3	23	20061023	OU3-06-WA-012	20.50	20-22	3	8	3.50		
OU4												
1	18	OU4	22	20061030	OU4-06-WA-018	12.75	12-14	0	13	0.81		
2	6	OU4	1	20060904	OU4-06-WA-006	14.50	14-16	1	1	1.06		
3	21	OU4	22	20061030	OU4-06-WA-021	14.50	14-16	1	1	1.06		
4	19	OU4	22	20061030	OU4-06-WA-019	14.75	14-16	1	1	1.06		
5	9	OU4	1	20060904	OU4-06-WA-009	15.25	14-16	1	3	1.19		
6	15	OU4	2	20060904	OU4-06-WA-015	15.25	14-16	1	3	1.19		
7	17	OU4	22	20061030	OU4-06-WA-017	15.25	14-16	1	5	1.31		
8	20	OU4	22	20061030	OU4-06-WA-020	15.25	14-16	1	4	1.25		
9	7	OU4	1	20060904	OU4-06-WA-007	15.50	14-16	1	1	1.06		
10	10	OU4	1	20060904	OU4-06-WA-010	16.25	16-18	1	5	1.31		
11	13	OU4	1	20060904	OU4-06-WA-013	16.25	16-18	1	6	1.38		
12	16	OU4	2	20060904	OU4-06-WA-016	16.25	16-18	1	7	1.44		
13	4	OU4	1	20060904	OU4-06-WA-004	16.50	16-18	1	6	1.38		
14	3	OU4	1	20060904	OU4-06-WA-003	17.00	16-18	1	13	1.81		
15	8	OU4	1	20060904	OU4-06-WA-008	17.25	16-18	1	10	1.63		
16	11	OU4	1	20060904	OU4-06-WA-011	17.25	16-18	1	8	1.50		
17	5	OU4	1	20060904	OU4-06-WA-005	18.25	18-20	1	13	1.81		
18	12	OU4	1	20060904	OU4-06-WA-012	18.25	18-20	1	10	1.63		
19	2	OU4	1	20060904	OU4-06-WA-002	18.75	18-20	2	3	2.19		
20	14	OU4	2	20060904	OU4-06-WA-014	19.75	18-20	2	12	2.75		
21	1	OU4	1	20060904	OU4-06-WA-001	21.00	20-22	3	1	3.06		
OU5A												
1	8	5A	7	20060816	OU5A-06-WA-008	14.00	12-14	1	0	1.00		
2	3	5A	2	20060816	OU5A-06-WA-003	14.50	14-16	1	0	1.00		
3	2	5A	1	20060816	OU5A-06-WA-002	14.75	14-16	1	1	1.06		
4	12	5A	11	20060905	OU5A-06-WA-012	14.75	14-16	1	1	1.06		
5	7	5A	6	20060816	OU5A-06-WA-007	15.75	14-16	1	7	1.44		
6	6	5A	6	20060816	OU5A-06-WA-006	16.00	14-16	1	10	1.63		
7	4	5A	2	20060816	OU5A-06-WA-004	16.25	16-18	1	9	1.56		
8	13	5A	11	20060905	OU5A-06-WA-013	16.25	16-18	1	7	1.44		
9	1	5A	1	20060816	OU5A-06-WA-001	16.50	16-18	1	10	1.63		
10	5	5A	3	20060816	OU5A-06-WA-005	18.00	16-18	2	3	2.19		
11	9	5A	11	20060905	OU5A-06-WA-009	18.00	16-18	2	0	2.00		
12	11	5A	11	20060905	OU5A-06-WA-011	18.00	16-18	2	0	2.00		
13	10	5A	11	20060905	OU5A-06-WA-010	18.50	18-20	2	8	2.50		
14	14	5A	11	20060905	OU5A-06-WA-014	19.00	18-20	2	3	2.19		
15	15	5A	11	20060905	OU5A-06-WA-015	20.00	18-20	3	2	3.13		

Table C-3
Fish Tissue Analysis and Compositing Plan - Walleye

	Sample #	OU	Run #	Collection Date	Fish ID	Length (inches)	Size Class	Sample Weight lbs	Sample Weight oz	Weight (lbs)	Chemistry	Replicate
	OU5B											
1	11	5B	8	20060903	OU5B-06-WA-011	16.00	14-16	1	4	1.25	■	
2	6	5B	5	20060902	OU5B-06-WA-006	16.50	16-18	1	12	1.75	■	
3	14	5B	8	20060903	OU5B-06-WA-014	16.50	16-18	1	4	1.25	■	
4	9	5B	8	20060903	OU5B-06-WA-009	17.25	16-18	1	8	1.50	■	
5	17	5B	11	20060904	OU5B-06-WA-017	17.25	16-18	1	12	1.75	■	
6	3	5B	1	20060901	OU5B-06-WA-003	17.75	16-18	1	12	1.75	■	
7	8	5B	8	20060903	OU5B-06-WA-008	17.75	16-18	1	10	1.63	■	
8	1	5B	1	20060901	OU5B-06-WA-001	18.25	18-20	2	0	2.00	■	
9	5	5B	5	20060902	OU5B-06-WA-005	18.25	18-20	2	7	2.44		
10	10	5B	8	20060903	OU5B-06-WA-010	18.25	18-20	2	0	2.00	■	
11	13	5B	8	20060903	OU5B-06-WA-013	18.25	18-20	1	13	1.81		■
12	2	5B	1	20060901	OU5B-06-WA-002	18.75	18-20	2	1	2.06	■	
13	7	5B	5	20060902	OU5B-06-WA-007	18.75	18-20	2	7	2.44	■	
14	12	5B	8	20060903	OU5B-06-WA-012	18.75	18-20	2	1	2.06	■	
15	16	5B	11	20060904	OU5B-06-WA-016	19.00	18-20	2	5	2.31	■	
16	15	5B	11	20060904	OU5B-06-WA-015	19.50	18-20	2	5	2.31	■	
17	4	5B	5	20060902	OU5B-06-WA-004	19.75	18-20	3	0	3.00	■	

Legend:
Samples collected by WDNR in extended season

Table C-4
Fish Tissue Analysis and Compositing Plan - Smallmouth Bass

	Sample #	OU	Run #	Collection Date	Fish ID	Length (inches)	Size Class	Sample Weight lbs	Sample Weight oz	Weight (lbs)	Chemistry	Replicate
LAKE WINNEBAGO												
1	4	LWB	1	20070622	LWB-07-SB-004	10.00	10-12	0	8	0.50	■	
2	2	LWB	1	20070622	LWB-07-SB-002	10.25	10-12	0	14	0.90	■	
3	14	LWB	13	20070624	LWB-07-SB-014	12.00	12-14	0	14	0.88	■	
4	8	LWB	12	20070624	LWB-07-SB-008	12.75	12-14	1	6	1.40	■	
5	1	LWB	1	20070622	LWB-07-SB-001	13.50	12-14	1	6	1.40	■	
6	11	LWB	13	20070624	LWB-07-SB-011	14.00	14-16	1	14	1.90	■	
7	3	LWB	1	20070622	LWB-07-SB-003	14.10	14-16	1	3	1.20	■	
8	13	LWB	13	20070624	LWB-07-SB-013	14.25	14-16	1	10	1.60	■	
9	9	LWB	12	20070624	LWB-07-SB-009	14.25	14-16	1	14	1.90	■	
10	12	LWB	13	20070624	LWB-07-SB-012	14.50	14-16	1	11	1.70	■	
11	6	LWB	7	20070623	LWB-07-SB-006	14.75	14-16	1	2	1.13	■	
12	15	LWB	14	20070629	LWB-07-SB-015	15.10	14-16	1	2	1.11	■	
13	5	LWB	1	20070622	LWB-07-SB-005	16.25	16-18	2	0	2.00	■	
14	10	LWB	12	20070624	LWB-07-SB-010	16.25	16-18	2	8	2.50	■	
15	7	LWB	7	20070623	LWB-07-SB-007	16.50	16-18	2	3	2.20	■	
OU1												
--	12	OU1	8	20060817	OU1-06-SB-019	6.50	6-8	0	2	0.13		
--	16	OU1	9	20060817	OU1-06-SB-017	7.00	6-8	0	2	0.13		
--	17	OU1	9	20060817	OU1-06-SB-018	7.00	6-8	0	2	0.13		
--	4	OU1	6	20060816	OU1-06-SB-006	7.25	6-8	0	4	0.25		
1	11	OU1	8	20060817	OU1-06-SB-013	8.30	8-10	0	6	0.38		
2	9	OU1	8	20060817	OU1-06-SB-011	8.30	8-10	0	8	0.50		
3	10	OU1	8	20060817	OU1-06-SB-012	9.20	8-10	0	10	0.63	■	
4	15	OU1	9	20060817	OU1-06-SB-016	9.70	8-10	0	11	0.69	■	
5	8	OU1	8	20060817	OU1-06-SB-010	10.30	10-12	0	13	0.81	■	
6	3	OU1	5	20060816	OU1-06-SB-005	11.50	10-12	0	14	0.88	■	
7	18	OU1	16	20060818	OU1-06-SB-019A	12.00	12-14	0	14	0.88	■	
8	14	OU1	9	20060817	OU1-06-SB-015	12.50	12-14	0	14	0.88	■	
9	13	OU1	9	20060817	OU1-06-SB-014	12.60	12-14	1	0	1.00	■	
10	19	OU1	17	20060818	OU1-06-SB-020	13.00	12-14	1	2	1.13	■	
11	21	OU1	18	20060818	OU1-06-SB-022	13.00	12-14	1	4	1.25	■	
12	6	OU1	8	20060817	OU1-06-SB-008	13.00	12-14	1	5	1.31	■	
13	7	OU1	8	20060817	OU1-06-SB-009	13.50	12-14	1	5	1.31	■	
14	5	OU1	8	20060817	OU1-06-SB-007	15.00	14-16	1	13	1.81	■	
15	2	OU1	5	20060816	OU1-06-SB-004	15.50	14-16	1	15	1.94	■	
16	1	OU1	5	20060816	OU1-06-SB-003	16.50	16-18	2	3	2.19	■	
17	20	OU1	17	20060818	OU1-06-SB-021	18.00	16-18	3	15	3.94	■	
OU2A												
1	16	2A	12	20060821	OU2A-06-SB-016	10.75	10-12	0	10	0.63	■	
2	17	2A	12	20060821	OU2A-06-SB-017	10.75	10-12	0	10	0.63		
3	19	2A	12	20060821	OU2A-06-SB-019	11.25	10-12	0	11	0.69	■	
4	9	2A	8	20060820	OU2A-06-SB-009	11.50	10-12	0	14	0.88	■	
5	8	2A	8	20060820	OU2A-06-SB-008	11.75	10-12	0	13	0.81		
6	1	2A	5	20060819	OU2A-06-SB-001	11.75	10-12	0	15	0.94	■	
7	2	2A	5	20060819	OU2A-06-SB-002	12.00	10-12	0	15	0.94		■
8	7	2A	8	20060820	OU2A-06-SB-007	12.00	10-12	0	15	0.94	■	
9	13	2A	11	20060820	OU2A-06-SB-013	12.00	10-12	1	0	1.00		
10	18	2A	12	20060821	OU2A-06-SB-018	12.25	12-14	0	14	0.88		
11	12	2A	11	20060820	OU2A-06-SB-012	12.50	12-14	1	3	1.19	■	
12	15	2A	12	20060821	OU2A-06-SB-015	13.25	12-14	1	4	1.25	■	
13	6	2A	8	20060820	OU2A-06-SB-006	13.50	12-14	1	12	1.75	■	
14	11	2A	11	20060820	OU2A-06-SB-011	14.00	12-14	1	13	1.81	■	
15	22	2A	17	20060821	OU2A-06-SB-022	14.25	14-16	1	10	1.63		
16	20	2A	17	20060821	OU2A-06-SB-020	14.50	14-16	1	10	1.63	■	
17	10	2A	11	20060820	OU2A-06-SB-010	15.00	14-16	1	15	1.94	■	
18	3	2A	8	20060820	OU2A-06-SB-003	15.00	14-16	2	0	2.00		
19	4	2A	8	20060820	OU2A-06-SB-004	15.50	14-16	2	1	2.06	■	
20	21	2A	17	20060821	OU2A-06-SB-021	15.75	14-16	2	1	2.06	■	
21	5	2A	8	20060820	OU2A-06-SB-005	16.00	14-16	2	11	2.69	■	
22	14	2A	12	20060821	OU2A-06-SB-014	18.00	16-18	3	3	3.19	■	

Table C-4
Fish Tissue Analysis and Compositing Plan - Smallmouth Bass

	Sample #	OU	Run #	Collection Date	Fish ID	Length (inches)	Size Class	Sample Weight lbs	Sample Weight oz	Weight (lbs)	Chemistry	Replicate
OU2B												
1	9	OU2B	9	20060823	OU2B-06-SB-009	10.00	10-12	0	9	0.56	■	
2	6	OU2B	6	20060822	OU2B-06-SB-006	10.25	10-12	0	8	0.50	■	
3	7	OU2B	8	20060823	OU2B-06-SB-007	11.00	10-12	0	7	0.44		
4	18	OU2B	17	20060824	OU2B-06-SB-018	12.00	10-12	1	1	1.06	■	
5	1	OU2B	1	20060822	OU2B-06-SB-001	12.50	12-14	1	1	1.06	■	
6	11	OU2B	9	20060823	OU2B-06-SB-011	12.75	12-14	1	5	1.31	■	
7	10	OU2B	9	20060823	OU2B-06-SB-010	13.00	12-14	1	4	1.25	■	
8	2	OU2B	1	20060822	OU2B-06-SB-002	13.00	12-14	1	6	1.38		
9	5	OU2B	2	20060822	OU2B-06-SB-005	13.75	12-14	1	7	1.44	■	
10	12	OU2B	9	20060823	OU2B-06-SB-012	14.00	12-14	1	11	1.69	■	
11	8	OU2B	8	20060823	OU2B-06-SB-008	14.25	14-16	1	5	1.31		
12	3	OU2B	2	20060822	OU2B-06-SB-003	14.50	14-16	1	12	1.75	■	
13	17	OU2B	17	20060824	OU2B-06-SB-017	14.75	14-16	1	13	1.81	■	
14	4	OU2B	2	20060822	OU2B-06-SB-004	15.50	14-16	2	3	2.19	■	
15	14	OU2B	16	20060824	OU2B-06-SB-014	15.75	14-16	2	3	2.19	■	
16	16	OU2B	17	20060824	OU2B-06-SB-016	16.00	14-16	2	8	2.50	■	
17	15	OU2B	17	20060824	OU2B-06-SB-015	17.00	16-18	3	0	3.00	■	
18	13	OU2B	16	20060824	OU2B-06-SB-013	18.50	18-20	3	10	3.63	■	
OU2C												
1	9	OU2C	4	20060825	OU2C-06-SB-009	10.00	8-10	0	8	0.50		
2	14	OU2C	7	20060825	OU2C-06-SB-014	10.25	10-12	0	14	0.88	■	
3	10	OU2C	5	20060825	OU2C-06-SB-010	10.75	10-12	0	10	0.63	■	
4	13	OU2C	7	20060825	OU2C-06-SB-013	10.75	10-12	0	10	0.63		
5	11	OU2C	6	20060825	OU2C-06-SB-011	11.50	10-12	0	11	0.69	■	
6	3	OU2C	3	20060825	OU2C-06-SB-003	11.75	10-12	0	9	0.56		
7	8	OU2C	4	20060825	OU2C-06-SB-008	12.00	10-12	0	14	0.88	■	
8	21	OU2C	15	20060828	OU2C-06-SB-021	12.00	10-12	0	14	0.88		
9	7	OU2C	4	20060825	OU2C-06-SB-007	12.50	12-14	0	15	0.94	■	
10	22	OU2C	16	20060828	OU2C-06-SB-022	12.75	12-14	1	0	1.00	■	
11	18	OU2C	11	20060826	OU2C-06-SB-018	12.75	12-14	1	1	1.06		
12	23	OU2C	16	20060828	OU2C-06-SB-023	13.25	12-14	1	3	1.19		■
13	17	OU2C	10	20060826	OU2C-06-SB-017	13.75	12-14	1	5	1.31		
14	6	OU2C	4	20060825	OU2C-06-SB-006	13.75	12-14	1	7	1.44	■	
15	2	OU2C	3	20060825	OU2C-06-SB-002	14.00	12-14	1	3	1.19	■	
16	15	OU2C	7	20060825	OU2C-06-SB-015	14.50	14-16	1	3	1.19	■	
17	5	OU2C	4	20060825	OU2C-06-SB-005	14.50	14-16	1	6	1.38		
18	19	OU2C	14	20060828	OU2C-06-SB-019	14.75	14-16	1	12	1.75	■	
19	12	OU2C	6	20060825	OU2C-06-SB-012	15.00	14-16	1	9	1.56	■	
20	4	OU2C	4	20060825	OU2C-06-SB-004	15.25	14-16	2	3	2.19	■	
21	16	OU2C	7	20060825	OU2C-06-SB-016	15.50	14-16	2	1	2.06	■	
22	1	OU2C	3	20060825	OU2C-06-SB-001	16.25	16-18	2	1	2.06	■	
23	20	OU2C	14	20060828	OU2C-06-SB-020	16.75	16-18	2	13	2.81	■	
OU3												
1	2	OU3	1	20060829	OU3-06-SB-002	10.25	10-12	0	10	0.63	■	
2	5	OU3	1	20060829	OU3-06-SB-005	10.50	10-12	0	11	0.69	■	
3	3	OU3	1	20060829	OU3-06-SB-003	11.00	10-12	0	11	0.69	■	
4	4	OU3	1	20060829	OU3-06-SB-004	11.75	10-12	0	15	0.94	■	
5	6	OU3	1	20060829	OU3-06-SB-006	11.75	10-12	0	15	0.94	■	
6	14	OU3	9	20060830	OU3-06-SB-014	12.25	12-14	0	6	0.38	■	
7	15	OU3	9	20060830	OU3-06-SB-015	12.25	12-14	0	6	0.38		
8	8	OU3	1	20060829	OU3-06-SB-008	12.75	12-14	1	3	1.19	■	
9	7	OU3	1	20060829	OU3-06-SB-007	12.75	12-14	1	4	1.25	■	
10	1	OU3	1	20060829	OU3-06-SB-001	13.00	12-14	1	6	1.38	■	
11	13	OU3	8	20060829	OU3-06-SB-013	13.25	12-14	0	13	0.81	■	
12	11	OU3	4	20060829	OU3-06-SB-011	13.50	12-14	1	10	1.63	■	
13	16	OU3	9	20060830	OU3-06-SB-016	14.50	14-16	1	1	1.06	■	
14	9	OU3	1	20060829	OU3-06-SB-009	14.50	14-16	1	14	1.88	■	
15	10	OU3	1	20060829	OU3-06-SB-010	14.75	14-16	2	0	2.00	■	
16	12	OU3	6	20060829	OU3-06-SB-012	15.50	14-16	2	3	2.19	■	

Table C-4
Fish Tissue Analysis and Compositing Plan - Smallmouth Bass

	Sample #	OU	Run #	Collection Date	Fish ID	Length (inches)	Size Class	Sample Weight lbs	Sample Weight oz	Weight (lbs)	Chemistry	Replicate
OU4												
1	3	OU4	21	20061030	OU4-06-SB-003	10.75	10-12	0	9	0.56		
2	2	OU4	21	20061030	OU4-06-SB-002	11.00	10-12	0	10	0.63		
3	1	OU4	21	20061030	OU4-06-SB-001	12.25	12-14	0	15	0.94		
4	4	OU4	23	20061031	OU4-06-SB-004	15.50	14-16	2	0	2.00		
1	11	OU4	16	20070619	OU4-07-SB-011	9.40	8-10	0	7	0.44		
2	5	OU4	11	20070614	OU4-07-SB-005	10.50	10-12	0	10	0.63		
3	2	OU4	3	20070613	OU4-07-SB-002	10.75	10-12	0	11	0.69		
4	1	OU4	1	20070613	OU4-07-SB-001	11.00	10-12	0	11	0.69		
5	7	OU4	11	20070614	OU4-07-SB-007	12.00	12-14	0	14	0.88		
6	9	OU4	16	20070619	OU4-07-SB-009	12.10	12-14	0	12	0.75		
7	10	OU4	16	20070619	OU4-07-SB-010	12.20	12-14	0	13	0.81		
8	17	OU4	17	20070627	OU4-07-SB-017	13.00	12-14	1	4	1.25		
9	12	OU4	16	20070619	OU4-07-SB-012	13.10	12-14	1	6	1.40		
10	8	OU4	16	20070619	OU4-07-SB-008	14.00	14-16	1	11	1.70		
11	6	OU4	11	20070614	OU4-07-SB-006	14.50	14-16	1	2	1.11		
12	14	OU4	17	20070627	OU4-07-SB-014	14.60	14-16	1	13	1.81		
13	16	OU4	17	20070627	OU4-07-SB-016	14.90	14-16	2	2	2.13		
14	3	OU4	5	20070613	OU4-07-SB-003	15.00	14-16	1	14	1.90		
15	4	OU4	11	20070614	OU4-07-SB-004	15.50	14-16	2	5	2.30		
16	15	OU4	17	20070627	OU4-07-SB-015	16.20	16-18	2	5	2.31		
17	13	OU4	16	20070619	OU4-07-SB-013	18.70	18-20	3	2	3.12		
OU5A												
1	4	5A	11	20060905	OU5A-06-SB-004	9.75	8-10	0	10	0.63		
2	2	5A	11	20060905	OU5A-06-SB-002	11.25	10-12	0	13	0.81		
3	3	5A	11	20060905	OU5A-06-SB-003	12.25	12-14	1	3	1.19		
4	1	5A	11	20060905	OU5A-06-SB-001	13.25	12-14	1	7	1.44		
1	3	5A	14	20070626	OU5A-07-SB-003	12.10	12-14	1	5	1.31		
2	1	5A	14	20070626	OU5A-07-SB-001	12.20	12-14	1	8	1.50		
3	2	5A	14	20070626	OU5A-07-SB-002	12.30	12-14	2	3	2.19		
4	4	5A	14	20070626	OU5A-07-SB-004	16.10	16-18	2	9	2.56		
OU5B												
1	1	5B	5	20060902	OU5B-06-SB-001	11.25	10-12	0	12	0.75		
2	3	5B	14	20061024	OU5B-06-SB-003	12.00	10-12	0	14	0.88		
3	2	5B	14	20061024	OU5B-06-SB-002	13.50	12-14	1	4	1.25		
1	15	5B	6	20070621	OU5B-07-SB-015	10.50	10-12	0	13	0.80		
2	4	5B	2	20070621	OU5B-07-SB-004	14.80	14-16	1	2	1.11		
3	11	5B	6	20070621	OU5B-07-SB-011	14.90	14-16	1	2	1.10		
4	10	5B	6	20070621	OU5B-07-SB-010	15.10	14-16	1	2	1.10		
5	1	5B	2	20070621	OU5B-07-SB-001	15.50	14-16	1	2	1.15		
6	7	5B	2	20070621	OU5B-07-SB-007	15.80	14-16	2	5	2.30		
7	14	5B	6	20070621	OU5B-07-SB-014	16.70	16-18	2	6	2.40		
8	8	5B	2	20070621	OU5B-07-SB-008	16.80	16-18	2	2	2.11		
9	3	5B	2	20070621	OU5B-07-SB-003	16.90	16-18	2	2	2.11		
10	13	5B	6	20070621	OU5B-07-SB-013	16.90	16-18	3	10	3.60		
11	16	5B	6	20070621	OU5B-07-SB-016	17.00	16-18	2	2	2.12		
12	2	5B	2	20070621	OU5B-07-SB-002	17.00	16-18	2	8	2.50		
13	6	5B	2	20070621	OU5B-07-SB-006	17.20	16-18	2	2	2.10		
14	12	5B	6	20070621	OU5B-07-SB-012	17.50	16-18	2	14	2.90		
15	9	5B	6	20070621	OU5B-07-SB-009	17.70	16-18	2	14	2.90		
16	5	5B	2	20070621	OU5B-07-SB-005	19.50	18-20	4	8	4.50		

Legend:
Samples collected by WDNR in extended season
Samples collected June 2007

Table C-5
Fish Tissue Analysis and Compositing Plan - Gizzard Shad

Sample #	OU	Run #	Collection Date	Fish ID	Size Class	Weight (lbs)	Composite Plan 1	2	3	4	5	Replicate 1	Replicate 2
LAKE WINNEBAGO													
6	LWB	12	20060901	LWB-06-GS-005	2	2-3	■						
7	LWB	20	20060913	LWB-06-GS-006	1	2-3	■						
1	LWB	4	20060828	LWB-06-GS-001	1	3-6							
2	LWB	5	20060828	LWB-06-GS-002	4	3-6		■					
3	LWB	6	20060828	LWB-06-GS-003	13	3-6			■				
4	LWB	9	20060828	LWB-06-GS-004	4	3-6		■					
5	LWB	12	20060901	LWB-06-GS-005	1	3-6							
8	LWB	21	20060913	LWB-06-GS-007	2	3-6							
9	LWB	24	20060930	LWB-06-GS-008	25	3-6				■			
10	LWB	24	20060930	LWB-06-GS-009	25	3-6				■			
11	LWB	24	20060930	LWB-06-GS-010	25	3-6						■	
12	LWB	24	20060930	LWB-06-GS-011	25	3-6						■	
13	LWB	24	20060930	LWB-06-GS-012	25	3-6							
14	LWB	24	20060930	LWB-06-GS-013	25	3-6							
15	LWB	24	20060930	LWB-06-GS-014	25	3-6							
16	LWB	24	20060930	LWB-06-GS-015	25	3-6							
17	LWB	25	20061001	LWB-06-GS-016	25	3-6					■		
OU1													
1	1	1	2006815	OU1-06-GS-001	1	3-6	■						
2	1	8	2006817	OU1-06-GS-002	6	3-6		■					
3	1	14	2006818	OU1-06-GS-007	1	3-6	■						
4	1	26	2006906	OU1-06-GS-008	1	3-6	■						
OU2A													
8	2A	24	20060911	OU2A-06-GS-008	3	2-3	■						
10	2A	27	20060911	OU2A-06-GS-010	18	2-3		■					
4	2A	16	20060821	OU2A-06-GS-004	1	2-3	■						
7	2A	20	20060821	OU2A-06-GS-007	2	2-3	■						
5	2A	17	20060821	OU2A-06-GS-005	3	2-3	■						
2	2A	11	20060820	OU2A-06-GS-002	1	3-6			■				
3	2A	12	20060821	OU2A-06-GS-003	3	3-6			■				
9	2A	27	20060911	OU2A-06-GS-009	1	3-6			■				
1	2A	8	20060820	OU2A-06-GS-001	2	2-3	■						
6	2A	18	20060821	OU2A-06-GS-006	3	2-6	2		1				
OU2B													
1	2B	1	20060822	OU2B-06-GS-001	22	2-3	■						
4	2B	3	20060822	OU2B-06-GS-010	25	2-3		■					
5	2B	3	20060822	OU2B-06-GS-011	25	2-3						■	
7	2B	5	20060822	OU2B-06-GS-013	25	2-3			■				
8	2B	8	20060823	OU2B-06-GS-003	10	2-3							
9	2B	9	20060823	OU2B-06-GS-004	4	2-3							
10	2B	10	20060823	OU2B-06-GS-005	5	2-3							
12	2B	11	20060823	OU2B-06-GS-007	25	2-3				■			
2	2B	1	20060822	OU2B-06-GS-001	1	3-6							
6	2B	3	20060822	OU2B-06-GS-012	27	3-6					■		
11	2B	10	20060823	OU2B-06-GS-006	22	3-6							
13	2B	11	20060823	OU2B-06-GS-008	25	3-6							■
14	2B	11	20060823	OU2B-06-GS-009	2	3-6							
3	2B	2	20060822	OU2B-06-GS-002	3	nd							
OU2C													
1	2C	3	20060825	OU2C-06-GS-001	2	2-3	■						
5	2C	7	20060825	OU2C-06-GS-005	5	2-3	■						
8	2C	14	20060828	OU2C-06-GS-008	25	2-3		■					
9	2C	14	20060828	OU2C-06-GS-009	11	2-3		■					
10	2C	17	20060828	OU2C-06-GS-010	1	2-3							
2	2C	3	20060825	OU2C-06-GS-002	2	3-6			■				
3	2C	4	20060825	OU2C-06-GS-003	5	3-6			■				
4	2C	6	20060825	OU2C-06-GS-004	1	3-6				■			
6	2C	7	20060825	OU2C-06-GS-006	2	3-6				■			
7	2C	14	20060828	OU2C-06-GS-007	14	3-6					■		
11	2C	17	20060828	OU2C-06-GS-011	3	3-6				■			

Table C-5
Fish Tissue Analysis and Compositing Plan - Gizzard Shad

Sample #	OU	Run #	Collection Date	Fish ID	Size Class	Weight (lbs)	Composite Plan 1	2	3	4	5	Replicate 1	Replicate 2
OU3													
1	3	4	2006829	OU3-06-GS-001	1	2-3							
3	3	5	2006829	OU3-06-GS-003	4	2-3							
5	3	7	2006829	OU3-06-GS-005	1	2-3							
7	3	10	2006830	OU3-06-GS-007	10	2-3	■						
9	3	11	2006830	OU3-06-GS-009	22	2-3		■					
11	3	12	2006830	OU3-06-GS-011	13	2-3			■				
13	3	13	2006830	OU3-06-GS-013	8	2-3							
2	3	4	2006829	OU3-06-GS-002	1	3-6							
4	3	5	2006829	OU3-06-GS-004	7	3-6							
6	3	7	2006829	OU3-06-GS-006	10	3-6							
8	3	10	2006830	OU3-06-GS-008	12	3-6				■			
10	3	11	2006830	OU3-06-GS-010	21	3-6					■		
12	3	12	2006830	OU3-06-GS-012	33	3-6						■	
14	3	13	2006830	OU3-06-GS-014	4	3-6							
OU4													
2	4	3	20060904	OU4-06-GS-002	1	2-3							
4	4	8	20060905	OU4-06-GS-004	15	2-3	■						
6	4	9	20060905	OU4-06-GS-006	11	2-3		■					
9	4	14	20060906	OU4-06-GS-009	25	2-3			■				
10	4	14	20060906	OU4-06-GS-010	25	2-3			■				
11	4	14	20060906	OU4-06-GS-011	25	2-3						■	
12	4	14	20060906	OU4-06-GS-012	25	2-3						■	
13	4	14	20060906	OU4-06-GS-013	25	2-3							
14	4	14	20060906	OU4-06-GS-014	25	2-3							
15	4	14	20060906	OU4-06-GS-015	12	2-3							
1	4	1	20060904	OU4-06-GS-001	1	3-6							
3	4	7	20060904	OU4-06-GS-003	3	3-6							
5	4	8	20060905	OU4-06-GS-005	5	3-6				■			
7	4	9	20060905	OU4-06-GS-007	1	3-6							
8	4	11	20060906	OU4-06-GS-008	7	3-6					■		
OU5A													
1	5A	1	20060816	OU5A-06-GS-001	19	2-3	■						
2	5A	2	20060816	OU5A-06-GS-002	29	2-3		■					
3	5A	3	20060816	OU5A-06-GS-003	25	2-3			■				
4	5A	4	20060816	OU5A-06-GS-004	25	2-3				■			
5	5A	4	20060816	OU5A-06-GS-005	25	2-3						■	
6	5A	5	20060816	OU5A-06-GS-006	25	2-3					■		
OU5B													
1	5B	1	20060901	OU5B-06-GS-001	10	3-6	■						
2	5B	5	20060902	OU5B-06-GS-002	25	3-6		■					
3	5B	5	20060902	OU5B-06-GS-003	25	3-6						■	
4	5B	5	20060902	OU5B-06-GS-004	25	3-6							
5	5B	8	20060903	OU5B-06-GS-005	25	3-6			■				
6	5B	8	20060903	OU5B-06-GS-006	25	3-6				■			
7	5B	8	20060903	OU5B-06-GS-007	25	3-6							
8	5B	8	20060903	OU5B-06-GS-008	2	3-6							
9	5B	10	20060903	OU5B-06-GS-009	7	3-6					■		

Legend:
Samples collected by WDNR in extended season

Table C-6
Fish Tissue Analysis and Compositing Plan - Channel Catfish

	Sample #	OU	Run #	Collection Date	Fish ID	Length (inches)	Size Class	Sample Weight lbs	Sample Weight oz	Weight (lbs)	Chemistry	Replicate
LAKE WINNEBAGO												
1	3	LWB	5	20060828	LWB-06-CC-003	12.25	12-14	0	9	0.56		
2	4	LWB	5	20060828	LWB-06-CC-004	12.25	12-14	0	9	0.56		
3	9	LWB	10	20060828	LWB-06-CC-009	12.50	12-14	0	11	0.69		
4	5	LWB	6	20060828	LWB-06-CC-005	13.25	12-14	0	14	0.88		
5	2	LWB	5	20060828	LWB-06-CC-002	13.50	12-14	0	12	0.75		
6	1	LWB	3	20060828	LWB-06-CC-001	14.25	14-16	0	14	0.88		
7	14	LWB	17	20060901	LWB-06-CC-014	15.00	14-16	1	2	1.13		
8	12	LWB	16	20060901	LWB-06-CC-012	15.25	14-15	1	2	1.13		
9	11	LWB	11	20060828	LWB-06-CC-011	15.50	14-16	1	3	1.19		
10	8	LWB	10	20060828	LWB-06-CC-008	16.00	14-16	1	4	1.25		
11	16	LWB	17	20060901	LWB-06-CC-016	16.50	16-18	1	7	1.44		
12	10	LWB	10	20060828	LWB-06-CC-010	17.00	16-18	1	10	1.63		
13	7	LWB	10	20060828	LWB-06-CC-007	17.50	16-18	1	12	1.75		
14	15	LWB	17	20060901	LWB-06-CC-015	17.50	16-18	1	14	1.88		
15	6	LWB	7	20060828	LWB-06-CC-006	18.50	18-20	1	13	1.81		
16	13	LWB	16	20060901	LWB-06-CC-013	21.00	20-22	ND	ND	ND		
OU1- ARCHIVE ONLY												
1	1	OU1	5	2006816	OU1-06-CC-001	14.00	12-14	0	13	0.81		
2	3	OU1	28	2006908	OU1-06-CC-003	16.00	14-16	1	0	1.00		
3	2	OU1	17	2006818	OU1-06-CC-002	17.00	16-18	1	8	1.50		
OU2A- ARCHIVE ONLY												
1	2	2A	9	20060820	OU2A-06-CC-002	13.00	12-14	0	12	0.75		
2	14	2A	18	20060821	OU2A-06-CC-014	14.00	12-14	0	12	0.75		
3	5	2A	11	20060820	OU2A-06-CC-005	16.00	14-16	1	4	1.25		
4	16	2A	21	20060910	OU2A-06-CC-016	16.75	16-18	1	3	1.19		
5	17	2A	22	20060910	OU2A-06-CC-017	16.75	16-18	1	7	1.44		
6	10	2A	12	20060821	OU2A-06-CC-010	18.25	18-20	1	13	1.81		
7	6	2A	11	20060820	OU2A-06-CC-006	18.50	18-20	1	14	1.88		
8	9	2A	12	20060821	OU2A-06-CC-009	18.50	18-20	1	14	1.88		
9	15	2A	20	20060821	OU2A-06-CC-015	18.50	18-20	1	11	1.69		
10	11	2A	17	20060821	OU2A-06-CC-011	19.00	18-20	1	15	1.94		
11	3	2A	9	20060820	OU2A-06-CC-003	21.00	20-22	2	8	2.50		
12	7	2A	12	20060821	OU2A-06-CC-007	21.25	20-22	3	4	3.25		
13	13	2A	17	20060821	OU2A-06-CC-013	21.25	20-22	3	7	3.44		
14	4	2A	11	20060820	OU2A-06-CC-004	21.50	20-22	3	9	3.56		
15	1	2A	8	20060820	OU2A-06-CC-001	22.00	20-22	4	4	4.25		
16	12	2A	17	20060821	OU2A-06-CC-012	22.00	20-22	4	3	4.19		
17	8	2A	12	20060821	OU2A-06-CC-008	23.50	22-24	3	14	3.88		
OU2B- ARCHIVE ONLY												
1	10	OU2B	1	20060822	OU2B-06-CC-010	14.00	12-14	0	13	0.81		
2	1	OU2B	1	20060822	OU2B-06-CC-001	15.00	14-16	1	2	1.13		
3	13	OU2B	1	20060822	OU2B-06-CC-013	15.50	14-16	1	5	1.31		
4	6	OU2B	1	20060822	OU2B-06-CC-006	17.00	16-18	1	7	1.44		
5	8	OU2B	1	20060822	OU2B-06-CC-008	17.00	16-18	1	6	1.38		
6	9	OU2B	1	20060822	OU2B-06-CC-009	17.00	16-18	1	7	1.44		
7	11	OU2B	1	20060822	OU2B-06-CC-011	17.00	16-18	1	6	1.38		
8	14	OU2B	1	20060822	OU2B-06-CC-014	17.00	16-18	1	8	1.50		
9	15	OU2B	1	20060822	OU2B-06-CC-015	17.00	16-18	1	7	1.44		
10	7	OU2B	1	20060822	OU2B-06-CC-007	17.50	16-18	1	8	1.50		
11	5	OU2B	1	20060822	OU2B-06-CC-005	18.00	16-18	1	12	1.75		
12	3	OU2B	1	20060822	OU2B-06-CC-003	19.00	18-20	1	15	1.94		
13	12	OU2B	1	20060822	OU2B-06-CC-012	19.00	18-20	2	1	2.06		
14	4	OU2B	1	20060822	OU2B-06-CC-004	19.50	18-20	2	9	2.56		
15	16	OU2B	1	20060822	OU2B-06-CC-016	19.50	18-20	2	6	2.38		
16	2	OU2B	1	20060822	OU2B-06-CC-002	22.00	20-22	3	9	3.56		

Table C-6
Fish Tissue Analysis and Compositing Plan - Channel Catfish

	Sample #	OU	Run #	Collection Date	Fish ID	Length (inches)	Size Class	Sample Weight lbs	Sample Weight oz	Weight (lbs)	Chemistry	Replicate
OU2C- ARCHIVE ONLY												
1	15	OU2C	7	20060825	OU2C-06-CC-015	11.50	10-12	0	8	0.50		
2	17	OU2C	7	20060825	OU2C-06-CC-017	11.50	10-12	0	7	0.44		
3	16	OU2C	7	20060825	OU2C-06-CC-016	12.50	12-14	0	9	0.56		
4	22	OU2C	11	20060826	OU2C-06-CC-022	13.00	12-14	0	8	0.50		
5	18	OU2C	7	20060825	OU2C-06-CC-018	13.75	12-14	0	12	0.75		
6	8	OU2C	3	20060825	OU2C-06-CC-008	14.00	12-14	0	5	0.31		
7	6	OU2C	3	20060825	OU2C-06-CC-006	14.50	14-16	0	11	0.69		
8	9	OU2C	4	20060825	OU2C-06-CC-009	14.50	14-16	0	14	0.88		
9	14	OU2C	7	20060825	OU2C-06-CC-014	14.50	14-16	0	14	0.88		
10	19	OU2C	7	20060825	OU2C-06-CC-019	14.50	14-16	1	0	1.00		
11	7	OU2C	3	20060825	OU2C-06-CC-007	15.00	14-16	0	11	0.69		
12	21	OU2C	11	20060826	OU2C-06-CC-021	15.00	14-16	0	13	0.81		
13	3	OU2C	3	20060825	OU2C-06-CC-003	15.75	14-16	0	15	0.94		
14	5	OU2C	3	20060825	OU2C-06-CC-005	16.00	14-16	0	13	0.81		
15	13	OU2C	6	20060825	OU2C-06-CC-013	16.00	14-16	1	4	1.25		
16	20	OU2C	7	20060825	OU2C-06-CC-020	16.00	14-16	1	4	1.25		
17	23	OU2C	11	20060826	OU2C-06-CC-023	16.25	16-18	1	3	1.19		
18	4	OU2C	3	20060825	OU2C-06-CC-004	16.50	16-18	1	1	1.06		
19	12	OU2C	4	20060825	OU2C-06-CC-012	17.50	18-18	1	8	1.50		
20	1	OU2C	3	20060825	OU2C-06-CC-001	18.75	18-20	1	10	1.63		
21	2	OU2C	3	20060825	OU2C-06-CC-002	19.00	18-20	1	14	1.88		
22	10	OU2C	4	20060825	OU2C-06-CC-010	19.50	18-20	2	7	2.44		
23	11	OU2C	4	20060825	OU2C-06-CC-011	19.75	18-20	2	8	2.50		
OU3- ARCHIVE ONLY												
1	6	OU3	1	2006829	OU3-06-CC-006	12.25	12-14	0	9	0.56		
2	8	OU3	4	2006829	OU3-06-CC-008	16.50	16-18	1	11	1.69		
3	4	OU3	1	2006829	OU3-06-CC-004	17.00	16-18	1	10	1.63		
4	9	OU3	4	2006829	OU3-06-CC-009	17.75	16-18	2	2	2.13		
5	7	OU3	4	2006829	OU3-06-CC-007	18.25	18-20	2	1	2.06		
6	15	OU3	9	2006830	OU3-06-CC-015	18.25	18-20	1	14	1.88		
7	5	OU3	1	2006829	OU3-06-CC-005	18.75	18-20	2	0	2.00		
8	14	OU3	9	2006830	OU3-06-CC-014	19.25	18-20	2	8	2.50		
9	13	OU3	8	2006829	OU3-06-CC-013	19.50	18-20	2	5	2.31		
10	11	OU3	6	2006829	OU3-06-CC-011	19.75	18-20	2	11	2.69		
11	3	OU3	1	2006829	OU3-06-CC-003	20.50	20-22	2	12	2.75		
12	2	OU3	1	2006829	OU3-06-CC-002	21.00	20-22	3	7	3.44		
13	1	OU3	1	2006829	OU3-06-CC-001	21.50	20-22	3	5	3.31		
14	12	OU3	6	2006829	OU3-06-CC-012	21.75	20-22	3	7	3.44		
15	10	OU3	6	2006829	OU3-06-CC-010	22.00	20-22	4	5	4.31		
OU4 - ARCHIVE ONLY												
1	1	OU4	9	20060905	OU4-06-CC-001	16.25	16-18	1	6	1.38		
2	5	OU4	20	20060911	OU4-06-CC-005	19.75	18-20	2	10	2.63		
3	4	OU4	19	20060911	OU4-06-CC-004	21.25	20-22	3	9	3.56		
4	2	OU4	16	20060906	OU4-06-CC-002	22.00	20-22	3	11	3.69		
5	3	OU4	16	20060906	OU4-06-CC-003	22.75	22-24	4	1	4.06		
1	14	OU4	2	20070613	OU4-07-CC-015	15.00	14-16			1.11		
2	17	OU4	2	20070613	OU4-07-CC-017	15.25	14-16			1.10		
3	12	OU4	2	20070613	OU4-07-CC-012	15.50	14-16			1.10		
4	3	OU4	1	20070613	OU4-07-CC-003	16.00	16-18			1.30		
5	15	OU4	2	20070613	OU4-07-CC-014	16.00	16-18			1.80		
6	6	OU4	1	20070613	OU4-07-CC-006	16.50	16-18			1.13		
7	5	OU4	1	20070613	OU4-07-CC-005	17.00	16-18			1.14		
8	10	OU4	2	20070613	OU4-07-CC-010	17.00	16-18			2.40		
9	18	OU4	2	20070613	OU4-07-CC-018	18.00	18-20			2.13		
10	9	OU4	2	20070613	OU4-07-CC-009	18.00	18-20			2.15		
11	7	OU4	1	20070613	OU4-07-CC-007	18.25	18-20			2.13		
12	8	OU4	1	20070613	OU4-07-CC-008	19.50	18-20			2.10		
13	4	OU4	1	20070613	OU4-07-CC-004	19.75	18-20			2.50		
14	16	OU4	2	20070613	OU4-07-CC-016	20.50	20-22			4.10		
15	11	OU4	2	20070613	OU4-07-CC-011	21.00	20-22			4.60		
16	13	OU4	2	20070613	OU4-07-CC-013	21.00	20-22			4.80		
17	1	OU4	1	20070613	OU4-07-CC-001	21.50	20-22			3.11		
18	2	OU4	1	20070613	OU4-07-CC-002	23.50	22-24			6.10		
OU5A - ARCHIVE ONLY												
1	1	5A	5	20060816	OU5A-06-CC-001	16.50	16-18	1	11	1.69		
2	2	5A	17	20060912	OU5A-06-CC-002	20.75	20-22	3	9	3.56		
1	3	5A	10	20070626	OU5A-06-CC-003	12.10		0	15	0.94		
2	2	5A	10	20070626	OU5A-06-CC-002	13.10		1	1	1.06		
3	8	5A	10	20070626	OU5A-06-CC-008	13.60		0	8	0.50		
4	5	5A	10	20070626	OU5A-06-CC-005	14.20		2	0	2.00		
5	6	5A	10	20070626	OU5A-06-CC-006	14.70		0	8	0.50		
6	7	5A	10	20070626	OU5A-06-CC-007	15.10		3	2	3.13		
7	4	5A	10	20070626	OU5A-06-CC-004	17.90		3	8	3.50		
8	1	5A	10	20070626	OU5A-07-CC-001	21.90		4	9	4.56		

Table C-6
Fish Tissue Analysis and Compositing Plan - Channel Catfish

Sample #	OU	Run #	Collection Date	Fish ID	Length (inches)	Size Class	Sample Weight		Weight (lbs)	Chemistry	Replicate
							lbs	oz			
OU5B - ARCHIVE ONLY											
NONE											

Legend:
Samples with anomalous length:weight ratio
Samples collected June 2007

APPENDIX D

WATER QUALITY FIELD PARAMETERS

Table D-1
Lake Winnebago (LWB) – Water Quality Field Parameters

WEST

Water Depth (feet)	August 2006 Turbid NTU	DO mg/l	Temp °C	September 2006 Turbid NTU	DO MG/l	Temp °C	October 2006 Turbid NTU	DO MG/l	Temp °C	November 2006 Turbid NTU	DO MG/l	Temp °C	December 2006 Turbid NTU	DO MG/l	Temp °C
1	38	7.5	23.9	60	8.2	17.7	19	9.4	15.0	40	12.4	5.3	Data not available due to weather conditions.		
2	38	7.4	23.1	68	8.3	17.7	20	9.4	15.0	25	12.3	5.4			
3	31	7.4	23.0	56	8.3	17.7	20	9.4	15.0	24	12.3	5.4			
4	4	7.2	23.0	60	8.5	17.7	19	9.4	15.0	24	12.3	5.4			
5	37	7.2	22.8	50	8.2	17.7	19	9.4	15.0	29	12.3	5.4			
6	37	7.2	22.8	50	8.2	17.7	20	9.4	15.0	25	12.3	5.4			
7	30	7.0	22.7	50	8.2	17.7	20	9.4	15.0	25	12.3	5.4			
8	31	7.1	22.3	40	8.2	17.7	21	9.3	15.0	24	12.3	5.4			
9	31	7.0	22.3	40	8.2	17.7	22	9.3	15.0	24	12.3	5.4			
10	34	5.5	22.3	40	8.2	17.7	22	9.3	15.0	24	12.3	5.4			
11	37	1.9	22.1	40	8.2	17.7	21	9.3	15.0	25	12.3	5.4			
12	193	0.4	21.6	48	8.2	17.7	21	9.3	15.0	24	12.3	5.4			
				140	8.2	17.7									
				208	8.2	17.7									

Water Depth (feet)	January 2007 Turbid NTU	DO MG/l	Temp °C	February 2007 Turbid NTU	DO MG/l	Temp °C	March 2007 Turbid NTU	DO MG/l	Temp °C	April 2007 Turbid NTU	DO MG/l	Temp °C	May 2007 Turbid NTU	DO MG/l	Temp °C	June 2007 Turbid NTU	DO MG/l	Temp °C	July 2007 Turbid NTU	DO MG/l	Temp °C
1	36	13.6	0.5	0	17.6	0.3	0	18.3	0.7	32	12.1	5.6	3	12.5	13.0	0	5.5	20.8	28	9.3	23.0
2	35	13.8	0.5	0	17.5	0.6	0	18.3	0.7	31	12.0	5.5	3	12.4	12.8	0	5.6	20.6	22	9.4	23.0
3	35	13.9	0.5	0	17.3	0.7	0	18.4	1.1	31	12.2	5.5	3	12.3	13.2	0	5.5	20.6	20	9.3	23.0
4	34	13.9	0.5	0	17.1	0.8	0	17.9	1.8	30	12.1	5.6	3	12.3	13.1	0	5.8	20.3	25	9.3	22.9
5	34	13.8	0.5	0	16.9	0.8	0	17.7	1.9	30	12.1	5.5	4	12.4	13.1	1	5.6	20.6	23	9.3	22.9
6	35	14.5	0.5	0	16.6	0.9	0	17.7	1.9	33	12.1	5.5	4	12.6	12.9	2	6.2	20.3	20	9.3	22.9
7	45	13.9	0.5	0	14.8	1.0	0	17.7	2.0	32	12.0	5.5	5	12.6	12.0	3	6.2	20.3	22	9.2	22.9
8	37	13.9	0.5	247	16.5	0.9	0	17.6	2.1	32	11.9	5.5	5	12.6	11.9	4	6.2	20.3	29	9.1	22.8
9	34	13.9	0.5	239	16.2	1.1	0	17.1	2.1	32	12.0	5.5	5	12.5	11.9	8	6.4	20.2	20	9.1	22.8
10	44	14.0	0.5	220	12.6	1.8	0	16.6	2.4	33	12.0	5.5	6	12.4	11.9	9	6.4	20.2	19	9.0	22.8
11	44	14.0	0.5	203	9.2	2.3	1	13.6	2.5	31	12.0	5.5	6	12.1	11.9	10	6.3	20.2	16	9.0	22.8
12	89	13.9	0.5	251	6.5	2.5	1	12.8	2.8	51	12.1	5.5	6	11.9	11.8						

MIDDLE

Water Depth (feet)	August 2006 Turbid NTU	DO mg/l	Temp °C	September 2006 Turbid NTU	DO MG/l	Temp °C	October 2006 Turbid NTU	DO MG/l	Temp °C	November 2006 Turbid NTU	DO MG/l	Temp °C	December 2006 Turbid NTU	DO MG/l	Temp °C
1	10	8.3	23.2	69	9.1	18.4	21	9.5	15.0	23	12.4	5.3	Data not available due to weather conditions.		
2	11	8.2	23.2	60	8.5	18.5	20	9.5	15.0	24	12.3	5.3			
3	12	8.2	23.1	57	8.5	18.5	21	8.6	15.0	24	12.4	5.3			
4	13	8.2	23.1	55	8.5	18.5	21	9.4	15.0	24	12.4	5.3			
5	13	8.3	23.1	50	8.4	18.5	21	9.5	15.0	24	12.4	5.3			
6	13	8.3	23.1	58	8.4	18.5	16	9.4	15.0	24	12.3	5.3			
7	13	8.3	23.1	60	8.4	18.5	22	9.4	15.0	24	12.3	5.3			
8	12	8.2	23.1	61	8.4	18.5	20	9.4	15.0	24	12.3	5.3			
9	13	8.0	23.1	65	8.4	18.5	23	9.4	15.0	24	12.3	5.3			
10	13	7.9	23.0	67	8.4	18.5	23	9.4	15.0	24	12.3	5.3			
11	13	7.9	23.1	111	8.4	18.5	20	9.3	15.0	24	12.3	5.3			
12	13	7.8	22.8	212	8.4	18.5	19	9.3	15.0	23	12.3	5.3			
13	13	7.8	22.7	289	8.3	18.5	23	9.3	15.0	24	12.3	5.3			
14	333	7.8	21.6	333	8.3	18.4	24	9.2	15.0						

Water Depth (feet)	January 2007 Turbid NTU	DO MG/l	Temp °C	February 2007 Turbid NTU	DO MG/l	Temp °C	March 2007 Turbid NTU	DO MG/l	Temp °C	April 2007 Turbid NTU	DO MG/l	Temp °C	May 2007 Turbid NTU	DO MG/l	Temp °C	June 2007 Turbid NTU	DO MG/l	Temp °C	July 2007 Turbid NTU	DO MG/l	Temp °C
1	40	13.8	0.6	0	17.2	0.1	0	19.7	0.2	17	12.8	4.4	0	12.9	13.7	0	7.4	21.4	19	10.1	22.9
2	40	13.8	0.5	0	17.3	0.1	0	19.7	0.2	17	12.8	4.4	0	13.0	13.6	0	7.4	21.2	14	10.0	22.9
3	54	13.8	0.5	0	17.6	0.5	0	18.9	1.3	17	12.8	4.3	0	13.0	13.3	0	7.4	21.1	16	10.0	22.9
4	48	13.8	0.5	0	17.4	0.6	0	18.2	1.6	17	12.7	4.4	1	13.1	13.0	0	7.4	21.1	22	10.0	22.9
5	42	13.8	0.5	0	17.4	0.6	0	18.1	1.7	17	12.8	4.4	1	12.8	12.6	0	7.4	20.9	20	10.0	22.9
6	42	13.8	0.5	0	17.4	0.6	0	18.1	1.8	17	12.7	4.4	1	13.0	12.4	0	7.2	20.9	17	10.1	22.9
7	44	13.8	0.5	0	17.4	0.6	0	18.0	1.8	18	12.7	4.4	1	12.8	12.5	0	7.1	20.9	18	10.1	22.9
8	39	13.8	0.5	0	17.4	0.6	0	17.8	1.9	18	12.5	4.4	1	12.9	12.1	0	7.1	20.8	20	10.0	22.8
9	45	13.8	0.5	0	17.4	0.6	0	17.6	2.0	18	12.7	4.4	1	12.8	12.0	0	7.0	20.7	20	9.8	22.8
10	42	13.8	0.5	0	17.4	0.8	0	17.4	2.0	18	12.7	4.4	2	12.8	12.0	1	6.8	20.6	16	9.6	22.8
11	36	13.8	0.5	0	17.2	1.0	0	17.3	2.1	19	12.7	4.5	2	12.8	11.9	10	5.7	20.5	19	9.5	22.8
12	40	13.8	0.5	0	17.0	1.0	0	16.7	2.3	21	12.6	4.5	2	12.8	11.8	11	5.3	20.4	19	9.3	22.8
13	59	13.8	0.5	0	16.0	1.7	0	14.0	2.6	21	12.6	4.5	3	12.4	11.7	12	5.2	20.4			
14							0	14.0	2.6												

EAST

Water Depth (feet)	August 2006 Turbid NTU	DO mg/l	Temp °C	September 2006 Turbid NTU	DO MG/l	Temp °C	October 2006 Turbid NTU	DO MG/l	Temp °C	November 2006 Turbid NTU	DO MG/l	Temp °C	December 2006 Turbid NTU	DO MG/l	Temp °C
1	22	8.7	23.3	Data not available due to high seas. No sample collected.			24	9.8	15.5	12	12.1	5.3	Data not available due to weather conditions.		
2	24	9.0	23.3				17	9.8	15.5	13	12.1	5.3			
3	23	8.9	23.3				18	9.8	15.5	13	12.1	5.3			
4	23	8.9	23.3				18	9.7	15.4	13	12.0	5.3			
5	22	8.9	23.3				17	9.7	15.4	13	12.0	5.3			
6	21	8.8	23.2				19	9.7	15.4	13	12.0	5.3			
7	20	8.5	23.1				18	9.7	15.3	13	12.0	5.3			
8	20	8.3	23.1				15	9.6	15.3	13	12.0	5.3			
9	20	8.1	23.0				19	9.5	15.3	13	12.0	5.3			
10	21	7.7	23.0				20	9.5	15.3	13	12.0	5.3			
11	21	7.5	23.0				16	9.5	15.3	13	12.0	5.3			
12	20	7.2	23.0				17	9.4	15.3	13	11.9	5.3			
13	273	1.1	23.0				18	9.4	15.2	13	11.9	5.3			
14							26	8.9	15.1						

Water Depth (feet)	January 2007 Turbid NTU	DO MG/l	Temp °C	February 2007 Turbid NTU	DO MG/l	Temp °C	March 2007 Turbid NTU	DO MG/l	Temp °C	April 2007 Turbid NTU	DO MG/l	Temp °C	May 2007 Turbid NTU	DO MG/l	Temp °C	June 2007 Turbid NTU	DO MG/l	Temp °C	July 2007 Turbid NTU	DO MG/l	Temp °C
1	43	13.8	0.6	0	17.7	0.1	0	19.3	0.2	18	12.2	5.2	2	13.1	13.8	0	13.0	23.1	26	9.6	23.0
2	43	13.7	0.6	0	17.7	0.1	1	19.0	0.5	19	12.1	5.2	2	13.1	13.9	0	13.0	23.0	19	9.7	23.0
3	46	13.7	0.6	0	17.8	0.5	0	18.9	0.8	19	12.1	5.2	3	13.1	13.7	0	11.2	22.1	22	9.7	23.0
4	43	13.7	0.6	0	18.0	0.6	0	18.8	1.0	19	12.0	5.2	4	13.3	13.2	0	10.9	22.0	18	9.8	23.0
5	41	13.7	0.5	0	17.9	0.6	0	18.6	1.3	19	12.0	5.2	5	13.4	12.7	0	9.3	21.9	22	9.7	23.0
6	54	13.7	0.6	0	17.9	0.7	0	18.6	1.6	18	11.9	5.2	5	13.4	12.5	0	8.8	21.9	27	9.6	22.9
7	42	13.7	0.6	0	18.0	0.7	0	18.5	1.7	18	11.9	5.2	5	13.3	12.5	0	8.3	21.7	19	10.0	22.9
8	42	13.7	0.6	0	17.9	0.7	0	18.7	1.7	18	12.0	5.2	5	13.1	12.3	0	7.2	21.6	19	9.9	22.9
9	41	13.7	0.6	0	18.0	0.7	0	18.8	1.8	18	12.0	5.2	6	12.8	12.3	0	7.0	21.6	16	9.9	22.9
10	40	13.7	0.6	0	18.0	0.7	0	18.9	1.8	19	11.9	5.2	8	11.9	12.2	0	6.2	21.5	22	9.5	22.9
11	57	13.7	0.6	0	18.0	0.9	0	18.6	1.9	18	11.9	5.2	8	11.8	12.2	4	5.9	21.3	19	9.3	22.8
12	134	13.7	0.6	0	17.6	1.2	0	17.7	2.1				8	11.5	12.1	13	6.0	21.3	24	9.2	22.8
13	167	13.7	0.6	0	16.5	1.4							9	11.4	12.1	15	6.0	21.1			

AVERAGE

August 2006 Turbid NTU	DO mg/l	Temp °C	September 2006 Turbid NTU	DO MG/l	Temp °C	October 2006 Turbid NTU	DO MG/l	Temp °C	November 2006 Turbid NTU	DO MG/l	Temp °C	December 2006 Turbid NTU	DO MG/l	Temp °C
23	7.6	23.0	59	8.3	18.1	19	9.3	15.1	20	12.2	5.3			

January 2007 Turbid NTU	DO MG/l	Temp °C	February 2007 Turbid NTU	DO MG/l	Temp °C	March 2007 Turbid NTU	DO MG/l	Temp °C	April 2007 Turbid NTU	DO MG/l	Temp °C	May 2007 Turbid NTU	DO MG/l	Temp °C	June 2007 Turbid NTU	DO MG/l	Temp °C	July 2007 Turbid NTU	DO MG/l	Temp °C
58	13.8	0.5	35	16.5	0.9	0	17.9	1.6	23	12.3	5.0	4	12.5	12.6	6	7.0	21.0	19	9.5	22.9

Notes:

YELLOW CELLS = depths from which water samples were collected for chemical analysis; if two adjacent water depths are highlighted, samples were collected between the two depths.

Table D-2
OU1 – Water Quality Field Parameters

Water	August 2006			September 2006			October 2006			November 2006			December 2006			January 2007			February 2007			March 2007			April 2007			May 2007			June 2007			July 2007		
Depth (feet)	Turbid NTU	DO mg/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C
WEST																																				
1	28	10.7	24.9	42	8.7	16.4	19	9.5	16.3	8	11.8	4.3	4	14.8	0.6	7	13.7	0.3	0	10.9	-0.2	4	15.6	3.1	19	11.9	6.1	5	9.5	13.7	9	6.9	21.9	69	12.0	22.4
2	44	11.3	24.9	46	8.7	16.4	22	9.4	16.4	8	11.8	4.3	3	14.8	0.6	7	13.8	0.3	0	11.0	-0.2	4	15.6	3.1	19	11.9	6.1	5	9.6	13.8	9	6.9	21.9	92	11.9	22.4
3	827	9.7	23.8	43	8.6	16.4	21	9.4	16.4	9	11.7	4.3	4	14.8	0.7	8	13.8	0.3	0	10.9	-0.2	4	15.6	3.1	19	11.9	6.2	4	9.5	13.7	9	6.9	21.9	109	11.9	22.5
4				48	8.7	16.4	21	9.4	16.4	8	11.7	4.3	4	14.8	0.6	8	13.9	0.2	0	11.0	-0.2	4	15.5	3.1	19	12.0	6.0	5	9.6	13.7	9	6.8	21.9	105	11.7	22.4
5				44	8.6	16.4	22	9.3	16.4	9	11.8	4.3	4	14.9	0.7	8	13.9	0.2	0	11.0	-0.1	4	15.5	3.1	19	12.0	6.0	5	9.6	13.7	9	6.8	21.9	111	11.5	22.3
6				43	8.5	16.3	20	9.3	16.4	9	11.7	4.3	4	14.6	0.7	9	13.8	0.2	0	11.1	0.0	5	15.6	3.1	19	12.1	6.1	5	9.6	13.7	10	6.7	21.9	106	11.1	22.3
7				43	8.4	16.3	13	9.3	16.4	9	11.7	4.3	4	15.0	0.7	8	13.8	0.2	0	11.0	0.1	4	15.6	3.1	18	12.0	5.9	4	9.6	13.7	10	6.4	21.9	96	10.9	22.3
8				43	8.4	16.4	21	9.3	16.4	8	11.8	4.3	4	14.8	0.8	8	13.8	0.2	0	11.1	0.1	5	15.6	3.1	18	12.1	6.0	4	9.7	13.7						
9				46	8.4	16.4				9	11.7	4.3	4	14.7	0.8	8	13.8	0.2	0	11.1	0.1	5	15.5	3.1	19	12.1	6.0									
													4	14.7	0.8	8	13.8	0.2				5	15.5	3.1	19	12.0	6.0									
																									19	12.0	6.0									
MIDDLE																																				
1	24	12.9	24.3	41	8.9	16.3	20	9.8	16.3	10	12.0	4.1	3	14.8	0.7	19	13.9	0.1	0	11.5	0.2	2	17.3	2.9	13	12.2	5.7	4	9.8	13.7	7	6.6	21.9	93	12.3	22.5
2	26	13.0	24.3	50	8.8	16.3	20	9.6	16.3	10	12.0	4.2	3	14.7	0.8	11	13.9	0.1	0	11.6	0.2	2	17.3	2.9	14	12.2	5.7	5	9.8	13.7	7	6.5	21.9	106	12.3	22.4
3	25	12.9	24.3	58	8.8	16.3	21	9.6	16.3	11	12.0	4.2	3	14.8	0.7	11	13.9	0.1	0	11.5	0.2	2	17.3	2.9	14	12.2	5.7	5	9.9	13.8	6	6.5	21.9	104	11.8	22.4
4	24	12.8	24.3	50	8.8	16.3	21	9.5	16.3	11	12.0	4.2	3	14.8	0.8	11	13.9	0.1	0	11.4	0.2	1	17.3	2.9	14	12.2	5.7	5	9.9	13.7	7	6.5	21.9	100	11.5	22.4
5	25	12.5	24.3	47	8.8	16.3	19	9.5	16.3	11	11.9	4.2	3	14.9	0.8	10	13.9	0.1	0	11.5	0.3	2	17.4	2.9	15	12.2	5.7	6	9.8	13.7	7	6.5	21.9	108	11.2	22.4
6	23	10.3	23.4	45	8.8	16.3	19	9.5	16.3	10	11.9	4.2	3	14.7	0.8	11	13.9	0.1	0	11.5	0.3	2	17.4	2.9	15	12.2	5.7	6	9.8	13.7	7	6.5	21.9	121	11.2	22.4
7	21	9.8	23.3	44	8.7	16.3	22	9.5	16.3	13	11.9	4.2	3	14.8	0.8	10	13.9	0.1	0	11.5	0.3	1	17.3	2.9	14	12.3	5.7	7	9.8	13.7	7	6.5	21.9	110	11.0	22.4
8	20	9.5	23.4	47	8.7	16.3	18	9.5	16.2	13	11.9	4.2	3	14.7	0.8	11	13.9	0.1	0	11.4	0.4	2	17.2	2.9	14	12.2	5.7	7	9.8	13.7	8	6.4	21.8	108	11.0	22.3
9	19	9.3	23.3	47	8.7	16.3	24	9.5	16.3	12	11.9	4.2	3	14.7	0.8	11	13.9	0.1	0	11.4	0.5	2	17.2	2.9	15	12.2	5.7	7	9.8	13.7	8	6.3	21.7	102	10.8	22.3
10	20	9.3	23.3	45	8.7	16.3	18	9.4	16.3	11	11.9	4.2	3	14.7	0.9	11	13.9	0.1	0	11.5	0.5	2	17.3	2.9	16	12.1	5.7	8	9.7	13.7	14	5.8	21.6	114	10.7	22.3
11	20	9.1	23.2	54	8.7	16.3	19	9.4	16.3	10	11.9	4.2	4	14.7	0.9	11	13.9	0.1	0	11.4	0.5	2	17.4	2.9	17	12.1	5.7	8	9.7	13.7	14	5.2	21.5	108	10.6	22.3
12	21	8.9	23.2	50	8.7	16.3	20	9.4	16.3	10	11.9	4.2	4	14.6	0.9	11	13.8	0.1	0	11.4	0.5	1	17.4	2.9	17	12.1	5.7	8	9.7	13.7	13	5.0	21.4	109	10.6	22.3
13	23	8.6	23.2	47	8.6	16.3	20	9.4	16.3	10	11.9	4.2	4	14.6	0.9	11	13.8	0.1	0	11.4	0.5	1	17.4	2.9	17	12.1	5.7	9	9.7	13.7	14	4.8	21.4	119	10.5	22.3
14	24	8.5	23.2	58	8.6	16.3	19	9.4	16.3	10	11.9	4.2	3	14.7	0.9	11	13.8	0.1	0	11.4	0.5	2	17.5	2.9	15	12.2	5.7	10	9.8	13.7	17	4.4	21.0			
15	24	8.4	23.2				21	9.4	16.3	10	11.9	4.2	4	14.6	0.9	11	13.8	0.1	0	11.4	0.5	2	17.4	2.9	17	12.2	5.7									
16							20	9.4	16.3	10	11.9	4.2				11	13.8	0.1	0	11.4	0.5				19	12.1	5.7									
																12	13.8	0.1							19	12.1	5.8									
																									19	12.1	5.8									
EAST																																				
1	30	13.7	24.7	40	9.3	16.4	18	9.6	16.2	9	12.0	3.9	3	14.6	0.7	10	13.8	0.1	0	12.9	0.0	3	17.8	3.4	18	12.2	5.8	2	9.6	13.8	3	6.0	21.8	120	12.7	22.8
2	27	13.7	24.7	56	8.9	16.4	18	9.6	16.2	9	12.0	4.0	3	14.5	0.7	10	13.9	0.1	0	12.7	0.1	3	17.8	3.4	15	12.2	5.8	3	9.6	13.8	3	6.0	21.9	112	12.8	22.8
3	27	13.8	24.7	59	8.8	16.4	18	9.6	16.2	8	12.0	4.0	3	14.6	0.7	10	13.9	0.1	0	12.6	0.1	3	17.9	3.4	14	12.2	5.8	3	9.6	13.8	3	5.9	21.9	108	12.8	22.8
4	28	13.8	24.7	61	8.8	16.3	11	9.6	16.2	8	12.0	4.0	3	14.5	0.8	10	13.9	0.1	0	12.5	0.1	3	17.8	3.4	14	12.2	5.8	2	9.6	13.8	3	5.9	21.9	108	12.2	22.6
5	28	13.5	24.6	57	8.8	16.3	15	9.5	16.2	8	12.0	3.9	3	14.5	0.8	10	13.9	0.1	0	12.3	0.1	3	17.9	3.3	14	12.2	5.8	2	9.5	13.8	4	5.9	21.9	100	12.0	22.6
6	28	10.0	23.3	51	8.7	16.4	17	9.5	16.2	8	12.0	4.0	4	14.6	0.9	10	13.8	0.1	0	12.2	0.1	3	17.9	3.3	14	12.2	5.8	2	9.5	13.8	3	5.7	21.9	95	11.6	22.4
7	28	9.2	23.3	55	8.7	16.4	18	9.5	16.2	8	12.0	3.9	5	14.6	0.9	10	13.8	0.1	0	12.1	0.1	3	17.9	3.3	13	12.2	5.8							95	10.9	22.2
8	28	8.7	23.3	51	8.7	16.4	19	9.5	16.2				5	14.5	0.9	10	13.8	0.1	0	12.0	0.1	3	17.9	3.3	14	12.2	5.8									
9				50	8.7	16.4	24	9.5	16.2				5	14.6	0.9										14	12.2	5.8									
													4	14.5	0.9										14	12.1	5.8									
													6	14.5	0.9																					

AVERAGE

August 2006			September 2006			October 2006			November 2006			December 2006			January 2007			February 2007			March 2007			April 2007			May 2007			June 2007			July 2007		
Turbid NTU	DO mg/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C
94	10.9	24.1	51	8.7	16.3	20	9.5	16.3	9	11.9	4.1	5	14.7	0.7	9	13.8	0.2	0	11.6	0.1	3	16.9	3.1	16	12.1	5.9	4	9.6	13.7	7	6.1	21.8	101	11.5	22.4

Notes:

OU1 West sample location coordinates changed after August 2006 sampling event.

YELLOW CELLS = depths from which water samples were collected for chemical analysis; if two adjacent water depths are highlighted, samples were collected between the two depths.

Table D-3
OU2A – Water Quality Field Parameters

Water	August 2006			September 2006			October 2006			November 2006			December 2006			January 2007			February 2007			March 2007			April 2007			May 2007			June 2007			July 2007		
Depth (feet)	Turbid NTU	DO mg/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C
WEST																																				
1	96	10.0	24.3	54	9.0	17.5	24	9.8	16.6	7	11.8	4.6	7	11.8	4.6	19	13.9	0.6	0	11.0	0.0	3	16.6	3.8	20	12.3	6.1	12	9.5	13.5	11	5.9	21.8	84	11.7	23.6
2	55	9.6	24.4	61	9.0	17.5	22	9.8	16.5	7	11.8	4.6	7	11.8	4.6	19	13.9	0.7	0	11.0	0.0	3	16.7	3.7	20	12.3	6.1	11	9.5	13.5	11	5.8	21.9	105	11.6	23.7
3	50	9.9	24.4	59	9.0	17.2	24	9.8	16.5	7	11.8	4.6	7	11.8	4.6	20	13.9	0.6	0	11.0	0.0	3	16.6	3.7	20	12.3	6.1	10	9.5	13.5	11	5.8	21.9	110	11.5	23.8
4	54	9.8	24.3	59	8.9	17.1	24	9.8	16.5	7	11.8	4.6	7	11.8	4.6	20	13.9	0.7	0	11.0	0.0	3	16.7	3.8	19	12.3	6.1	11	9.5	13.5	11	5.8	21.9	121	11.5	23.8
5	58	9.4	24.1	62	8.8	16.9	26	9.8	16.5	7	11.8	4.6	7	11.8	4.6	20	13.9	0.7	0	11.0	0.0	3	16.7	3.8	19	12.3	6.1	11	9.5	13.5	11	5.8	21.9	105	11.5	23.8
6	58	9.2	24.1	62	8.6	16.9	25	9.7	16.5	7	11.8	4.6	7	11.8	4.6	20	13.9	0.7	0	11.0	0.0	3	16.7	3.8	19	12.3	6.1	14	9.5	13.5	11	5.8	21.8	106	11.6	23.8
7	61	9.1	24.0	62	8.6	16.9	26	9.7	16.5	7	11.8	4.6	7	11.8	4.6	20	13.9	0.7	0	11.0	0.0	3	16.7	3.8	20	12.3	6.1	13	9.5	13.5	11	5.7	21.8	99	11.6	23.7
8				63	8.5	16.9	27	9.7	16.5	7	11.8	4.6	7	11.8	4.6	21	13.9	0.7	0	11.0	0.0	3	16.7	3.8	20	12.3	6.1				10	5.7	21.8	103	11.6	23.7
										7	11.8	4.6	7	11.8	4.6	20	13.8	0.7	0	11.0	0.0	3	16.6	3.8	21	12.3	6.1									
																21	13.9	0.7																	
MIDDLE																																				
1	45	9.5	24.7	60	9.1	17.5	23	9.8	16.5	7	11.9	4.6	7	11.9	4.6	21	13.9	0.7	0	11.1	-0.1	2	16.8	3.7	19	2.2	6.0	7	9.4	13.6	2	5.8	21.8	99	11.3	23.7
2	55	9.5	24.2	57	9.0	17.5	28	9.8	16.5	7	11.8	4.6	7	11.8	4.6	21	13.9	0.7	0	11.0	0.0	2	16.8	3.7	19	12.3	6.0	8	9.4	13.6	2	5.8	21.8	89	11.3	23.6
3	50	9.0	24.1	55	8.9	17.5	26	9.8	16.5	7	11.7	4.6	7	11.7	4.6	21	13.9	0.7	0	11.0	0.0	2	16.7	3.7	18	12.3	6.0	7	9.4	13.5	2	5.8	21.8	106	11.0	23.6
4	56	8.7	24.0	56	8.9	17.4	29	9.8	16.5	8	11.8	4.6	8	11.8	4.6	21	13.8	0.7	0	11.0	0.0	2	16.8	3.7	19	12.3	6.0	7	9.4	13.6	2	5.7	21.8	102	10.8	23.6
5	52	8.5	23.9	53	8.7	16.9	26	9.7	16.5	8	11.8	4.6	8	11.8	4.6	21	13.8	0.7	0	11.0	0.1	2	16.8	3.7	19	12.3	6.0	7	9.4	13.5	2	5.7	21.8	113	10.8	23.5
6	56	8.4	23.9	50	8.5	16.9	26	9.7	16.4	8	11.8	4.6	8	11.8	4.6	22	13.8	0.7	0	11.0	0.1	3	16.8	3.7	19	12.3	6.0	8	9.4	13.5	2	5.7	21.8	97	10.5	23.4
7	63	8.3	23.9	55	8.5	16.9	27	9.7	16.5	8	11.8	4.7	8	11.8	4.7	22	13.8	0.7	0	11.0	0.1	2	16.8	3.7	18	12.7	6.0	8	9.4	13.6	2	5.7	21.8	92	10.2	23.4
8	67	8.3	23.8	59	8.5	16.9	26	9.7	16.5	7	11.7	4.6	7	11.7	4.6	21	13.8	0.7	0	11.0	0.1	3	16.8	3.7	19	12.2	6.0	8	9.4	13.5	2	5.7	21.8	100	10.0	23.3
9	64	8.3	23.8	51	8.5	16.9	26	9.7	16.5	7	11.7	4.6	7	11.7	4.6	21	13.8	0.7	0	11.0	0.1	3	16.8	3.7	19	12.2	6.0				2	5.6	21.8	77	9.9	23.2
10							29	9.7	16.5	7	11.7	4.7	7	11.7	4.7	23	13.8	0.7	0	11.0	0.1	4	16.8	3.7	18	12.3	6.0							71	9.0	23.3
																23	13.8	0.7							18	12.3	6.0									
EAST																																				
1	48	10.7	25.2	56	9.0	17.5	25	9.8	17.0	7	11.7	4.6	3	16.4	1.1	21	13.7	1.0	0	11.1	0.0	2	17.0	4.0	18	12.2	6.2	8	9.1	13.8	5	5.8	22.4	82	11.0	23.8
2	46	10.8	24.7	48	9.0	17.5	24	9.7	17.0	7	11.7	4.6	3	16.3	2.4	21	13.8	1.1	0	11.1	0.0	2	17.0	3.9	18	12.2	6.2	10	9.0	13.9	5	6.0	22.4	85	10.9	23.7
3	51	10.6	24.2	53	8.9	17.4	26	9.7	17.0	7	11.7	4.6	2	16.3	1.3	21	13.7	1.0	0	11.1	0.1	2	17.0	3.9	18	12.1	6.2	11	9.0	14.0	5	5.8	22.1	86	10.7	23.6
4	56	9.1	24.1	57	8.8	17.4	29	9.7	16.9	7	11.7	4.6	3	16.1	1.5	20	13.7	1.1	0	11.0	0.1	2	17.0	3.9	17	12.2	6.4	12	8.9	14.0	5	5.7	22.0	82	10.4	23.4
5	57	9.2	23.9	50	8.6	17.2	24	9.6	16.8	7	11.7	4.6	3	15.9	1.6	20	13.6	1.2	0	11.1	0.3	2	17.0	3.9	19	12.2	6.3	12	8.9	14.0	6	5.6	21.7	71	9.9	23.3
6	62	8.9	24.0	57	8.5	17.1	30	9.6	16.7	7	11.7	4.6	2	15.9	1.8	22	13.7	1.2	0	10.9	1.0	2	17.0	3.9	18	12.2	6.3	12	8.9	14.0	7	5.5	21.7	80	9.0	23.3
7	61	8.8	23.9	56	8.4	17.0	30	9.6	16.7	7	11.7	4.6	3	15.9	2.1	19	13.6	1.2	0	10.7	1.3	2	17.0	3.9	19	12.2	6.2				8	5.5	21.7	69	8.7	23.3
8							35	9.6	16.7				3	15.9	2.0	22	13.7	1.1													9	5.5	21.7	90	8.6	23.2

AVERAGE

August 2006			September 2006			October 2006			November 2006			December 2006			January 2007			February 2007			March 2007			April 2007			May 2007			June 2007			July 2007		
Turbid NTU	DO mg/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C
60	9.4	24.2	58	8.7	17.2	27	9.7	16.6	7	11.8	4.6	5	13.2	3.8	21	13.8	0.8	0	11.0	0.2	2	16.8	3.8	19	12.2	6.1	10	9.3	13.7	6	5.7	21.9	91	10.7	23.5

Notes:

YELLOW CELLS = depths from which water samples were collected for chemical analysis; if two adjacent water depths are highlighted, samples were collected between the two depths.

Table D-4
OU2B – Water Quality Field Parameters

Water Depth (feet)	August 2006			September 2006			October 2006			November 2006			December 2006			January 2007			February 2007			March 2007			April 2007			May 2007			June 2007			July 2007		
	Turbid NTU	DO mg/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C
WEST																																				
1	48	9.8	24.3	66	9.0	17.8	34	9.1	15.9	5.3	11.5	4.9							0	15.4	0.1	6	13.2	3.4	24	12.3	5.5	25	9.2	14.0	19	5.2	20.7	86	12.3	24.2
2	43	9.7	24.2	56	9.0	17.8	31	9.0	15.9	4.9	11.5	4.9							0	15.5	0.2	5	13.3	3.4	23	12.3	5.4	26	9.2	14.1	20	5.2	20.8	93	12.3	24.2
3	39	9.6	24.2	44	9.0	17.8	30	9.0	15.9	5.6	11.5	4.9							0	15.1	0.2	5	13.4	3.4	23	12.3	5.5	26	9.2	14.0	19	5.2	20.7	70	12.4	24.1
4	42	9.5	24.2	56	8.9	17.7	30	9.0	15.9	4.9	11.5	4.9							0	15.8	0.2	7	13.4	3.3	28	12.3	5.5	26	9.2	14.0	19	5.2	20.7	73	10.1	23.9
5	45	9.5	24.2	63	8.9	17.7	30	9.0	15.9	4.0	11.5	4.9							0	15.8	0.2	4	13.5	3.3	23	12.3	5.5	25	9.2	14.0	19	5.2	20.8	68	9.8	23.8
6	42	9.4	24.2	66	8.9	17.7	29	9.0	15.9	4.9	11.5	4.9							0	15.8	0.2	5	13.5	3.3	23	12.3	5.5	30	9.2	14.0	20	5.2	20.8	51	9.3	23.7
7	46	9.4	24.2	45	8.9	17.7	28	9.0	15.9	4.8	11.5	4.9	No readings taken			No readings taken			0	15.8	0.2	5	13.5	3.2	23	12.3	5.5	25	9.1	14.0	20	5.2	20.8	49	8.7	23.6
8	46	9.4	24.2	57	8.8	17.7	29	8.9	15.9	4.7	11.5	4.9							0	15.8	0.2	5	13.5	3.3	23	12.3	5.5	26	9.2	14.0	20	5.2	20.8	54	7.9	23.6
9	47	9.4	24.2	42	8.9	17.7	28	8.9	15.9	4.6	11.4	4.9							0	15.8	0.2	8	13.5	3.3	24	12.3	5.5	27	9.1	14.0				53	7.8	23.6
10	43	9.4	24.2				28	8.9	15.9	4.7	11.5	4.9							0	15.8	0.2	5	13.4	3.3	24	12.3	5.5	29	9.1	14.0				55	7.7	23.6
11	46	9.4	24.2				25	8.9	16.0	4.7	11.5	4.9							0	15.8	0.2	5	13.4	3.3				30	9.1	14.0				61	7.7	23.6
12							35	8.9	15.9	4.5	11.4	4.9							0	15.8	0.2	6	13.4	3.3				32	9.1	14.0						
13							50	8.9	16.0										0	15.8	0.2	6	13.4	3.3				30	9.1	14.0						
MIDDLE																																				
1	36	10.4	24.4	77	9.0	17.8	27	9.3	15.8	4.4	11.6	4.4							0	16.4	0.2	5	13.8	3.0	20	12.5	5.1	29	9.2	13.8	18	5.3	20.8	69	12.9	24.3
2	44	10.3	24.3	79	9.0	17.8	32	9.2	15.8	4.1	11.6	4.3							0	16.3	0.2	6	13.8	3.0	21	12.5	5.1	25	9.2	13.8	19	5.3	20.8	70	12.4	24.1
3	43	9.7	24.2	69	8.9	17.8	27	9.2	15.8	3.9	11.6	4.2							0	16.0	0.2	5	13.8	3.0	30	12.4	5.1	31	9.2	13.8	19	5.3	20.8	60	11.4	24.1
4	51	9.5	24.2	51	8.9	17.7	28	9.1	15.8	4.0	11.6	4.2							0	15.9	0.2	5	13.7	3.0	23	12.4	5.1	33	9.2	13.8	19	5.3	20.8	71	11.0	24.0
5	43	9.6	24.2	59	8.9	17.8	25	9.1	15.8	4.2	11.6	4.2							0	15.9	0.2	5	13.7	3.0	23	12.4	5.1	32	9.2	13.8	19	5.2	20.8	58	10.4	23.9
6	47	9.5	24.2	61	8.7	17.7	33	9.1	15.8	4.1	11.6	4.2							0	15.9	0.2	6	13.7	3.0	23	12.4	5.1	34	9.2	13.8	19	5.2	20.8	74	9.6	23.8
7	49	9.5	24.2	60	8.7	17.7	25	9.1	15.8	3.8	11.6	4.1							0	15.8	0.2	4	13.7	3.0	23	12.4	5.1	32	9.2	13.8	19	5.2	20.8	60	9.1	23.8
8	47	9.5	24.2	58	8.7	17.7	27	9.1	15.8	3.9	11.6	4.1							0	15.8	0.2	4	13.7	3.0	24	12.4	5.1	43	9.2	13.8	18	5.2	20.8	51	8.7	23.7
9	45	9.4	24.2	49	8.6	17.7	29	9.1	15.8	4.3	11.6	4.1	No readings taken			No readings taken			0	15.8	0.2	4	13.7	3.0	24	12.4	5.1	46	9.1	13.8	20	5.2	20.8	56	8.3	23.7
10	45	9.3	24.2	57	8.6	17.7	30	9.1	15.8	4.5	11.6	4.1							0	15.8	0.2	5	13.7	3.0	23	12.4	5.1	41	9.1	13.8	20	5.1	20.8	50	8.1	23.7
11	46	9.3	24.2	63	8.6	17.7	29	9.1	15.8	4.5	11.6	4.1							0	15.8	0.2	5	13.6	3.0	23	12.4	5.1	40	9.1	13.9	20	5.1	20.8	51	7.9	23.6
12	43	9.3	24.2	57	8.6	17.7	26	9.1	15.8	4.5	11.5	4.2							0	15.8	0.2	5	13.6	3.0	23	12.4	5.1	42	9.1	13.8	21	5.1	20.8	45	12.6	23.5
13	45	9.3	24.2	56	8.5	17.7	27	9.1	15.8	4.2	11.5	4.1							0	15.8	0.2	5	13.6	3.0	23	12.3	5.1	40	9.1	13.8	21	5.1	20.7	43	7.5	23.5
14	47	9.3	24.2				33	9.1	15.8	4.6	11.5	4.1							0	15.8	0.2	5	13.6	3.0	23	12.4	5.1	47	9.2	13.9	21	5.1	20.7	42	7.3	23.5
15							29	9.1	15.8	4.2	11.5	4.1							0	15.8	0.2	5	13.6	3.0	23	12.4	5.1	38	9.1	13.9						
																			0	15.7	0.2	5	13.6	3.0	25	12.3	5.1	39	9.2	13.9						
																									23	12.3	5.1									
EAST																																				
1	48	11.1	24.4	63	9.2	17.8	33	9.2	15.8	3.4	11.9	3.6							0	15.7	0.1				28	12.6	5.0	24	9.2	13.7	17	5.4	20.8	72	13.3	24.5
2	45	10.9	24.4	50	9.2	17.8	27	9.2	15.8	3.2	11.9	3.5							0	15.8	0.1				30	12.4	5.0	24	9.2	13.8	18	5.4	20.8	71	13.0	24.5
3	43	9.7	24.3	54	9.2	17.8	28	9.1	15.7	3.6	12.0	3.5							0	15.7	0.2				29	12.4	5.0	32	9.2	13.7	18	5.4	20.8	64	12.0	24.1
4	48	9.6	24.2	54	9.1	17.7	28	9.2	15.8	3.8	12.1	3.5							0	15.7	0.2				29	12.4	5.0	27	9.2	13.7	18	5.4	20.8	75	11.4	24.0
5	51	9.5	24.2	59	9.0	17.8	30[1]	9.1	15.7	3.8	12.0	3.6							0	15.7	0.2				29	12.4	5.0	29	9.2	13.7	18	5.4	20.8	68	10.5	24.0
6	52	9.6	24.2	61	9.0	17.7	30[1]	9.1	15.8	4.1	12.0	3.5	No readings taken			No readings taken			0	15.7	0.2	No field readings taken			29	12.3	5.0	32	9.1	13.7	18	5.4	20.8	57	10.0	23.9
7	49	9.7	24.2	61	9.0	17.7	29	9.1	15.7	4.3	12.0	3.5							0	15.7	0.2				30	12.3	5.0	33	9.2	13.7	18	5.4	20.8	63	9.7	23.9
8	51	9.7	24.2	61	9.0	17.7	29	9.1	15.7	4.4	12.0	3.5							0	15.7	0.2				31	12.3	5.0	29	9.2	13.8	18	5.4	20.8	73	9.7	23.9
9	52	9.7	24.2	66	8.9	17.7	30	9.1	15.7	3.9	12.0	3.5							0	15.7	0.2				29	12.3	5.0	30	9.2	13.7	19	5.3	20.7	72	9.6	23.9
10							34	9.1	15.7	4.0	12.0	3.5							0	15.7	0.2				34	12.3	5.0	33	9.1	13.7						
11										3.9	12.0	3.5							0	15.7	0.2				31	12.3	5.0	38	9.1	13.7						
																												38	9.1	13.7						
																												34	9.1	13.7						

AVERAGE

August 2006			September 2006			October 2006			November 2006			December 2006			January 2007			February 2007			March 2007			April 2007			May 2007			June 2007			July 2007		
Turbid NTU	DO mg/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C
45	9.7	24.2	58	8.9	17.7	29	9.1	15.8	4	11.7	4.2	-	-	-	-	-	-	0	18.3	0.2	5	13.6	3.2	26	12.4	5.2	31	9.2	13.9	19	5.2	20.8	66	10.4	24.0

Notes:

YELLOW CELLS = depths from which water samples were collected for chemical analysis; if two adjacent water depths are highlighted, samples were collected between the two depths.

Table D-5
OU2C – Water Quality Field Parameters

Water	August 2006			September 2006			October 2006			November 2006			December 2006			January 2007			February 2007			March 2007			April 2007			May 2007			June 2007			July 2007		
Depth (feet)	Turbid NTU	DO mg/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C
WEST																																				
1	57	17.1	26.3	76	9.9	17.9	34	9.5	16.1	3	11.2	4.5	5	13.2	1.2	14	13.8	1.0	0	15.7	0.0	6	13.6	3.4	24	12.5	5.6	32	9.1	14.2	12	5.8	21.4	55	12.0	25.0
2	66	16.4	25.8	83	9.7	17.9	34	9.4	16.1	2	11.2	4.5	5	13.2	1.2	14	13.8	1.0	0	15.6	0.0	6	13.6	3.4	24	12.5	5.6	33	9.1	14.2	12	5.8	21.4	46	12.1	24.5
3	66	15.8	25.6	87	9.7	17.9	41	9.4	16.1	2	11.2	4.5	4	13.2	1.2	13	13.8	1.0	0	15.6	0.0	7	13.6	3.4	23	2.4	5.6	32	9.1	14.2	13	5.8	21.4	51	11.6	24.5
4	69	15.4	25.4	87	9.8	17.9	33	9.4	16.1	3	11.2	4.4	4	13.2	1.2	14	13.8	1.0	0	15.6	0.0	6	13.6	3.4	22	12.4	5.6	33	9.1	14.2	12	5.8	21.4	58	10.8	24.3
5	63	14.5	25.3	55	10.0	17.9	35	9.4	16.1	2	11.3	4.5	4	13.2	1.2	14	13.8	1.0	0	15.6	0.0	6	13.6	3.4	21	12.4	5.6	34	9.1	14.2	14	5.8	21.4	57	10.0	24.3
6	74	14.5	25.2	66	10.0	17.9	31	9.4	16.1	2	11.2	4.5	4	13.2	1.2	14	13.8	1.0	0	15.5	0.0	7	13.6	3.4	22	12.5	5.6	29	9.1	14.2	14	5.7	21.4	65	10.0	24.3
7	70	14.2	25.2	68	9.7	17.9	33	9.4	16.1	2	11.2	4.5	4	13.2	1.2	13	13.8	1.0	0	15.5	0.0	6	13.6	3.4	28	12.5	5.6	37	9.1	14.2	14	5.7	21.4	56	9.9	24.3
8	65	13.8	25.1	71	9.5	17.9	34	9.4	16.1	2	11.2	4.5	4	13.2	1.2	13	13.8	1.0	0	15.5	0.0	7	13.5	3.4	24	12.4	5.6	37	9.1	14.2	15	5.7	21.4	54	9.6	24.2
9	67	13.6	25.1	61	9.4	17.9	35	9.4	16.1	3	11.3	4.5	4	13.2	1.2	14	13.8	1.0	0	15.5	0.0	7	13.5	3.4	24	12.4	5.6	39	9.1	14.2	15	5.7	21.4	57	9.5	24.2
10	70	13.5	25.1	70	9.4	17.9	32	9.4	16.1	2	11.3	4.5	4	13.2	1.2	14	13.8	1.0	0	15.5	0.0	6	13.5	3.4	34	12.4	5.6	40	9.1	14.2	15	5.7	21.4	57	9.4	24.2
11	72	13.5	25.1				31	9.4	16.1	2	11.3	4.5	4	13.1	1.2	14	13.8	1.0	0	15.5	0.0				36	12.4	5.6	41	9.1	14.2						
12							47	9.4	16.1	2	11.3	4.5				14	13.7	1.0	0	15.5	0.0				24	12.4	5.6	42	9.1	14.2						
13							58	9.4	16.1										0	15.5	0.0				23	12.4	5.6	42	9.1	14.2						
																									27	12.4	5.6									
MIDDLE																																				
1	57	16.4	25.7	88	9.9	17.9	38	9.4	16.1	3	11.1	4.5	4	13.4	1.3	13	13.8	0.9	0	15.6	0.0	5	13.9	3.3	25	12.4	5.4	45	9.1	14.2	15	5.7	21.2	56	12.3	25.1
2	65	14.7	25.5	80	9.8	17.9	37	9.4	16.1	3	11.1	4.4	3	13.3	1.3	16	13.8	0.9	0	15.6	0.0	5	13.7	3.4	25	12.4	5.4	49	9.0	14.3	17	5.7	21.2	58	12.4	25.0
3	65	14.6	25.4	77	9.6	17.9	40	9.3	16.1	3	11.0	4.4	4	13.4	1.3	15	13.7	0.9	0	15.6	0.0	5	13.6	3.3	24	12.3	5.4	41	9.0	14.2	16	5.7	21.2	49	12.1	24.7
4	66	14.3	25.2	77	9.6	17.9	39	9.3	16.1	2	11.1	4.4	4	13.4	1.3	16	13.8	0.8	0	15.6	0.0	5	13.6	3.4	24	12.3	5.4	51	8.9	14.2	16	5.7	21.2	47	10.2	24.2
5	63	13.8	25.1	67	9.7	17.9	39	9.3	16.1	2	11.0	4.4	4	13.4	1.3	16	13.8	0.8	0	15.6	0.0	5	13.6	3.3	23	12.4	5.4	46	8.9	14.2	16	5.7	21.2	52	9.4	24.1
6	65	13.2	25.0	88	9.5	17.9	42	9.3	16.1	2	11.0	4.4	3	13.4	1.3	16	13.7	0.8	0	15.6	0.0	5	13.6	3.3	23	12.3	5.4	46	8.9	14.2	18	5.7	21.2	53	9.2	24.1
7	67	12.8	25.1	83	9.3	17.8	40	9.3	16.1	2	11.0	4.4	3	13.4	1.3	16	13.7	0.9	0	15.6	0.0	6	13.6	3.3	26	12.4	5.4	57	8.9	14.2	19	5.7	21.2	52	9.1	24.1
8	61	13.0	24.9	78	9.3	17.8	50	9.3	16.1	3	11.0	4.4	3	13.3	1.3	15	13.7	0.9	0	15.6	0.0	6	13.6	3.3	26	12.4	5.4	61	8.9	14.2	20	5.7	21.2	54	9.1	24.1
9	67	12.9	24.9	82	9.1	17.8	51	9.3	16.1	3	11.0	4.4	3	13.3	1.3	15	13.7	0.9	0	15.6	0.0	5	13.6	3.3	26	12.3	5.4	57	8.9	14.2	19	5.7	21.2	52	9.0	24.1
10	70	12.7	24.9	60	9.0	17.8	45	9.3	16.1	3	11.0	4.4	3	13.3	1.2	16	13.7	0.9	0	15.6	0.0	6	13.6	3.3	23	12.3	5.4	45	8.9	14.2	19	5.7	21.2	52	8.9	24.1
11	68	12.5	24.9				50	9.3	16.1	3	11.0	4.4	3	13.3	1.3	17	13.7	0.9	0	15.6	0.0				24	12.4	5.4	56	8.8	14.2				58	8.9	24.1
12										3	11.0	4.4	3	13.3	1.3	17	13.7	0.9							24	12.3	5.4	59	8.8	14.2				53	8.9	24.1
EAST																																				
1	59	16.7	25.6	83	10.2	18.0	31	9.4	16.1	2	11.1	4.2	3	13.4	1.2	16	13.8	0.8	0	15.6	-0.1	5	13.6	3.3	23	12.3	5.3	40	8.8	14.3	9	5.8	21.2	49	12.5	25.0
2	74	15.1	25.1	81	10.3	18.0	33	9.5	16.1	2	11.7	4.2	3	13.4	1.1	16	13.8	0.8	0	15.5	-0.1	5	13.6	3.3	24	12.4	5.3	40	8.9	14.3	9	5.8	21.2	52	11.1	24.4
3	65	15.0	24.9	82	10.1	17.9	36	9.4	16.1	2	11.1	4.2	3	13.4	1.1	16	13.8	0.8	0	15.5	-0.1	5	13.6	3.3	24	12.4	5.3	40	8.9	14.3	9	5.8	21.2	51	10.3	24.2
4	66	13.0	24.9	73	10.1	17.9	33	9.4	16.1	2	11.1	4.3	3	13.3	1.1	16	13.8	0.8	0	15.5	-0.1	5	13.6	3.3	23	12.4	5.3	40	8.8	14.3	9	5.8	21.2	48	9.7	24.2
5	66	12.5	24.9	93	10.0	17.9	31	9.4	16.1	2	11.1	4.2	4	13.3	1.1	16	13.8	0.8	0	15.5	-0.1	5	13.6	3.3	23	12.4	5.3	39	8.9	14.3	9	5.8	21.2	46	9.4	24.1
6	64	12.5	24.9	65	9.9	17.9	31	9.4	16.1	2	11.1	4.2	3	13.3	1.1	16	13.8	0.8	0	15.5	-0.1	5	13.6	3.3	23	12.4	5.3	39	8.8	14.3	9	5.7	21.2	41	9.3	24.1
7	69	12.4	24.9	80	9.8	17.8	35	9.4	16.1	2	11.1	4.1	3	13.3	1.1	16	13.8	0.8	0	15.5	-0.1	5	13.6	3.2	24	12.4	5.3	40	8.8	14.3	9	5.7	21.2	45	9.3	24.1
8	67	12.3	24.9	72	9.3	17.8	35	9.4	16.1	2	11.1	4.2	3	13.3	1.1	16	13.8	0.8	0	15.5	-0.1	5	13.6	3.2	25	12.4	5.3	43	8.9	14.3	9	5.7	21.2	44	9.2	24.1
9	67	12.2	24.9	87	9.3	17.8	36	9.4	16.1	2	11.1	4.2	3	13.3	1.1	15	13.8	0.8	0	15.5	-0.1	6	13.6	3.2	25	12.3	5.3	39	8.9	14.3	9	5.7	21.2	48	9.2	24.1
10	71	12.2	24.8	70	9.2	17.8	34	9.4	16.1	2	11.1	4.2	3	13.3	1.1	17	13.8	0.8	0	15.5	-0.1	5	13.6	3.2	25	12.3	5.3	35	8.8	14.3	10	5.7	21.2	46	9.2	24.1
11	71	12.1	24.8	85	9.3	17.9	37	9.3	16.1	2	11.1	4.1	3	13.3	1.0	16	13.7	0.8	0	15.5	-0.1	6	13.6	3.2	25	12.4	5.3	37	8.8	14.3	11	5.7	21.2	47	9.1	24.1
12	68	12.1	24.8				49	9.3	16.1	2	11.1	4.2	4	13.2	1.0	16	13.7	0.8	0	15.5	-0.1	6	13.6	3.2	24	12.4	5.3	37	8.8	14.3				43	9.1	24.1
13	71	12.2	24.8				44	9.3	16.1	2	11.1	4.2	4	13.2	1.1	16	13.7	0.8							23	12.4	5.3	56	8.8	14.3				46	9.1	24.1
																												47	8.8	14.3						

AVERAGE

August 2006			September 2006			October 2006			November 2006			December 2006			January 2007			February 2007			March 2007			April 2007			May 2007			June 2007			July 2007		
Turbid NTU	DO mg/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C
69	14.1	25.2	74	9.5	17.9	38	9.4	16.1	2	11.1	4.4	4	13.3	1.2	15	13.8	0.9	0	18.6	-0.1	6	13.6	3.3	26	10.7	5.4	39	8.9	14.2	14	5.7	21.2	52	10.5	24.3

Notes:

YELLOW CELLS = depths from which water samples were collected for chemical analysis; if two adjacent water depths are highlighted, samples were collected between the two depths.

Table D-6
OU3 – Water Quality Field Parameters

Water Depth (feet)	August 2006			September 2006			October 2006			November 2006			December 2006			January 2007			February 2007			March 2007			April 2007			May 2007			June 2007			July 2007		
	Turbid NTU	DO mg/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C
WEST																																				
1	53	12.1	24.9	87	9.9	17.2	32	9.8	15.5	2	12.9	4.8	5	14.1	0.4	10	13.6	1.0	0	15.7	-0.1	4	11.2	3.6	19	12.9	4.1	30	9.1	14.5	20	7.6	21.2	29	15.7	25.0
2	47	13.9	25.0	95	9.8	17.2	26	9.8	15.5	2	12.9	4.8	5	14.1	0.4	10	13.6	0.9	0	15.7	-0.1	4	11.4	3.6	20	13.0	4.2	30	9.1	14.5	20	7.6	21.2	39	15.3	24.7
3	43	14.1	25.0	82	9.7	17.2	24	9.7	15.5	2	12.9	4.8	6	14.1	0.4	10	13.6	1.0	0	15.8	-0.1	4	11.2	3.5	21	13.0	4.2	31	9.1	14.5	20	7.6	21.1	38	14.9	24.6
4	49	14.1	25.0	81	9.8	17.2	28	9.8	15.5	2	13.0	4.8	6	14.1	0.4	10	13.6	1.0	0	15.8	-0.1	4	11.4	3.5	22	13.0	4.1	30	9.1	14.5	21	7.5	21.1	32	13.2	24.5
5	51	14.1	25.0	81	9.8	17.2	27	9.8	15.5	3	12.9	4.8	6	14.1	0.4	10	13.6	0.9	0	15.8	-0.1	4	11.5	3.5	22	13.0	4.1	33	9.1	14.5	21	7.5	21.0	34	13.0	24.6
6	46	14.0	25.0	78	9.7	17.2	27	9.7	15.5	2	12.9	4.8	5	14.1	0.5	10	13.6	0.9	0	15.8	-0.1	4	11.5	3.6	19	13.0	4.1	32	9.1	14.5	22	7.4	21.0	42	12.9	24.6
7	52	14.0	25.0	69	9.7	17.2	27	9.7	15.5	2	12.9	4.8	6	14.1	0.5	10	13.6	1.0	0	15.8	-0.1	4	11.4	3.5	19	12.9	4.1	33	9.1	14.5	22	7.3	21.0	40	12.8	24.6
8	49	14.0	25.0	85	9.7	17.2	27	9.8	15.5	3	12.9	4.8	6	14.1	0.4	10	13.6	0.9	0	15.8	-0.1	4	11.4	3.5	26	12.9	4.1	33	9.1	14.5	22	7.2	21.0	32	11.0	24.5
9	55	13.9	24.9	74	9.7	17.2	26	9.8	15.5	3	12.9	4.8	6	14.0	0.5	10	13.6	0.9	0	15.8	-0.1	5	11.4	3.5	20	12.9	4.1	31	9.1	14.5	23	7.2	21.0	32	9.0	24.0
10	52	13.9	24.9	76	9.7	17.2	26	9.7	15.5	3	12.9	4.7	6	14.1	0.4	10	13.6	0.9	0	15.8	-0.1	4	11.4	3.5	21	12.9	4.1	37	9.1	14.5	24	7.2	21.0	40	8.0	23.8
11	56	13.5	24.9	72	9.7	17.2	27	9.7	15.5	3	12.9	4.7	6	14.1	0.5	11	13.6	0.9	0	15.8	-0.1	4	11.4	3.5	20	12.9	4.1	36	9.1	14.5	25	7.2	20.9	40	7.1	23.6
12	56	13.4	24.9	66	9.7	17.2	25	9.8	15.5	3	12.8	4.7	6	14.0	0.5	11	13.6	0.9	0	15.8	-0.1	4	11.4	3.5	21	12.9	4.1	32	9.1	14.5	24	7.1	20.9	43	6.0	23.6
13	59	13.3	24.9				26	9.8	15.5	2	12.8	4.7	6	14.0	0.4	11	13.5	0.9	0	15.8	-0.1	5	11.4	3.5	19	12.9	4.1	38	9.0	14.5				43	4.6	23.4
14							37	9.8	15.5	2	12.8	4.7	6	14.0	0.5	11	13.5	0.9	0	15.7	-0.1	5	11.4	3.5	22	12.9	4.1									
15										2	12.8	4.7	6	14.0	0.5	11	13.5	0.9				5	11.5	3.5											
																10	13.5	0.9																	
MIDDLE																																				
1	48	14.0	24.9	78	10.3	17.2	29	9.7	15.6	2	13.0	4.9	6	14.2	0.3	11	13.7	0.9	0	16.0	-0.1	5	11.5	3.8	18	13.1	4.0	27	9.3	14.4	19	7.7	21.4	38	13.0	24.7
2	44	14.0	24.9	78	10.2	17.2	29	9.6	15.6	2	13.0	4.9	6	14.2	0.3	11	13.7	0.9	0	15.8	-0.1	6	11.5	3.8	18	13.1	4.0	27	9.2	14.4	19	7.8	21.6	35	12.8	24.6
3	49	14.0	24.9	71	10.0	17.2	28	9.6	15.6	3	13.1	4.9	6	14.2	0.4	11	13.7	0.9	0	15.9	-0.1	5	11.5	3.9	18	13.1	4.0	26	9.2	14.4	19	7.8	21.4	38	12.7	24.6
4	49	14.0	24.9	75	9.9	17.2	28	9.6	15.6	2	13.1	4.9	6	14.2	0.4	11	13.7	0.9	0	15.9	-0.1	6	11.5	3.8	18	13.1	4.0	31	9.2	14.4	20	7.6	21.2	39	12.6	24.6
5	49	14.0	24.9	84	9.8	17.2	28	9.6	15.6	3	13.0	4.9	6	14.2	0.4	12	13.7	0.9	0	15.9	0.0	6	11.5	3.8	18	13.1	4.0	29	9.2	14.4	20	7.6	21.2	43	12.6	24.6
6	49	14.0	24.9	81	9.7	17.2	29	9.6	15.6	2	13.0	4.9	6	14.2	0.4	12	13.7	0.9	0	15.9	0.0	6	11.5	3.8	18	13.1	4.0	40	9.2	14.4	20	7.5	21.2	45	12.5	24.6
7	49	13.9	24.9	83	9.7	17.2	28	9.6	15.6	3	13.0	4.9	6	14.1	0.4	11	13.7	0.9	0	15.9	0.0	5	11.5	3.8	18	13.1	4.0	33	9.2	14.4	20	7.5	21.1	38	12.2	24.5
8	49	13.9	24.9	81	9.7	17.2	29	9.6	15.6	3	13.0	4.9	6	14.2	0.4	11	13.7	0.9	0	15.8	0.0	6	11.5	3.8	18	13.1	4.0	34	9.2	14.4	21	7.5	21.1	38	12.0	24.5
9	55	13.9	24.9	71	9.7	17.2	30	9.6	15.6	3	13.0	4.9	6	14.2	0.4	11	13.7	0.9	0	15.8	0.0	6	11.5	3.8	19	13.1	4.0	35	9.2	14.4	21	7.4	21.0	32	11.6	24.4
10	56	13.9	24.9	87	9.7	17.2	29	9.6	15.6	3	13.0	4.8	6	14.1	0.4	11	13.7	0.9	0	15.8	0.0	5	11.5	3.8	19	13.1	4.0	37	9.2	14.4	21	7.4	21.0	31	9.2	23.9
11	43	13.8	24.9	68	9.7	17.2	29	9.6	15.6	3	13.0	4.9	6	14.1	0.4	12	13.6	0.9	0	15.8	0.0	6	11.5	3.9	19	13.1	4.0	40	9.2	14.4	21	7.3	21.1	38	7.9	23.8
12	45	13.7	24.9	77	9.7	17.2	30	9.6	15.6	3	13.0	4.8	6	14.1	0.4	11	13.6	0.9	0	15.8	0.0	6	11.4	3.9	19	13.1	4.0	39	9.2	14.4	21	7.2	21.0	30	6.2	23.6
13	51	13.6	24.9	77	9.7	17.2	29	9.6	15.6	3	13.0	4.8	6	14.1	0.4	11	13.6	0.9	0	15.8	0.0	6	11.5	3.9	19	13.0	3.9	40	9.2	14.4	22	7.2	21.0	43	5.1	23.4
14	64	13.3	24.7	86	9.6	17.2	30	9.6	15.6	3	13.0	4.8	6	14.1	0.4	11	13.6	0.9	0	15.8	0.0	7	11.4	3.9	20	13.0	3.9	42	9.2	14.4	22	7.2	21.0	43	4.4	23.4
15	81	10.3	24.4	69	9.6	17.2	28	9.6	15.6	3	13.0	4.9	6	14.1	0.4	11	13.6	0.9	0	15.8	0.0	8	11.5	3.9	23	13.0	3.9	42	9.2	14.4				49	3.3	23.3
16	86	8.6	24.4				45	9.6	15.6	3	13.0	4.9	6	14.1	0.4	12	13.6	0.9	0	15.8	0.0	7	11.4	3.9	21	13.0	3.9	44	9.1	14.4				43	3.0	23.3
17										3	13.0	4.9	7	14.1	0.4	11	13.6	0.9	0	15.7	0.0	7	11.4	3.9	28	13.0	3.9	51	9.2	14.4						
																			0	15.74	0.0	7	11.4	3.9	23	13.0	3.9									
EAST																																				
1	58	16.7	25.6	76	10.5	17.2	28	9.7	15.5	2	13.0	4.9	6	14.1	0.3	15	13.6	0.9	0	16.0	-0.2	4	11.4	3.6	17	13.2	3.8	29	9.1	14.5	18	7.8	21.5	42	15.9	25.2
2	74	15.1	25.1	78	10.4	17.2	29	9.7	15.5	2	13.0	4.9	5	14.1	0.3	16	13.6	1.0	0	16.0	-0.1	6	11.4	3.7	17	13.1	3.9	29	9.1	14.4	19	7.9	21.4	41	15.5	24.9
3	65	15.0	24.9	84	10.2	17.2	28	9.6	15.5	2	13.0	4.8	6	14.1	0.3	16	13.6	1.0	0	15.9	-0.1	4	11.4	3.6	17	13.2	3.9	30	9.0	14.4	19	7.8	21.4	32	14.0	24.7
4	62	13.0	24.9	87	10.1	17.2	29	9.6	15.5	2	12.9	4.9	6	14.1	0.3	16	13.5	1.0	0	15.8	-0.1	4	11.4	3.6	19	13.2	3.8	30	9.0	14.4	20	7.8	21.4	35	12.7	24.6
5	69	12.5	24.9	83	10.0	17.2	28	9.6	15.5	2	13.0	4.8	6	14.1	0.3	16	13.5	1.0	0	15.8	-0.1	5	11.4	3.6	17	13.1	3.8	31	9.0	14.4	21	7.8	21.4	42	12.6	24.6
6	64	12.5	24.9	80	9.8	17.2	27	9.6	15.5	2	13.0	4.8	6	14.1	0.3	16	13.5	0.9	0	15.8	-0.1	6	11.4	3.6	17	13.1	3.8	31	9.0	14.4	22	7.8	21.4	46	12.6	24.6
7	69	12.4	24.9	90	9.8	17.2	27	9.6	15.5	2	13.0	4.8	6	14.1	0.3	16	13.5	0.9	0	15.8	-0.1	5	11.4	3.6	17	13.2	3.8	31	9.0	14.4	22	7.8	21.3	40	12.6	24.6
8	67	12.3	24.9	81	9.7	17.2	27	9.6	15.5	3	12.9	4.8	6	14.1	0.3	16	13.6	0.9	0	15.8	-0.1	5	11.4	3.6	17	13.1	3.8	30	9.0	14.4	22	7.8	21.3	38	12.5	24.5
9	68	12.2	24.9	76	9.6	17.2	28	9.6	15.5	2	12.9	4.8	6	14.1	0.3	16	13.5	0.9	0	15.7	-0.1	5	11.4	3.7	17	13.1	3.8	31	9.0	14.4	22	7.8	21.3	37	11.5	24.3
10	71	12.2	24.8	92	9.5	17.2	27	9.6	15.5	3	12.9	4.8	6	14.1	0.3	16	13.5	0.9	0	15.7	-0.1	5	11.4	3.6	17	13.1	3.8	25	9.0	14.4				31	10.1	24.2
11	71	12.1	24.8				30	9.6	15.5	2	12.8	4.8	6	14.0	0.3	16	13.5	0.9	0	15.7	-0.1	4	11.4	3.6	17	13.1	3.8	31	9.0	14.4				37	8.2	24.0
12	68	12.1	24.8							2	12.9	4.7	6	14.0	0.3	16	13.5	0.9				4	11.4	3.6	17	13.1	3.9	32	8.9	14.4				31	6.6	23.9
13	70	12.2	24.8													15	13.5	0.9							16	13.1	3.8	25	9.0	14.0						
AVERAGE																																				
	August 2006			September 2006			October 2006			November 2006			December 2006			January 2007			February 2007			March 2007			April 2007			May 2007			June 2007			July 2007		
	Turbid NTU	DO mg/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C
	56	13.7	24.9	77	9.8	17.2	31	11.3	18.1	2	13.0	4.8	6	14.1	0.4	12	13.6	0.9	0	15.8	-0.1	5	11.4	3.7	19	13.0	4.0	31	9.1	14.4	21	7.6	21.2	38	10.8	24.2

Notes:

YELLOW CELLS = depths from which water samples were collected for chemical analysis; if two adjacent water depths are highlighted, samples were collected between the two depths.

Table D-7
OU4 – Water Quality Field Parameters

Water	August 2006			September 2006			October 2006			November 2006			December 2006			January 2007			February 2007			March 2007			April 2007			May 2007			June 2007			July 2007		
Depth (feet)	Turbid NTU	DO mg/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C
WEST																																				
1	102	8.1	24.9	116	8.2	18.8	15	11.0	8.4	6	12.1	5.3	No readings taken			15	13.3	1.7	0	10.6	0.3	6	11.2	3.9	39	12.7	4.2	38	9.3	15.2	26	7.7	22.7	102	10.8	27.1
2	101	8.2	25.0	123	8.3	18.6	15	11.0	8.4	6	12.2	5.3				14	13.3	1.7	0	10.5	0.4	6	11.2	3.9	25	12.7	4.2	33	9.4	15.1	28	7.8	22.4	113	10.9	26.9
3	103	8.1	24.9	132	7.6	18.3	15	11.0	8.4	6	12.2	5.3				14	13.3	1.7	0	10.5	0.4	6	11.2	3.9	24	12.7	4.2	40	9.3	15.2	31	7.4	22.2	111	10.7	26.8
4	95	8.1	24.9	112	7.6	18.3	15	10.9	8.4	6	12.2	5.3				15	13.3	1.7	0	10.5	0.5	6	11.2	3.9	26	12.7	4.3	40	9.4	15.1	31	7.0	22.0	122	10.8	26.7
5	100	8.1	24.9	112	7.5	18.3	15	10.9	8.3	6	12.1	5.3				15	13.3	1.7	0	10.5	0.5	7	11.2	3.9	25	12.7	4.2	45	9.3	15.1	32	6.9	21.8	120	10.9	26.7
6	96	8.1	24.9	115	7.5	18.2	15	10.9	8.3	5	12.1	5.3				15	13.3	1.7	0	10.5	0.5	7	11.2	3.9	25	12.7	4.2	43	9.3	15.1	30	6.7	21.7	115	10.3	25.7
7	96	8.0	24.9	132	7.5	18.2	16	10.9	8.3	6	12.1	5.3				15	13.3	1.7	0	10.5	0.5	7	11.2	3.9	26	12.7	4.2	44	9.3	15.1	29	6.6	21.7	99	9.4	25.1
8	112	7.9	24.9	113	7.5	18.2	16	10.9	8.3	7	12.1	5.3				14	13.3	1.7	0	10.5	0.5	7	11.2	3.9	23	12.6	4.2	45	9.3	15.1	29	6.6	21.6	92	8.8	24.7
9	104	7.9	24.9	119	7.5	18.2	15	10.9	8.3	7	12.1	5.3				14	13.3	1.7	0	10.5	0.5	8	11.2	3.9	30	12.6	4.2	46	9.3	15.1	29	6.6	21.5	89	8.5	24.7
10	110	8.0	24.9	122	7.5	18.2	16	10.9	8.3	7	12.1	5.3				14	13.3	1.7	0	10.5	0.5	8	11.2	3.9	24	12.6	4.2	42	9.3	15.0	29	6.6	21.5	98	8.4	24.6
11	104	8.0	24.9	127	7.5	18.2	16	10.9	8.3	9	12.1	5.3				15	13.3	1.7	0	10.5	0.5	7	11.2	3.9	23	12.6	4.2	48	9.2	15.0	32	6.5	21.3	92	8.3	24.6
12	112	7.9	24.9	101	7.4	18.2	16	10.9	8.3	9	12.1	5.3				18	13.3	1.7	0	10.5	0.5	7	11.2	3.9	26	12.6	4.2	38	9.3	15.0	33	6.4	21.3	86	8.2	24.6
13	108	7.9	24.9				23	10.9	8.3	8	12.1	5.3				15	13.3	1.7	0	10.5	0.5	6	11.2	3.9	23	12.6	4.2	44	9.2	15.0	34	6.4	21.3	88	8.2	24.6
14	111	7.9	24.9				17	10.9	8.3	7	12.1	5.3				15	13.3	1.7	0	10.5	0.5	9	11.1	3.9	29	12.7	4.2				32	6.4	21.3	99	8.1	24.6
15							17	10.8	8.3	9	12.1	5.3				23	13.3	1.7				7	11.2	3.9	27	12.6	4.2				29	6.4	21.2			
16							19	10.8	8.3													8	11.1	3.9							30	6.4	21.1			
MIDDLE																																				
1	104	8.4	25.1	109.5	9.6	18.9	17	10.9	8.6	4	12.2	54.0	No readings taken			14	13.4	1.6	0	10.9	0.2	7	11.2	3.9	7	11.2	3.9	33	9.3	15.1	26	7.2	22.6	106	10.6	27.0
2	95	8.2	25.1	120	9.6	18.3	18	10.9	8.7	5	12.2	5.4				14	13.4	1.6	0	10.8	0.2	7	11.2	3.9	7	11.2	3.9	34	9.4	15.1	27	7.6	22.5	109	10.5	26.6
3	92	8.2	25.1	99	8.3	18.4	18	10.9	8.6	4	12.2	5.4				15	13.4	1.6	0	10.7	0.2	7	11.2	3.9	7	11.2	3.9	34	9.4	15.1	27	7.1	22.5	107	9.1	26.1
4	108	8.1	25.0	108	8.0	18.2	18	10.9	8.5	4	12.2	5.4				14	13.4	1.6	0	10.6	0.2	7	11.2	3.9	7	11.2	3.9	33	9.4	15.0	27	7.1	22.5	108	8.9	26.5
5	101	8.1	25.1	102	7.7	18.2	19	10.9	8.5	4	12.2	5.3				15	13.3	1.6	0	10.6	0.3	7	11.1	3.9	7	11.1	3.9	37	9.3	15.0	26	7.2	22.3	108	8.6	25.8
6	97	8.0	25.0	115	7.6	18.1	18	10.9	8.5	5	12.1	5.3				15	13.3	1.6	0	10.7	0.3	7	11.2	3.9	7	11.2	3.9	37	9.3	15.0	26	7.1	21.7	107	8.7	25.5
7	108	7.9	25.0	109	7.6	18.3	17	10.9	8.5	5	12.1	5.3				15	13.3	1.6	0	10.6	0.3	7	11.2	3.9	7	11.2	3.9	37	9.3	15.0	26	6.6	21.5	108	9.0	25.0
8	108	7.9	25.0	129	7.5	18.3	20	10.9	8.5	4	12.2	5.3				15	13.3	1.6	0	10.5	0.4	7	11.2	3.9	7	11.2	3.9	33	9.3	14.9	27	6.5	21.5	120	9.0	24.9
9	111	7.8	25.0	101	7.4	18.2	18	10.9	8.5	5	12.1	5.3				15	13.3	1.6	0	10.5	0.4	7	11.2	3.9	7	11.2	3.9	39	9.3	14.9	28	6.5	21.4	108	9.0	24.9
10	104	7.9	25.0	133	7.4	18.2	20	10.9	8.4	5	12.1	5.3				15	13.3	1.6	0	10.5	0.4	7	11.1	3.9	7	11.1	3.9	39	9.3	14.9	24	6.4	21.4	113	8.8	24.7
11	106	7.8	24.9	115	7.4	18.2	21	10.9	8.4	5	12.1	5.3				15	13.3	1.6	0	10.5	0.4	7	11.1	3.9	7	11.1	3.9	39	9.3	14.9	25	6.3	21.3	100	8.6	24.7
12	107	7.8	24.9	98	7.4	18.2	19	10.9	8.4	5	12.1	5.3				15	13.3	1.6	0	10.5	0.4	7	11.1	3.9	7	11.1	3.9	40	9.2	14.9	27	6.3	21.3	101	8.4	24.6
13	108	7.7	24.9	123	7.5	18.2	18	10.8	8.4	5	12.1	5.3				15	13.3	1.6	0	10.5	0.4	8	11.2	3.9	8	11.2	3.9	41	9.2	14.9	26	6.3	21.2	103	8.3	24.6
14	109	7.7	24.9	109	7.4	18.2	17	10.8	8.4	5	12.1	5.3				14	13.3	1.6	0	10.5	0.4	7	11.2	3.9	7	11.2	3.9	42	9.2	14.9	29	6.3	21.2	105	8.3	24.6
15	109	7.7	24.9	119	7.4	18.2	18	10.8	8.4	5	12.1	5.3				15	13.3	1.6	0	10.5	0.5	7	11.1	3.9	7	11.1	3.9	39	9.2	14.9	31	6.3	21.1	105	8.3	24.6
16	105	7.7	24.9	118	7.5	18.2	17	10.8	8.4	5	12.1	5.3				14	13.3	1.6	0	10.5	0.4	7	11.1	3.8	7	11.1	3.8	39	9.2	14.9	20	6.3	21.0	105	8.3	24.6
17	108	7.6	24.9	113	7.4	18.2	29	10.8	8.4	5	12.1	5.3				16	13.3	1.6	0	10.5	0.4	7	11.1	3.8	7	11.1	3.8	38	9.2	14.9	20	6.3	21.0	109	8.2	24.6
18	100	7.6	24.9	108	7.4	18.2	20	10.8	8.4	6	12.1	5.3				14	13.2	1.6	0	10.5	0.5	7	11.1	3.8	7	11.1	3.8	41	9.2	14.9	20	6.2	21.0	101	8.1	24.6
19	105	7.5	24.9	108	7.4	18.2	21	10.8	8.4	5	12.1	5.3				14	13.2	1.6	0	10.5	0.5	8	11.1	3.8	8	11.1	3.8	40	9.2	14.9	20	6.2	21.0	109	8.0	24.6
20	103	7.5	24.9	106	7.3	18.1	20	10.8	8.3	5	12.1	5.3				15	13.3	1.6	0	10.5	0.5	8	11.1	3.8	8	11.1	3.8	41	9.2	14.9	21	6.2	20.9	95	7.9	24.6
21	100	7.5	24.9	97	7.4	18.1	19	10.8	8.3	5	12.1	5.3				15	13.3	1.6	0	10.4	0.5	11	11.1	3.8	11	11.1	3.8	42	9.2	14.8	20	6.2	20.9	96	8.0	24.6
22	105	7.5	24.8	97	7.4	18.1	19	10.8	8.4	5	12.0	5.3				15	13.2	1.6	0	10.4	0.5	8	11.1	3.8	8	11.1	3.8	43	9.2	14.8	20	6.2	20.9	97	7.7	24.5
23	105	7.5	24.8	113	7.4	17.8	21	10.8	8.4	5	12.0	5.3				15	13.2	1.6	0	10.5	0.5	8	11.1	3.8	8	11.1	3.8	43	9.1	14.8	21	6.2	20.9	100	7.7	24.6
24	102	7.4	24.8	123	7.5	17.8	21	10.8	8.4	6	12.1	5.3				15	13.2	1.6	0	10.4	0.5	8	11.1	3.8	8	11.1	3.8	44	9.2	14.8	22	6.2	20.9	103	7.7	24.5
25	109	7.3	24.8	93	7.6	17.8	18	10.8	8.4	6	12.0	5.3				16	13.2	1.6	0	10.4	0.5	7	11.1	3.8	7	11.1	3.8	40	9.2	14.8	24	6.2	20.9	108	7.7	24.5
26	107	7.2	24.7				18	10.8	8.4	6	12.0	5.3				16	13.2	1.6	0	10.4	0.5	7	11.1	3.8	7	11.1	3.8							109	7.6	24.5
										6	12	5.3							0	10.4	0.5	11	11.1	3.8	11	11.1	3.8									
																			0	10.4	0.5	7	11.1	3.8	7	11.1	3.8									

Table D-7
OU4 – Water Quality Field Parameters

EAST

Water Depth (feet)	August 2006 Turbid NTU	August 2006 DO mg/l	August 2006 Temp °C	September 2006 Turbid NTU	September 2006 DO MG/l	September 2006 Temp °C	October 2006 Turbid NTU	October 2006 DO MG/l	October 2006 Temp °C	November 2006 Turbid NTU	November 2006 DO MG/l	November 2006 Temp °C	December 2006 Turbid NTU	December 2006 DO MG/l	December 2006 Temp °C
1	97	8.4	25.1	120	8.7	18.9	24	10.9	8.6	5	12.1	5.4	No readings taken		
2	104	8.3	25.1	103	8.7	18.9	18	10.9	8.5	5	12.1	5.4			
3	101	8.3	25.1	115	8.3	18.6	17	10.9	8.5	5	12.1	5.4			
4	105	8.3	25.1	118	8.1	18.6	17	10.9	8.4	5	12.1	5.4			
5	109	8.2	25.1	112	7.9	18.4	17	10.9	8.4	5	12.1	5.4			
6	105	8.1	25.1	113	7.7	18.4	17	10.9	8.4	5	12.1	5.4			
7	103	8.1	25.0	134	7.6	18.2	23	10.9	8.4	5	12.1	5.4			
8	102	8.0	25.0	108	7.5	18.2	18	10.9	8.4	5	12.1	5.4			
9	99	8.0	25.0	117	7.5	18.2	18	10.8	8.4	5	12.1	5.4			
10	102	8.1	25.1	118	7.5	18.2	18	10.9	8.4	5	12.1	5.4			
11	101	8.0	25.0	106	7.4	18.2	18	10.8	8.4	5	12.1	5.4			
12	99	7.8	25.0	93	7.5	18.2	18	10.8	8.4	5	12.1	5.4			
13	106	7.8	25.0	110	7.5	18.2	16	10.8	8.4	5	12.1	5.4			
14	103	7.7	25.0	104	7.4	18.2	19	10.8	8.4	5	12.0	5.4			
15	107	7.8	25.0	109	7.4	18.2	17	10.8	8.4	5	12.0	5.4			
16	103	7.8	25.0	90	7.4	18.2	18	10.8	8.4	5	12.0	5.4			
17	103	7.8	25.0	118	7.4	18.2	20	10.8	8.4	5	12.0	5.4			
18	100	7.7	25.0	117	7.4	18.2	19	10.8	8.4	6	12.0	5.4			
19	109	7.7	25.0	103	7.4	18.2	19	10.8	8.4	5	12.0	5.4			
20	106	7.8	25.0	104	7.3	18.2	21	10.8	8.4	5	12.0	5.4			
21	106	7.7	25.0	104	7.3	18.2	19	10.8	8.4	5	12.0	5.4			
22	107	7.7	25.0							5	12.0	5.4			
23	112	7.7	25.0							5	12.0	5.4			
24	106	7.7	25.0							5	12.0	5.4			
25										6	12.0	5.4			

Water Depth (feet)	January 2007 Turbid NTU	January 2007 DO MG/l	January 2007 Temp °C	February 2007 Turbid NTU	February 2007 DO MG/l	February 2007 Temp °C	March 2007 Turbid NTU	March 2007 DO MG/l	March 2007 Temp °C	April 2007 Turbid NTU	April 2007 DO MG/l	April 2007 Temp °C	May 2007 Turbid NTU	May 2007 DO MG/l	May 2007 Temp °C	June 2007 Turbid NTU	June 2007 DO MG/l	June 2007 Temp °C	July 2007 Turbid NTU	July 2007 DO MG/l	July 2007 Temp °C
1	14	13.4	1.6	No readings taken			7	11.2	3.9	22	12.7	4.3	44	9.3	15.1	24	7.2	22.5	103	10.7	26.8
2	14	13.4	1.6				7	11.2	3.9	22	12.7	4.3	44	9.3	15.1	23	7.2	22.6	100	10.3	26.2
3	15	13.4	1.6				7	11.2	3.9	22	12.8	4.3	49	9.3	15.0	24	7.2	22.5	98	9.6	26.4
4	15	13.4	1.6				7	11.2	3.9	21	12.7	4.3	47	9.2	14.9	23	7.2	22.5	110	10.2	25.4
5	15	13.4	1.6				7	11.1	3.9	21	12.7	4.3	47	9.3	14.9	20	7.1	22.2	106	10.1	25.3
6	15	13.3	1.6				7	11.2	3.9	21	12.7	4.3	47	9.2	15.0	24	7.1	22.6	102	10.0	25.3
7	15	13.3	1.6				7	11.2	3.9	21	12.7	4.3	43	9.3	14.9	22	7.2	22.4	104	10.0	25.3
8	15	13.3	1.6				9	11.1	3.9	20	12.7	4.3	47	9.2	14.9	21	7.1	21.8	103	10.0	25.2
9	15	13.3	1.6				7	11.1	3.9	22	12.7	4.3	43	9.2	15.0	21	6.7	21.6	110	10.1	25.3
10	15	13.3	1.7				7	11.1	3.9	21	12.7	4.3	44	9.2	14.8	21	6.6	21.6	108	9.3	24.8
11	14	13.3	1.6				7	11.1	3.9	22	12.7	4.3	43	9.2	14.9	21	6.4	21.3	102	8.9	24.7
12	15	13.3	1.7				7	11.1	3.9	22	12.7	4.3	43	9.3	14.9	22	6.4	21.3	91	8.7	24.7
13	16	13.3	1.7				7	11.1	3.9	22	12.7	4.3	43	9.3	14.8	22	6.4	21.3	101	8.5	24.7
14	16	13.3	1.7				7	11.1	3.9	26	12.7	4.3	48	9.3	14.9	21	6.3	21.2	110	8.4	24.6
15	14	13.3	1.7				7	11.1	3.9	21	12.7	4.3	41	9.3	14.9	20	6.3	21.2	101	8.4	24.7
16	14	13.3	1.6				7	11.1	3.9	19	12.7	4.3	47	9.2	14.8	20	6.3	21.1	102	8.3	24.7
17	15	13.2	1.7				7	11.1	3.9	21	12.7	4.3	47	9.2	14.9	20	6.3	21.1	106	8.3	24.6
18	15	13.2	1.7				7	11.1	3.9	22	12.7	4.3	47	9.2	14.9	20	6.3	21.1	100	8.3	24.6
19	15	13.2	1.7				8	11.1	3.9	22	12.7	4.4	48	9.2	14.9	20	6.2	21.1	107	8.3	24.6
20	15	13.2	1.7				11	11.1	3.9	21	12.7	4.3	48	9.2	14.9	20	6.3	21.1	114	8.3	24.6
21	16	13.2	1.7				8	11.1	3.9	21	12.7	4.4	50	9.2	14.9	20	6.2	21.1	120	8.3	24.6
22	15	13.2	1.7				8	11.1	3.9	21	12.7	4.4	50	9.2	14.9	21	6.2	21.1	111	8.2	24.6
23	19	13.2	1.7				9	11.1	3.9	21	2.7	4.4	50	9.2	14.9	21	6.1	21.1	120	8.2	24.6
24	19	13.2	1.7							26	12.7	4.34	52	9.2	14.9	22	6.0	21.1	115	8.1	24.6
25													51.9	9.2	14.9				124	8.1	24.6

AVERAGE

August 2006 Turbid NTU	August 2006 DO mg/l	August 2006 Temp °C	September 2006 Turbid NTU	September 2006 DO MG/l	September 2006 Temp °C	October 2006 Turbid NTU	October 2006 DO MG/l	October 2006 Temp °C	November 2006 Turbid NTU	November 2006 DO MG/l	November 2006 Temp °C	December 2006 Turbid NTU	December 2006 DO MG/l	December 2006 Temp °C
103	7.9	25.0	116	7.6	18.2	18	10.9	8.4	6	12.1	5.3	-	-	-

January 2007 Turbid NTU	January 2007 DO MG/l	January 2007 Temp °C	February 2007 Turbid NTU	February 2007 DO MG/l	February 2007 Temp °C	March 2007 Turbid NTU	March 2007 DO MG/l	March 2007 Temp °C	April 2007 Turbid NTU	April 2007 DO MG/l	April 2007 Temp °C	May 2007 Turbid NTU	May 2007 DO MG/l	May 2007 Temp °C	June 2007 Turbid NTU	June 2007 DO MG/l	June 2007 Temp °C	July 2007 Turbid NTU	July 2007 DO MG/l	July 2007 Temp °C
15	13.3	1.6	0	10.5	0.4	7	11.1	3.9	18	12.2	4.1	41	9.3	14.9	25	6.7	21.5	102	8.9	25.2

Notes:

YELLOW CELLS = depths from which water samples were collected for chemical analysis; if two adjacent water depths are highlighted, samples were collected between the two depths.

Table D-8
OU5A – Water Quality Field Parameters

Water	August 2006			September 2006			October 2006			November 2006			December 2006			January 2007			February 2007			March 2007			April 2007			May 2007			June 2007			July 2007		
Depth (feet)	Turbid NTU	DO mg/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C
WEST																																				
3.3	28	8.9	23.2	10	10.2	17.9	9	12.1	7.4	2	12.6	5.7	3.5	14.4	-0.1	0	15.2	0.0	0	12.0	0.4	0	17.3	0.2	1	13.3	4.2	0	10.9	13.7	0	9.8	18.1	3	8.4	23.6
6.6	30	9.0	22.1	10	10.2	17.9	9	12.1	6.0	2	12.6	5.7	3.3	14.5	-0.1	0	15.2	0.0	0	11.7	1.1	0	17.1	1.9	1	13.4	4.2	1	10.9	13.5	1	9.7	18.0	2	7.2	22.7
9.8	30	8.7	21.9	11	10.2	17.8	8	12.1	6.6	2	12.5	5.7	3.2	14.4	-0.1	0	15.1	0.1	0	11.7	1.8	0	16.7	2.7	1	13.4	4.2	1	10.7	13.5	1	9.7	18.0	1	6.1	22.2
13.1	29	8.1	21.8	17	10.2	17.8	8	12.1	6.7	2	12.6	5.7	3.3	14.4	-0.1	0	14.7	0.4	0	11.8	2.0	0	19.3	3.3	2	13.4	4.2	2	10.5	13.5	1	9.7	17.8	1	6.1	22.0
MIDDLE																																				
3.3	31	10.3	22.4	15	9.9	17.8	6	11.6	10.0	3	12.6	6.0	3.7	14.1	0.3	No readings taken			0	12.3	0.1	0	16.9	0.4	6	13.5	3.5	0	11.9	12.9	4	10.8	18.1	0	9.5	23.0
6.6	32	9.7	22.1	15	9.8	17.8	6	11.5	10.0	3	12.6	6.0	3.8	14.2	0.3				0	12.3	0.1	0	16.6	1.2	6	13.5	3.4	0	12.0	12.7	4	10.8	17.9	0	9.5	22.9
9.8	32	8.6	22.0	15	9.8	17.8	6	11.5	10.0	4	12.6	6.0	3.9	14.2	0.3				0	12.3	0.1	0	16.7	2.1	6	13.4	3.4	0	12.0	12.6	4	10.8	17.8	0	9.4	22.9
13.1	32	8.2	22.0	16	9.7	17.7	6	11.5	10.0	5	12.5	6.0	4.0	14.2	0.3				0	12.2	0.3	0	16.8	2.5	6	13.4	3.4	1	11.9	12.5	5	10.8	17.6	0	9.4	22.8
15.4	32	8.1	21.9																																	
16.4				16	9.5	17.7	6	11.5	10.0	6	12.5	6.0	3.8	14.2	0.3				0	12.1	0.6	0	16.8	2.6	6	13.4	3.3	1	11.8	12.5	6	10.6	17.0	1	7.5	21.1
19.7				16	9.5	17.6	10	11.5	10.0	7	12.4	6.0	3.6	14.1	0.3				0	11.2	0.5	0	16.9	2.7	6	13.4	3.3	2	11.7	12.4	8	10.0	17.0	2	3.8	20.5
EAST																																				
3.3	33	11.5	22.5	10	10.2	17.9	10	11.6	9.0	4	12.4	5.3	No readings taken			0	14.7	-0.1	0	12.7	0.1	0	16.8	-0.1	9	13.5	3.9	0	11.4	12.3	6	10.7	18.7	7	9.3	25.1
6.6	34	10.5	22.1	10	10.2	17.9	9	11.5	9.1	4	12.4	5.2				0	14.6	-0.1	0	12.8	0.1	0	16.8	0.1	8.7	13.6	3.6	0	11.2	12.0	6	10.7	15.8	4	9.4	23.5
9.8	32	8.7	21.9	11	10.2	17.8	8	11.4	9.0	4	12.4	5.2				0	14.3	0.3	0	12.8	0.2	0	15.8	0.7	10	13.6	3.5	1	11.0	12.0	7	10.7	18.3	3	8.9	23.2
13.1	32	8.3	21.9	17	10.2	17.8	9	11.4	9.0	4	12.3	5.1				0	13.8	0.3	0	12.1	0.4	0	16.1	0.8	10	13.5	3.5	1	11.0	12.0	8	10.6	18.0	3	8.7	23.1
16.4	32	7.9	21.9	27	10.2	17.7	9	11.4	9.0	5	12.3	5.0				0	13.6	0.3	0	11.5	0.5	0	16.5	0.9	9	13.5	3.5	1	10.7	11.9	12	10.5	17.4	3	7.0	22.5
																0	13.6	0.3	0	11.2	0.5	1	16.2	1.0	10	13.3	3.5				14	9.5	17.3	13	5.6	22.1

AVERAGE

August 2006			September 2006			October 2006			November 2006			December 2006			January 2007			February 2007			March 2007			April 2007			May 2007			June 2007			July 2007		
Turbid NTU	DO mg/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C
31	10.2	22.7	12	10.1	17.8	9	11.7	8.8	3	12.5	5.7	4	14.3	0.1	0	14.9	0.0	0	12.3	0.2	0	17.0	0.2	5	13.4	3.9	0	11.4	13.0	3	10.4	18.3	3	9.1	23.9
31	8.6	22.0	15	10.0	17.8	8	11.7	8.4	4	12.5	5.6	4	14.3	0.1	0	14.6	0.2	0	12.1	0.7	0	16.6	1.8	6	13.5	3.7	1	11.3	12.7	4	10.4	17.9	2	8.3	22.8

Notes:

YELLOW CELLS = depths from which samples were collected from SURFACE WATER LAYER for chemical analysis; if two adjacent water depths are highlighted, samples were collected between the two depths.
BLUE CELLS = depths from which samples were collected from DEEP WATER LAYER for chemical analysis; if two adjacent water depths are highlighted, samples were collected between the two depths.

Table D-9
OU5B – Water Quality Field Parameters

WEST

Water Depth (feet)	August 2006 Turbid NTU	August 2006 DO mg/l	August 2006 Temp °C	September 2006 Turbid NTU	September 2006 DO MG/l	September 2006 Temp °C	October 2006 Turbid NTU	October 2006 DO MG/l	October 2006 Temp °C	November 2006 Turbid NTU	November 2006 DO MG/l	November 2006 Temp °C	December 2006 Turbid NTU	December 2006 DO MG/l	December 2006 Temp °C	January 2007 Turbid NTU	January 2007 DO MG/l	January 2007 Temp °C	February 2007 Turbid NTU	February 2007 DO MG/l	February 2007 Temp °C	March 2007 Turbid NTU	March 2007 DO MG/l	March 2007 Temp °C	April 2007 Turbid NTU	April 2007 DO MG/l	April 2007 Temp °C	May 2007 Turbid NTU	May 2007 DO MG/l	May 2007 Temp °C	June 2007 Turbid NTU	June 2007 DO MG/l	June 2007 Temp °C	July 2007 Turbid NTU	July 2007 DO MG/l	July 2007 Temp °C
3.3	124	8.8	21.4	0	8.7	19.3	5	10.9	11.2	1	11.7	6.6	No readings taken			No readings taken			No readings taken			0	14.1	-0.1	0	13.7	2.3	0	11.6	11.6	0	10.2	16.4	0	10.3	23.7
6.6	124	8.8	21.3	0	8.6	19.3	5	10.8	11.2	1	11.7	6.6										0	14.1	-0.1	0	13.9	2.3	0	11.6	11.6	1	10.3	16.0	0	10.7	22.2
9.8	124	8.7	21.4	0	8.6	19.3	5	10.8	11.2	1	11.7	6.6										0	14.0	-0.1	0	13.6	2.3	0	11.9	10.3	1	10.3	15.7	0	10.7	21.8
13.1	124	8.7	21.4	0	8.6	19.3	5	10.8	10.2	1	11.6	6.6										0	13.9	0.4	0	13.6	2.3	0	11.7	9.7	1	10.6	14.9	0	10.3	21.3
16.4	123	8.7	21.4	0	8.6	19.3	5	10.8	11.2	1	11.6	6.6										0	14.0	0.7	0	13.6	2.3	0	11.8	9.6	0	10.5	14.8	0	9.6	21.0
19.7	124	8.7	21.5	0	8.6	19.3	6	10.7	11.2	1	11.6	6.6										0	13.9	1.2	0	13.6	2.3	0	11.8	9.5	0	10.4	14.7	0	8.4	18.9
23.0	123	8.4	21.3	0	8.6	19.3	6	10.7	11.2	1	11.6	6.6										0	13.9	1.5	0	13.6	2.3	0	11.8	9.4	0	10.4	14.5	0	2.1	14.8
26.2	124	8.2	21.3	7	8.5	19.3	7	10.6	11.2	1	11.5	6.6										0	13.8	1.5	0	13.6	2.3	0	11.9	9.3						

MIDDLE

Water Depth (feet)	August 2006 Turbid NTU	August 2006 DO mg/l	August 2006 Temp °C	September 2006 Turbid NTU	September 2006 DO MG/l	September 2006 Temp °C	October 2006 Turbid NTU	October 2006 DO MG/l	October 2006 Temp °C	November 2006 Turbid NTU	November 2006 DO MG/l	November 2006 Temp °C	December 2006 Turbid NTU	December 2006 DO MG/l	December 2006 Temp °C	January 2007 Turbid NTU	January 2007 DO MG/l	January 2007 Temp °C	February 2007 Turbid NTU	February 2007 DO MG/l	February 2007 Temp °C	March 2007 Turbid NTU	March 2007 DO MG/l	March 2007 Temp °C	April 2007 Turbid NTU	April 2007 DO MG/l	April 2007 Temp °C	May 2007 Turbid NTU	May 2007 DO MG/l	May 2007 Temp °C	June 2007 Turbid NTU	June 2007 DO MG/l	June 2007 Temp °C	July 2007 Turbid NTU	July 2007 DO MG/l	July 2007 Temp °C
3.3	123	8.9	21.5	10	8.9	19.1	4	11.0	11.1	3	12.5	6.4	No readings taken			No readings taken			0	14.9	0.3	0	14.2	-0.1	0	13.8	2.1	0	12.3	9.7	0	10.7	16.1	0	10.1	24.5
6.6	123	8.9	21.5	10	8.8	19.1	4	11.0	11.1	3	12.4	6.4							0	14.9	0.4	0	14.2	-0.1	0	13.8	2.1	0	12.3	9.6	0	10.7	16.0	0	10.4	23.2
9.8	124	8.9	21.5	10	8.8	19.1	4	10.9	11.1	3	12.4	6.4							0	14.9	0.4	0	14.3	-0.1	0	13.8	2.1	0	12.4	9.4	0	10.7	16.0	0	10.4	22.5
13.1	124	8.8	21.5	10	8.8	19.1	4	10.9	11.1	3	12.4	6.4							0	14.9	0.4	0	14.2	-0.1	0	13.7	2.1	0	12.4	8.9	0	10.7	16.0	0	10.6	22.1
16.4	124	8.8	21.5	9	8.7	19.1	3	10.9	11.1	3	12.4	6.4							0	14.8	0.4	0	14.2	-0.1	0	13.7	2.1	0	12.4	8.6	0	10.8	15.8	0	10.7	21.7
19.7	124	8.7	21.5	7	8.7	19.1	4	10.9	11.1	3	12.4	6.4							0	14.8	0.4	0	14.1	0.2	0	13.7	2.2	0	12.4	8.4	0	10.8	15.7	0	10.6	21.6
23.0	123	8.7	21.5	7	8.7	19.1	4	10.9	11.1	3	12.3	6.4							0	14.7	0.5	0	14.0	0.5	0	13.7	2.1	0	12.4	8.2	0	10.7	15.3	0	10.4	21.5
26.2	124	8.7	21.5	8	8.7	19.0	4	10.8	11.1	3	12.3	6.4							0	14.7	0.5	0	14.1	0.7	1	13.7	2.1	0	12.7	7.8	0	10.6	15.3	0	9.6	21.4
29.5	124	8.7	21.5	9	8.7	19.0	5	10.7	11.0	3	12.3	6.4							0	14.6	0.5	0	14.3	0.9	1	13.7	2.1	0	12.7	7.5	0	10.6	15.0	0	8.5	13.2
32.8	123	8.7	21.5	10	8.6	19.0	5	10.7	11.1	3	12.3	6.4							0	14.5	0.6	0	14.4	1.1	0	13.6	2.1	0	12.7	7.4	0	10.5	14.7	0	8.3	11.7
36.1	124	8.7	21.4	0	8.5	18.9	5	10.9	10.8	3	12.3	6.4							0	14.2	0.7	0	14.2	1.3	0	13.6	2.1	1	12.6	7.2	0	10.3	14.6	0	8.7	9.5
39.4	124	8.7	21.4	0	8.5	18.9	8	10.6	10.7	3	12.2	6.3							0	13.6	1.2	0	14.1	1.7	0	13.6	2.1	1	12.5	7.2	0	10.3	14.4	0	8.4	9.4
42.6	124	7.8	20.6	0	8.3	18.9	10	10.4	10.7	3	12.2	6.3							0	14.3	1.6	0	14.0	2.0	1	13.6	2.1	1	12.6	7.2	0	10.2	14.4	1	8.3	9.4
45.9	126	2.3	13.2	0	8.0	18.9	10	10.4	10.6	4	12.2	6.3							0	14.8	1.6	0	14.1	2.3	0	13.6	2.1	1	12.6	7.2	1	9.8	13.9	2	8.3	9.4
49.2	126	1.7	12.9	0	7.7	18.8	11	10.4	10.6	4	12.2	6.3							0	14.9	1.6	0	14.3	2.4	1	13.6	2.1	1	12.5	7.2	1	9.6	12.9	2	8.3	9.4
52.5	355	1.6	12.9	182	7.3	18.8													0	15.0	1.6															

EAST

Water Depth (feet)	August 2006 Turbid NTU	August 2006 DO mg/l	August 2006 Temp °C	September 2006 Turbid NTU	September 2006 DO MG/l	September 2006 Temp °C	October 2006 Turbid NTU	October 2006 DO MG/l	October 2006 Temp °C	November 2006 Turbid NTU	November 2006 DO MG/l	November 2006 Temp °C	December 2006 Turbid NTU	December 2006 DO MG/l	December 2006 Temp °C	January 2007 Turbid NTU	January 2007 DO MG/l	January 2007 Temp °C	February 2007 Turbid NTU	February 2007 DO MG/l	February 2007 Temp °C	March 2007 Turbid NTU	March 2007 DO MG/l	March 2007 Temp °C	April 2007 Turbid NTU	April 2007 DO MG/l	April 2007 Temp °C	May 2007 Turbid NTU	May 2007 DO MG/l	May 2007 Temp °C	June 2007 Turbid NTU	June 2007 DO MG/l	June 2007 Temp °C	July 2007 Turbid NTU	July 2007 DO MG/l	July 2007 Temp °C
3.3	120	9.2	21.7	No readings taken because of instrument damage			4	11.1	11.3	1	11.7	7.8	No readings taken			No readings taken			0	13.3	0.3	No readings taken			1	13.8	2.2	0	12.3	9.5	0	10.8	16.2	0	9.7	24.2
6.6	123	9.2	21.6				4	11.1	11.3	1	11.7	7.8							0	14.0	0.3				1	14	2.1	0	12.4	9.2	0	10.8	16.2	1	9.2	24.7
9.8	124	9.0	21.6				4	11.0	11.3	1	11.7	7.8							0	14.1	0.4				1	13.8	2.1	0	12.4	9.0	0	10.8	16.1	1	9.7	20.5
13.1	124	8.9	21.6				4	11.0	11.3	1	11.7	7.8							0	14.2	0.4				1	13.8	2.1	0	12.4	9.0	0	11.0	16.0	1	10.2	23.1
16.4	125	8.9	21.6				4	11.0	11.3	1	11.6	7.8							0	14.2	0.4				1	13.7	2.1	0	12.4	8.9	0	11.0	15.7	0	10.6	22.3
19.7	123	8.7	21.6				4	11.0	11.3	1	11.6	7.8							0	14.2	0.4				1	13.7	2.1	0	12.4	8.9	0	10.9	15.4	0	10.5	22.0
23.0	123	8.7	21.6				4	11.0	11.3	1	11.6	7.8							0	14.2	0.4				1	13.7	2.1	0	12.3	8.9	1	10.6	15.4	0	10.3	21.7
26.2	123	8.7	21.5				4	11.0	11.3	1	11.6	7.7							0	14.2	0.4				1	13.7	2.1	0	12.3	8.8	1	10.3	15.1	0	7.6	18.2
29.5	124	8.6	21.4				5	10.9	10.8	2	11.6	7.0							0	14.2	0.4				1	13.7	2.1	0	12.3	8.8	1	10.1	14.8	0	7.8	10.2
32.8	123	8.5	21.4				6	11.1	10.4	3	11.8	6.7							0	14.1	0.4				2	13.7	2.1	0	12.3	8.8	1	10.1	14.5	0	7.7	10.0
36.1	124	8.5	21.4				8	11.2	9.8	4	11.5	6.6							0	14.1	0.4				2	13.6	2.1	0	12.2	8.8	1	10.1	14.4	0	7.9	9.8
39.4	124	6.1	20.4				11	11.2	9.1	5	11.4	6.5							0	14.1	0.4				1	13.6	2.1	0	12.3	8.8	4	8.8	10.8	1	8.1	9.6
42.6	127	2.3	12.9				13	11.1	8.6	6	11.3	6.4							0	14.0	0.4				3	13.6	2.1	0	12.2	8.8	5	9.1	10.6	1	8.1	9.5
45.9	139	1.8	12.4				15	11.1	8.6	6	11.3	6.4							0	13.9	0.4				3	13.5	2.1				7	8.5	10.6	4	8.1	9.5

AVERAGE

August 2006 Turbid NTU	August 2006 DO mg/l	August 2006 Temp °C	September 2006 Turbid NTU	September 2006 DO MG/l	September 2006 Temp °C	October 2006 Turbid NTU	October 2006 DO MG/l	October 2006 Temp °C	November 2006 Turbid NTU	November 2006 DO MG/l	November 2006 Temp °C	December 2006 Turbid NTU	December 2006 DO MG/l	December 2006 Temp °C	January 2007 Turbid NTU	January 2007 DO MG/l	January 2007 Temp °C	February 2007 Turbid NTU	February 2007 DO MG/l	February 2007 Temp °C	March 2007 Turbid NTU	March 2007 DO MG/l	March 2007 Temp °C	April 2007 Turbid NTU	April 2007 DO MG/l	April 2007 Temp °C	May 2007 Turbid NTU	May 2007 DO MG/l	May 2007 Temp °C	June 2007 Turbid NTU	June 2007 DO MG/l	June 2007 Temp °C	July 2007 Turbid NTU	July 2007 DO MG/l	July 2007 Temp °C
124	8.9	21.5	5	8.7	19.2	4	11.0	11.2	2	12.0	6.9	-	-	-	-	-	-	0	14.1	0.3	0	14.2	-0.1	0	13.7	2.2	0	12.0	10.3	0	10.6	16.2	0	10.3	22.5
124	6.3	18.6	4	8.6	19.2	4	10.9	11.0	2	11.8	6.9	-	-	-	-	-	-	0	14.4	0.4	0	14.0	0.6	1	13.7	2.2	0	12.2	8.8	0	10.6	15.1	0	8.2	9.5

Notes:

YELLOW CELLS = depths from which samples were collected from SURFACE WATER LAYER for chemical analysis; if two adjacent water depths are highlighted, samples were collected between the two depths.

BLUE CELLS = depths from which samples were collected from DEEP WATER LAYER for chemical analysis; if two adjacent water depths are highlighted, samples were collected between the two depths.

Table D-10
OU5C – Water Quality Field Parameters

Water	August 2006			September 2006			October 2006			November 2006			December 2006			January 2007			February 2007			March 2007			April 2007			May 2007			June 2007			July 2007		
Depth (feet)	Turbid NTU	DO mg/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C
WEST																																				
3.3	18	8.6	21.2	8	9.3	19.6	0	10.6	15.2	1	11.0	8.6										0	15.9	0.1	0	13.8	2.0	0	12.4	10.4	0	10.5	13.8	0	9.8	20.3
6.6	16	8.4	21.2	6	9.4	19.5	0	10.7	15.2	1	11.0	8.6										0	15.9	0.1	0	13.9	2.0	0	12.4	10.4	0	10.5	13.8	0	9.8	20.4
9.8	16	8.4	21.2	0	9.3	19.4	0	10.8	15.2	1	11.0	8.6										0	15.9	0.1	0	13.9	2.0	0	12.4	10.3	0	10.5	13.8	0	9.9	20.0
13.1	16	8.6	21.2	0	9.2	19.3	0	10.6	15.0	1	11.0	8.6										0	15.8	0.1	0	13.8	2.0	0	12.7	9.2	0	10.5	13.8	0	9.8	19.8
16.4	16	8.6	21.3	0	9.1	19.3	0	10.2	15.0	1	11.0	8.6										0	15.8	0.2	0	13.8	2.0	0	12.8	8.7	0	10.5	13.8	0	9.7	19.7
19.7	16	8.6	21.2	0	8.9	19.2	1	10.2	15.0	1	11.0	8.6										0	15.8	0.3	0	13.8	2.0	0	12.2	8.2	0	10.5	13.8	0	9.7	19.6
23.0	16	8.4	21.1	0	8.8	19.2	0	10.1	14.9	1	10.9	8.6										0	15.8	0.3	0	13.8	1.9	0	13.0	7.5	0	10.6	13.4	0	9.7	19.6
26.2	16	8.3	21.1	0	8.7	19.2	0	10.0	14.9	1	10.9	8.6										0	15.9	0.3	0	13.8	1.9	0	13.2	7.0	0	10.6	13.2	0	9.8	18.3
29.5	16	8.3	20.8	0	8.7	19.2	0	9.9	14.9	1	10.9	8.6										0	15.8	0.4	0	13.7	1.9	0	13.3	6.4	0	10.6	13.0	0	9.5	17.6
32.8	16	8.3	16.7	0	8.6	19.2	0	9.9	14.9	1	10.9	8.6										0	15.8	0.4	0	13.7	1.9	0	13.4	6.2	0	10.5	12.8	0	9.2	16.5
36.1	16	6.5	16.8	0	8.7	19.2	0	9.8	14.9	1	10.9	8.6										0	15.8	0.4	0	13.7	2.0	0	13.4	6.0	0	10.7	12.3	0	9.2	14.5
39.4	16	6.7	15.5	0	8.8	19.1	0	9.8	14.9	1	10.8	8.6	No readings taken			No readings taken			No readings taken			0	15.7	0.4	0	13.7	2.0	0	13.3	5.9	0	10.6	11.8	0	9.6	13.0
42.6	16	7.1	14.1	0	8.8	19.1	0	9.7	14.9	2	10.8	8.6										0	15.6	0.4	0	13.7	2.0	0	13.3	5.7	0	10.6	11.6	0	9.9	12.1
45.9	16	7.0	11.2	0	8.8	19.1	0	9.7	14.9	2	10.8	8.6										0	15.6	0.5	0	13.7	2.0	0	13.4	5.5	0	10.7	11.4	0	10.5	10.7
49.2	16	6.9	10.6	0	8.8	19.1	0	9.7	14.9	1	10.8	8.6										0	15.6	0.5	0	13.6	2.0	0	13.3	5.4	0	10.6	10.3	0	10.8	9.8
52.5	16	6.8	10.5	0	8.7	19.0	0	9.6	14.9	1	10.8	8.6										0	15.6	0.5	0	13.6	1.9	0	13.3	5.2	0	10.2	10.2	0	10.9	9.6
55.8	16	6.7	10.0	0	8.5	18.7	0	9.6	14.9	1	10.8	8.6										0	15.5	0.6	0	13.6	1.9	0	13.3	5.2	0	10.5	10.6	0	10.6	9.0
59.0	16	6.7	9.7	0	8.2	18.4	0	9.6	14.9	1	10.8	8.6										0	15.5	0.7	0	13.6	1.9	0	13.2	5.1	0	10.6	9.9	0	10.7	8.6
62.3	16	6.6	9.9	0	8.0	18.2	0	9.6	14.8	1	10.8	8.6										0	15.3	0.8	0	13.6	1.9	0	13.2	5.1	0	10.5	9.4	0	10.5	8.6
65.6	16	6.5	10.0	0	7.9	18.2	0	9.5	14.6	2	10.8	8.6										0	14.8	1.0	0	13.6	1.9	0	13.2	5.0	0	10.7	9.1	0	10.3	8.6
68.9	16	6.6	9.9	0	7.9	18.2	1	9.4	14.4	1	10.8	8.6													0	13.6	1.9	0	13.1	4.8	0	9.1	9.1	0	10.4	8.6
72.2				9	7.9	18.1	4	9.3	14.4	2	10.8	8.6													0	13.5	1.9	0	13.0	4.9	0	9.1	9.1	0	10.3	8.6
										1	10.7	8.6													0	13.51	2.0	0	13.0	4.9						

Table D-10
OU5C – Water Quality Field Parameters

Water	August 2006			September 2006			October 2006			November 2006			December 2006			January 2007			February 2007			March 2007			April 2007			May 2007			June 2007			July 2007		
Depth (feet)	Turbid NTU	DO mg/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C	Turbid NTU	DO MG/l	Temp °C
MIDDLE																																				
3.3	16	9.0	21.1	15	9.2	20.4	0	10.9	15.3	2	11.1	7.9							0	12.4	0.2	0	16.0	0.0	0	14.0	1.8	0	13.2	9.1	0	10.7	15.0	0	10.3	21.7
6.6	16	8.4	21.1	0	9.5	19.7	0	10.8	15.2	2	11.1	7.9							0	12.4	0.2	0	15.9	0.3	0	14.0	1.8	0	13.4	8.9	0	10.7	14.9	0	10.3	21.7
9.8	16	8.4	21.1	0	9.6	19.6	0	10.6	15.1	2	11.1	7.9							0	12.4	0.2	0	15.9	0.3	0	14.0	1.8	0	13.5	8.3	0	10.7	14.8	0	10.3	21.6
13.1	16	8.4	21.1	0	9.4	19.5	0	10.4	15.1	2	11.1	7.9							0	12.4	0.2	0	15.9	0.3	0	14.0	1.8	0	13.6	7.5	0	10.8	14.2	0	10.3	21.7
16.4	16	8.3	21.0	0	9.2	19.5	0	10.2	15.0	2	11.1	7.9							0	12.4	0.2	0	15.9	0.3	0	14.0	1.8	0	13.6	7.0	0	10.7	14.1	0	10.3	21.5
19.7	16	8.3	21.0	0	8.9	19.4	0	10.0	15.0	2	11.1	7.9							0	12.4	0.2	0	15.9	0.3	0	14.0	1.8	0	13.6	6.9	0	10.6	14.1	0	10.3	21.5
23.0	16	8.3	21.0	0	8.8	19.4	1	10.0	15.0	2	11.1	7.9							0	12.4	0.2	0	15.8	0.3	0	14.0	1.8	0	13.5	6.8	0	10.6	14.1	0	10.3	21.4
26.2	16	8.3	21.0	0	8.7	19.4	1	9.9	15.0	2	11.0	7.9							0	12.4	0.2	0	15.8	0.3	0	13.9	1.8	0	13.3	6.7	0	10.6	14.0	0	10.4	20.8
29.5	16	8.3	21.0	0	8.7	19.3	0	9.8	15.0	2	11.0	7.9							0	12.3	0.2	0	15.7	0.3	0	13.9	1.8	0	13.2	6.7	0	10.5	14.0	0	10.2	20.1
32.8	16	8.3	20.9	0	8.3	19.3	0	9.8	15.0	2	11.0	7.9							0	12.3	0.2	0	15.7	0.3	0	13.9	1.8	0	13.2	6.6	0	10.6	13.9	0	10.1	19.8
36.1	16	8.3	20.9	0	8.3	19.3	0	9.8	15.0	2	11.0	7.9							0	12.3	0.2	0	15.7	0.3	0	13.9	1.8	0	13.1	6.6	0	10.5	13.7	0	9.8	18.6
39.4	16	8.3	20.6	0	8.6	19.3	1	9.8	15.0	2	11.0	8.0							0	12.3	0.2	0	15.7	0.3	0	13.8	1.8	0	13.1	6.5	0	10.6	13.5	0	9.1	18.0
42.6	16	8.3	20.9	0	8.5	19.3	1	9.7	15.0	2	11.0	7.9							0	12.2	0.2	0	15.7	0.3	0	13.8	1.8	0	13.1	6.4	0	10.5	13.4	0	9.0	17.0
45.9	16	8.3	15.8	0	8.5	19.3	1	9.7	15.0	2	10.9	8.0							0	12.2	0.2	0	15.7	0.3	0	13.8	1.8	0	13.0	6.4	0	10.5	13.2	0	8.8	15.9
49.2	16	8.0	15.3	0	8.5	19.3	1	9.7	15.0	2	10.9	7.9							0	12.2	0.2	0	15.6	0.3	0	13.8	1.8	0	13.0	6.3	0	10.5	13.1	0	9.2	14.2
52.5	15	6.8	12.8	0	8.5	19.3	1	9.7	15.0	2	10.9	7.9							0	12.2	0.2	0	15.6	0.4	0	13.8	1.8	0	13.0	6.1	0	10.5	12.9	0	9.7	12.1
55.8	15	7.1	12.1	0	8.4	19.3	1	9.7	15.0	2	10.9	7.9							0	12.2	0.2	0	15.6	0.4	0	13.7	1.8	0	13.0	6.0	0	10.5	12.6	0	10.0	11.7
59.0	15	6.3	13.2	0	8.4	19.2	1	9.7	15.0	2	10.9	7.9	No readings taken			No readings taken			0	12.2	0.2	0	15.6	0.4	0	13.7	1.8	0	12.9	5.9	0	10.6	12.0	0	10.1	10.0
62.3	20	6.4	13.2	0	8.4	19.2	0	9.7	15.0	3	10.8	7.9							0	12.1	0.2	0	15.6	0.4	0	13.7	1.7	0	12.9	5.8	0	10.5	11.8	0	10.2	9.0
65.6	15	6.4	13.2	0	8.4	19.2	1	9.7	15.0	3	10.8	7.9							0	12.1	0.2	0	15.6	0.4	0	13.7	1.7	0	12.9	5.7	0	10.6	11.6	0	10.3	8.7
68.9	15	6.1	12.5	0	8.4	19.2	1	9.6	15.0	3	10.8	7.9							0	12.1	0.2	0	15.5	0.4	0	13.7	1.7	0	12.9	5.7	0	10.6	11.4	0	10.3	8.6
72.2	16	6.1	12.1	0	8.3	19.2	1	9.6	15.0	3	10.8	7.9							0	12.1	0.2	0	15.5	0.4	0	13.6	1.7	0	12.9	5.6	0	10.7	11.4	0	10.3	8.4
75.4	15	6.5	10.5	3	8.3	19.1	0	9.6	15.0	3	10.8	7.9							0	12.1	0.2	0	15.6	0.4	0	13.6	1.7	0	12.9	5.5	0	11.0	10.8	0	10.3	8.3
78.7	15	6.1	10.4	5	8.2	19.0	1	9.6	15.0	3	10.8	7.9							0	12.0	0.2	0	15.5	0.4	0	13.6	1.8	0	12.9	5.3	0	11.1	10.0	0	10.4	8.5
82.0	16	6.1	10.4	4	8.2	18.4	1	9.6	15.0	3	10.8	7.9							0	12.0	0.2	0	15.5	0.4	0	13.6	1.7	0	12.8	5.2	0	11.0	9.9	0	10.5	8.2
83.6				0	3.2	13.5																														
85.3	15	6.1	9.5	0	3.2	12.9	1	9.6	15.0	3	10.8	7.9							0	12.0	0.2	0	15.5	0.4	0	13.5	1.7	0	12.7	5.2	0	11.1	9.3	0	10.4	8.2
86.9				0	3.1	12.0																														
88.6	15	6.1	9.5	0	2.9	10.7	1	9.6	15.0	3	10.7	7.9							0	12.0	0.2	0	15.5	0.4	0	13.5	1.7	0	12.7	5.1	0	10.9	9.0	0	10.4	8.2
91.8	15	6.1	9.4	0	2.7	10.2	1	9.5	15.0	3	10.7	7.9							0	12.0	0.2	0	15.5	0.4	0	13.5	1.7	0	12.7	5.1	0	10.9	8.8	0	10.4	8.2
95.1	16	6.1	9.4	0	2.3	9.8	2	9.5	15.0										0	12.0	0.2	0	15.5	0.4	0	13.5	1.7	0	12.7	4.8	0	10.8	8.8	0	10.4	8.1
98.4				0	2.4	9.5	1	9.5	15.0										0	12.0	0.2	0	15.4	0.4	0	13.5	1.7	0	12.6	4.6	0	10.8	8.7	0	10.4	8.1
101.7				0	3.1	9.5	2	9.5	15.0										0	11.9	0.3	0	15.4	0.4	0	13.5	1.7	0	12.5	4.6	0	10.7	8.7	0	10.4	8.1
105.0				147	3.1	9.5													0	11.5	0.5	0	15.4	0.4	0	13.4	1.7	0	12.4	4.6				0	10.4	8.0
108.2																			0	11.5	0.5				0	13.4	1.7									
																			0	11.4	0.5															

Table D-10
OU5C – Water Quality Field Parameters

EAST

Water Depth (feet)	August 2006 Turbid NTU	August 2006 DO mg/l	August 2006 Temp °C	September 2006 Turbid NTU	September 2006 DO MG/l	September 2006 Temp °C	October 2006 Turbid NTU	October 2006 DO MG/l	October 2006 Temp °C	November 2006 Turbid NTU	November 2006 DO MG/l	November 2006 Temp °C
3.3	15	8.4	19.7	0	9.3	20.4	1	10.9	15.3	1	11.2	8.0
6.6	15	8.3	19.7	0	9.5	19.8	1	10.9	15.2	1	11.2	8.0
9.8	15	8.3	19.7	0	9.3	19.7	1	10.8	15.1	1	11.2	8.0
13.1	15	8.3	19.7	0	9.1	19.6	0	10.7	15.1	2	11.2	8.0
16.4	15	8.3	19.7	0	9.0	19.6	1	10.5	15.0	1	11.1	8.0
19.7	15	8.3	19.7	0	8.5	19.9	1	10.4	15.0	1	11.1	8.0
23.0	15	8.3	19.7	0	8.5	19.9	1	10.3	15.0	1	11.1	8.0
26.2	15	8.2	19.7	0	8.4	19.5	1	10.2	14.9	1	11.1	8.0
29.5	15	8.2	19.4	0	8.4	19.5	1	10.1	14.9	1	11.1	8.0
32.8	15	8.1	18.3	0	8.4	19.5	1	10.0	14.9	1	11.0	8.0
36.1	15	7.6	18.0	0	8.4	19.5	1	10.0	14.9	2	11.0	8.0
39.4	15	7.4	17.9	0	8.4	19.5	1	10.0	14.9	2	11.0	8.0
42.6	15	7.5	17.8	0	8.5	19.5	1	9.9	14.9	2	11.0	8.0
45.9	16	7.3	17.8	0	8.3	19.5	1	9.9	14.9	2	11.0	8.0
49.2	16	7.3	17.8	0	8.3	19.5	2	9.9	14.9	1	11.0	8.0
52.5	16	7.0	15.8	0	8.4	19.5	1	9.8	14.9	2	10.9	8.0
55.8	15	6.5	13.4	0	8.4	19.5	1	9.8	14.8	2	10.9	8.0
59.0	15	6.3	13.3	0	8.5	19.5	1	9.7	14.8	2	10.9	8.0
62.3	20	6.4	13.2	0	8.5	19.4	1	9.6	14.8	2	10.9	8.0
65.6	15	6.4	13.2	0	8.5	19.4	1	9.6	14.8	2	10.9	8.0
68.9	15	6.1	12.5	0	8.5	19.4	1	9.5	14.8	2	11.0	8.0
72.2	16	6.1	12.1	0	8.5	19.4	1	9.8	14.8	2	10.8	8.0
75.4	15	6.5	10.5	0	8.5	18.7	1	9.5	14.8	3	10.8	8.0
78.7	15	6.1	10.4	1	7.3	18.3	1	9.5	14.8	3	10.8	8.0
82.0	16	6.1	10.4	6	6.9	17.3	1	9.4	14.7	3	10.7	8.0
83.6				8	5.9	16.3						
85.3	15	6.1	9.5	10	4.3	15.3	1	9.4	14.7	3	10.7	8.0
86.9				1	3.1	13.2						
88.6	15	6.1	9.5	0	1.8	12.5	1	9.4	14.7			
91.8	15	6.1	9.4	0	1.3	10.6	1	9.4	14.7			
95.1	16	6.1	9.4	0	1.5	10.6	1	9.4	14.7			
98.4				0	1.6	10.5	1	9.4	14.7			
101.7				0	1.7	10.5	1	9.4	14.6			
105.0				0	1.7	10.4	1	9.3	14.6			
108.2				196	1.7	10.4	2	9.3	14.5			

Water Depth (feet)	December 2006 Turbid NTU	December 2006 DO MG/l	December 2006 Temp °C	January 2007 Turbid NTU	January 2007 DO MG/l	January 2007 Temp °C	February 2007 Turbid NTU	February 2007 DO MG/l	February 2007 Temp °C	March 2007 Turbid NTU	March 2007 DO MG/l	March 2007 Temp °C
3.3	No readings taken			No readings taken			123	12.4	0.1	No readings taken		
6.6							86	12.4	0.1			
9.8							77	12.4	0.1			
13.1							58	12.3	0.1			
16.4							45	12.3	0.1			
19.7							34	12.3	0.1			
23.0							0	12.3	0.1			
26.2							0	12.3	0.1			
29.5							0	12.3	0.1			
32.8							0	12.3	0.1			
36.1							0	12.2	0.1			
39.4							0	12.2	0.1			
42.6							0	12.2	0.1			
45.9							0	12.2	0.2			
49.2							0	12.2	0.2			
52.5							0	12.2	0.2			
55.8							0	12.1	0.2			
59.0							0	12.1	0.2			
62.3							0	11.9	0.2			
65.6							0	11.6	0.3			
68.9							0	11.5	0.3			
72.2							0	11.4	0.3			
75.4							0	11.3	0.4			
78.7							0	11.2	0.4			
82.0							0	11.2	0.4			
83.6												
85.3							0	11.2	0.4			
86.9												
88.6							0	11.1	0.4			
91.8							0	11.0	0.5			
95.1							0	10.8	0.6			
98.4							0	10.5	0.7			
101.7							0	10.3	0.7			
105.0							0	10.2	0.7			
108.2							0	10.1	0.7			
							0	10.1	0.7			
							0	10.1	0.8			

Water Depth (feet)	April 2007 Turbid NTU	April 2007 DO MG/l	April 2007 Temp °C	May 2007 Turbid NTU	May 2007 DO MG/l	May 2007 Temp °C	June 2007 Turbid NTU	June 2007 DO MG/l	June 2007 Temp °C	July 2007 Turbid NTU	July 2007 DO MG/l	July 2007 Temp °C
3.3	0	13.8	2.0	0	13.2	9.2	0	10.8	14.3	0	10.5	22.3
6.6	0	13.9	2.0	0	13.5	8.8	0	10.8	14.0	0	10.6	22.3
9.8	0	13.9	2.0	0	13.5	8.1	0	10.8	13.9	0	10.6	22.2
13.1	0	13.9	2.0	0	13.6	7.6	0	10.7	13.9	0	10.6	22.1
16.4	0	13.9	2.0	0	13.4	7.3	0	10.7	13.8	0	10.7	21.9
19.7	0	13.8	2.0	0	13.3	6.9	0	10.7	13.7	0	10.7	21.6
23.0	0	13.8	2.0	0	12.9	6.8	0	10.7	13.7	0	10.7	21.3
26.2	0	13.8	2.0	0	12.8	6.7	0	10.7	13.7	0	10.7	21.2
29.5	0	13.8	2.0	0	12.7	6.7	0	10.6	13.7	0	10.6	21.1
32.8	0	13.7	2.0	0	12.5	6.7	0	10.7	13.7	0	10.2	20.0
36.1	0	13.7	2.0	0	12.5	6.7	0	10.6	13.7	0	10.0	19.9
39.4	0	13.7	2.0	0	12.5	6.7	0	10.6	13.7	0	9.6	18.8
42.6	0	13.7	2.0	0	12.5	6.6	0	10.5	13.7	0	8.5	17.2
45.9	0	3.7	2.0	0	12.5	6.6	0	10.5	13.7	0	9.3	12.0
49.2	0	13.6	2.0	0	12.5	6.6	0	10.5	13.7	0	9.6	12.0
52.5	0	13.6	2.0	0	12.5	6.6	0	10.4	13.7	0	10.1	10.7
55.8	0	13.6	2.0	0	12.5	6.6	0	10.4	13.6	0	9.9	9.9
59.0	0	13.6	2.0	0	12.5	6.5	0	10.6	13.0	0	9.9	9.2
62.3	0	13.6	2.0	0	12.5	6.5	0	10.7	12.7	0	9.9	9.0
65.6	0	13.5	2.0	0	12.5	6.5	0	10.7	12.6	0	9.8	8.7
68.9	0	13.5	2.0	0	12.4	6.5	0	10.7	12.2	0	9.7	8.6
72.2	0	13.5	2.0	0	12.4	6.4	0	10.7	12.2	0	9.7	8.5
75.4	0	13.5	2.0	0	12.4	6.4	0	10.6	12.1	0	9.6	8.5
78.7	0	13.5	2.0	0	12.4	6.4	0	11.1	11.0	0	9.5	8.5
82.0	0	13.4	2.0	0	12.4	6.4	0	11.0	10.1	0	9.4	8.4
83.6												
85.3	0	13.4	2.0	0	12.4	6.4	0	10.4	9.4	0	9.4	8.5
86.9												
88.6	0	13.4	2.0	0	12.4	6.3	0	10.5	8.8	0	9.3	8.4
91.8	0	13.4	2.0	0	12.4	6.3	0	10.5	8.8	0	9.3	8.4
95.1	0	13.4	2.0	0	12.4	6.3	0	10.5	8.8	0	9.1	8.4
98.4	0	13.4	2.0	0	12.3	6.2	0	10.5	8.8	0	9.2	8.4
101.7	0	13.3	2.0	0	12.3	6.2	0	10.5	8.8	2	9.0	8.4
105.0	0	13.3	2.0	0	12.3	6.2	0	10.5	8.7	2	9.0	8.4
108.2	0	13.3	2.0	0	12.3	6.2	1	10.4	8.7			
	0	13.3	2.0									
	0	13.3	2.0									

AVERAGE

August 2006 Turbid NTU	August 2006 DO mg/l	August 2006 Temp °C	September 2006 Turbid NTU	September 2006 DO MG/l	September 2006 Temp °C	October 2006 Turbid NTU	October 2006 DO MG/l	October 2006 Temp °C	November 2006 Turbid NTU	November 2006 DO MG/l	November 2006 Temp °C
16	8.4	20.7	0	8.9	19.3	0	10.8	15.2	2	11.1	8.2
15	6.4	10.3	0	4.3	13.4	1	9.7	14.9	2	10.9	8.2

December 2006 Turbid NTU	December 2006 DO MG/l	December 2006 Temp °C	January 2007 Turbid NTU	January 2007 DO MG/l	January 2007 Temp °C	February 2007 Turbid NTU	February 2007 DO MG/l	February 2007 Temp °C	March 2007 Turbid NTU	March 2007 DO MG/l	March 2007 Temp °C
-	-	-	-	-	-	52	12.4	0.2	0	15.9	0.1
-	-	-	-	-	-	0	12.1	0.2	0	15.7	0.4

April 2007 Turbid NTU	April 2007 DO MG/l	April 2007 Temp °C	May 2007 Turbid NTU	May 2007 DO MG/l	May 2007 Temp °C	June 2007 Turbid NTU	June 2007 DO MG/l	June 2007 Temp °C	July 2007 Turbid NTU	July 2007 DO MG/l	July 2007 Temp °C
0	13.9	1.9	0	13.0	9.4	0	10.7	14.3	0	10.2	21.4
0	13.7	1.9	0	12.9	6.3	0	10.6	12.6	0	9.8	11.7

Notes:

YELLOW CELLS = depths from which samples were collected from SURFACE WATER LAYER for chemical analysis; if two adjacent water depths are highlighted, samples were collected between the two depths.

BLUE CELLS = depths from which samples were collected from DEEP WATER LAYER for chemical analysis; if two adjacent water depths are highlighted, samples were collected between the two depths.

APPENDIX E

FISH TISSUE LABORATORY ANALYTICAL REPORTS (PACE ANALYTICAL)

SDMS US EPA Region V

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APPENDIX F

FISH TISSUE DATA VALIDATION REPORTS (MAKUEHL)

MAKuehl Co.

TECHNICAL MEMORANDUM

DATE: March 28, 2008

TO: George Hicks
Project Manager
Shaw Environmental & Infrastructure, Inc.

FROM: Marcia A. Kuehl
President/Owner
MAKuehl Company

SUBJECT: Data Validation for Lower Fox River Operable Units and Lake Winnebago Sampling Events of August 2006-October 2007
Shaw Environmental & Infrastructure, Inc. Project # : 108876

1.0 OVERVIEW

Analytical results for the samples listed in Table 1 and their associated laboratory QC samples collected from the Lower Fox River OU 4 and Lake Winnebago have been evaluated using the EPA guidance documents "National Functional Guidelines for Organic Data Review", dated October 1999, EPA-540/R-99/008, and the "National Functional Guidelines for Inorganic Data Review", dated July, 2002, EPA-540/R-01-008.

The specific calibration and laboratory QC check requirements contained in the "Lower Fox River Operable Units 2-5 Pre-Design Sampling Plan" dated June 29, 2004 (SAP) were the primary criteria used in the assessment of the data for compliance with the project data quality objectives. The review was based on the data packages supplied by the analytical laboratories, Pace, located in Kimberly and Green Bay, Wisconsin.

All Aroclor data as reported by Pace was acceptable for use, or acceptable for use but qualified as estimated. Aroclor 1268 in samples 4202-07N and 4202-07Q were estimated from quantification against a single point standard. Aroclor 1254 and Aroclor 1260 in 4063-51B/4063-51BX was estimated from greater imprecision than the DQO.

All mercury data was useable as reported without qualification.

All qualifiers assigned during the data validation process are discussed in detail below. The validated data sheets are attached, and the checklist used during the validation are in Appendix A.

2.0 PCB AS AROCLORS DATA

Pace utilized the "Fox River Method" as developed from EPA SW846 reference methods 3541 and 8082 for analysis with automated soxhlet extraction on the air dried sample, acid clean-up and sulfur clean-up using copper for solid samples as specified in their Standard Operating Procedure K-SVO-77, Revision No. 3 dated June 24, 2004. Biota samples were extracted and analyzed using EPA

SW846 reference methods 3540C and 8082. No significant deviations from these reference methods or SOP was apparent from the documentation reviewed. No action was needed to qualify sample data.

2.1 Completeness Assessment

The data packages received for PCB analysis did not require any follow-up with Pace to enable data validation.

2.2 Compliance Assessment

2.2.1 Holding Times/Preservation

All samples were received at Pace on ice. No notation of receipt temperature in exceedance of 2-6°C was noted for any samples analyzed for PCBs. All SDGs contained temperature blanks shipped with them and all were within 2-6°C .No action was needed to qualify sample data.

Samples were air dried within 14 days after collection. After extraction all samples were analyzed within 40 days. No action was needed to qualify sample data.

2.2.2 Initial Calibration (ICAL)

Five point initial calibration curves ranging from 0.1-1.0 ug/ml for Aroclor 1016/1260, 1242 and 1254 were analyzed on both columns, RTX-CLP (primary quantitation column) and RTX-CLP2 (confirmation column) on 4/24/07, 6/6/07 and 7/17/07. The rsd values measured for each peak were less than the 20 % data validation criteria. No action was taken to qualify sample data based on initial calibration results.

Aroclor 1268 was reported in two samples (4202-07N and 4202-07Q) and was quantified based on a one point calibration standard at 0.5 ug/mL. These samples contained both Aroclor 1260 and 1268. Aroclor 1260 was quantified against peaks in the Aroclor 1268 standard that are indicative of Aroclor 1260. Pace qualified the Aroclor 1260 and Aroclor 1268 results quantified against Aroclor 1268 with an "X" qualifier. Aroclor 1268 results quantified against the single point calibration standard in samples 4202-07N and 4202-07Q were estimated with a J code from this less than multiple point calibration curve.

2.2.3 Calibration Verification (CCAL)

The required method frequency of calibration verification was every 10 samples and at the end of the instrument run was met for every SDG. In all of the SDGs reviewed in Table 1, the CCALs consisted of a 0.3 ug/ml solution of Aroclor 1242 alternating with a 0.3 ug/ml solution of Aroclor 1254. The mean percent difference between the CCAL and ICAL calibration factors for the 4-10 peaks used for identification and quantitation were all less than the 15 % data validation criteria on both the primary quantitation and the confirmation columns. No action was needed to qualify sample data from calibration instability.

2.2.4 Laboratory Blanks

At least one laboratory blank was prepared and extracted with every 20 project samples or less analyzed. No laboratory blanks contained detectable Aroclors above the Method Detection Limit (MDL) of 27 ug/kg.

2.2.5 Surrogate Recoveries

Decachlorobiphenyl (DCB) and tetrachloro-m-xylene (TCX) recoveries in many sediment samples were not useful (i.e. 0 %) , as these samples required dilution. Dilution factors greater than ten result in the surrogate concentration being too low to be detected. No action was taken to qualify sample data in samples with dilution factors greater than or equal to ten.

For sediment samples with dilution factors of less than ten, all surrogate recoveries were within the data validation limits of 60 -140 %. No action was needed to qualify sample data.

For biota samples with dilution factors of less than ten, all surrogate recoveries were within the Pace historical limits of 40 -136 % (TCX) and 47-145% (DCB). No action was needed to qualify sample data.

2.2.6 Matrix Spike (MS)

Matrix spike recoveries of 2 mg/kg Aroclor 1242 and Aroclor 1254 (biota) in the project samples selected for MS analysis were all within the data validation limits of 65 - 135 %. No action was needed to qualify sample data.

2.2.7 Laboratory Duplicate

At least one laboratory duplicate was prepared and analyzed with each SDG, or 20 samples. All Relative Percent Differences (RPD) values were less than the 30 % precision limit in the SAP. No action was needed to qualify sample data.

2.2.8 Laboratory Control Sample (LCS)

At least one Laboratory Control Sample (LCS) was prepared and analyzed with each SDG, or 20 samples. The solid LCS consisted of 10 grams of a 0 % moisture sample containing 0.5 mg/kg Aroclor 1242. The biota LCS was fortified with Aroclor 1254. All recoveries measured in the LCS were within the data validation limits of 65 - 135 %. No action was needed to qualify sample data based on LCS recoveries.

2.2.8 Detection Limit Attainment

The Method Detection Limit (MDL) of 13 ug/kg was attained in all dry soil samples when accounting for percent solids and dilutions needed to keep the analyte response within the linear calibration range. The MDL of 19 ug/kg wet weight was attained in all biota samples when accounting for dilutions needed to keep the analyte response within the linear calibration range. Sample concentrations greater than the MDL, but less than the Estimated Quantitation Limit (EQL) were qualified by Pace with a J code. These concentrations should be considered estimated as they are

within the region of quantitation associated with less precision.

2.2.9 Verification of Reported Results

Reported sample concentrations were recalculated to check for accuracy. No discrepancies were detected. QC sample results such as RPD, recovery and % difference were also recalculated, but at a 10 % frequency. No discrepancies that were not due to differences in lab instrument software and the validator's calculator significant figure/rounding protocols were found in QC sample results. All values reported for sample results are from the primary column. The analysis on the secondary column was reviewed to assess if the Aroclor pattern(s) were confirmed, and all were.

All reported Aroclors were quantitifed on at least an 5 peak match. Peaks with obvious interferences were not included in the quantitation. The method retention time window criteria of ± 0.05 minutes for a minimum of a 5 peak match for Aroclor identification was met in all samples.

2.3 Field QC Results

No field equipment rinsates were associated with the project samples in Table 1.RPD values for the field duplicate 4063-51B/4063-51BX were as follows:

Aroclor 1242: 22 % RPD
Aroclor 1254: 86 % RPD
Aroclor 1260: 71 % RPD
Total PCBs: 9 % RPD

The SAP data quality objective (DQO) of < 30 % RPD was not met for Aroclor 1254 and Aroclor 1260 in 4063-51B/4063-51BX. Action taken was to qualify Aroclor 1254 and Aroclor 1260 in 4063-51B/4063-51BX as estimated with a J code indicating greater imprecision than the DQO. This imprecision is not unexpected as these concentrations are at or between the MDL and EQL (J qualified) where greater imprecision that above the EQL occurs.

2.4 Data Usability

All Aroclor data as reported by Pace was acceptable for use, or acceptable for use but qualified as estimated. Aroclor 1268 in samples 4202-07N and 4202-07Q were estimated from quantification against a single point standard. Aroclor 1254 and Aroclor 1260 in 4063-51B/4063-51BX was estimated from greater imprecision than the DQO.

3.0 MERCURY DATA

Pace utilized EPA method 7471. No significant deviations from the EPA reference method was apparent from the documentation reviewed. No action was needed to qualify sample data.

3.1 Completeness Assessment

The data package received for mercury analysis was complete. All samples submitted were digested and analyzed. No action was needed to qualify sample data.

3.2 Compliance Assessment

3.2.1 Holding Time/Preservation

All samples were frozen and a holding time was not applicable. No action was needed to qualify mercury sample data based on exceedance of holding time or preservation requirements.

3.2.2 Calibration

The initial instrument calibrations all met method criteria. Continuing calibration checks were performed at least once every 10 samples and were within method limits. No action was needed to qualify sample data.

3.2.3 Laboratory Blanks

Mercury in all blanks were below the Pace MDL . No action was needed to qualify sample data.

3.2.4 Laboratory Control Standard and SRM

A catfish blank spike was used as the LCS and the SRM recovery met Pace's 75-125 % limit. No action was needed to qualify sample data.

3.2.5 Matrix Spike/Matrix Spike Duplicate

MS/MSD recoveries and RPD were all within Pace's limits of 75 - 125 % and < 24 % RPD. No action was needed to qualify sample data.

3.3 Field QC Results

No field blanks or duplicates were collected with the validated samples. No action was taken to qualify sample data.

3.4 Data Usability

All mercury data was useable as reported without qualification.

If you have any questions regarding the qualification of data or the data validation process/criteria used, please contact me at (920) 469-9113.

Attachments:

Table 1
Validated hard copy Data Sheets
Appendix A: Data Validation Checklists

Table 1 OU 4 Laboratory Data Received by MAKuehl Company

LAB(S)	SDG#	Date Rec'd by MAKCO	Matrix	Field Sample ID	Field Collection Date	Lab sample ID	Analytes for validation	Missing Info date lab/PM contacted	Date DV report out	Makco Invoice #
Pace	889196C	Dec 2007	sediment	4106-01D	10/1/2007	889196-041	PCBs	none	28-Mar-08	OU423
Pace	889196C	Dec 2007	sediment	4063-51A	10/1/2007	889196-042	PCBs	none	28-Mar-08	OU423
Pace	889196C	Dec 2007	sediment	4063-51B	10/1/2007	889196-043	PCBs	none	28-Mar-08	OU423
Pace	889196C	Dec 2007	sediment field replicate	4063-51BX	10/1/2007	889196-044	PCBs	none	28-Mar-08	OU423
Pace	889196C	Dec 2007	sediment	2104-51C	9/28/2007	889196-045	PCBs	none	28-Mar-08	OU423
Pace	889196C	Dec 2007	sediment	2104-51E	9/28/2007	889196-046	PCBs	none	28-Mar-08	OU423
Pace	889196C	Dec 2007	sediment	2104-51G	9/28/2007	889196-047	PCBs	none	28-Mar-08	OU423
Pace	889196C	Dec 2007	sediment	2104-51H	9/28/2007	889196-048	PCBs	none	28-Mar-08	OU423
Pace	889196C	Dec 2007	sediment	4049-51B	10/1/2007	889196-049	PCBs	none	28-Mar-08	OU423
Pace	889196C	Dec 2007	sediment	4049-51C	10/1/2007	889196-050	PCBs	none	28-Mar-08	OU423
Pace	889196C	Dec 2007	sediment	4049-51D	10/1/2007	889196-051	PCBs	none	28-Mar-08	OU423
Pace	889196C	Dec 2007	sediment	4049-51E	10/1/2007	889196-052	PCBs	none	28-Mar-08	OU423
Pace	889196C	Dec 2007	sediment	4049-51G	10/1/2007	889196-053	PCBs	none	28-Mar-08	OU423
Pace	889196C	Dec 2007	soil	4092-13SS	10/2/2007	889308-001	PCBs	none	28-Mar-08	OU423
Pace	889196C	Dec 2007	soil	4092-17SS	10/2/2007	889308-002	PCBs	none	28-Mar-08	OU423
Pace	889196C	Dec 2007	soil	4062-51SS	10/2/2007	889308-003	PCBs	none	28-Mar-08	OU423
Pace	889196C	Dec 2007	soil	4083-01SS	10/2/2007	889308-004	PCBs	none	28-Mar-08	OU423
Pace	889196C	Dec 2007	soil	4902-02SS	10/2/2007	889308-005	PCBs	none	28-Mar-08	OU423
Pace	889196C	Dec 2007	soil	4066-01SS	10/2/2007	889308-006	PCBs	none	28-Mar-08	OU423
Pace	889196C	Dec 2007	soil	4029-03B	9/27/2007	889308-007	PCBs	none	28-Mar-08	OU423
Pace	888889	Dec 2007	sediment	4202-06K	9/24/2007	888889-017	PCBs	none	28-Mar-08	OU423
Pace	888889	Dec 2007	sediment	4202-06N	9/24/2007	888889-018	PCBs	none	28-Mar-08	OU423
Pace	888889	Dec 2007	sediment	4202-06Q	9/24/2007	888889-019	PCBs	none	28-Mar-08	OU423
Pace	888889	Dec 2007	sediment	4202-06R	9/24/2007	888889-020	PCBs	none	28-Mar-08	OU423
Pace	888889	Dec 2007	sediment	4202-06S	9/24/2007	888889-021	PCBs	none	28-Mar-08	OU423
Pace	888889	Dec 2007	sediment	4202-06T	9/24/2007	888889-022	PCBs	none	28-Mar-08	OU423
Pace	888889	Dec 2007	sediment	4202-07D	9/24/2007	888889-023	PCBs	none	28-Mar-08	OU423
Pace	888889	Dec 2007	sediment	4202-07G	9/24/2007	888889-024	PCBs	none	28-Mar-08	OU423
Pace	888889	Dec 2007	sediment	4202-07K	9/24/2007	888889-025	PCBs	none	28-Mar-08	OU423
Pace	888889	Dec 2007	sediment	4202-07N	9/24/2007	888889-026	PCBs	none	28-Mar-08	OU423
Pace	888889	Dec 2007	sediment	2103-51SS	9/24/2007	888889-027	PCBs	none	28-Mar-08	OU423
Pace	888889	Dec 2007	sediment	4201-06SS	9/24/2007	888889-028	PCBs	none	28-Mar-08	OU423
Pace	888889	Dec 2007	sediment	4202-06SS	9/24/2007	888889-029	PCBs	none	28-Mar-08	OU423
Pace	888889	Dec 2007	sediment	4202-07SS	9/24/2007	888889-030	PCBs	none	28-Mar-08	OU423
Pace	888889	Dec 2007	sediment	2104-51SS	9/24/2007	888889-031	PCBs	none	28-Mar-08	OU423
Pace	888889	Dec 2007	sediment	4202-07Q	9/24/2007	888889-032	PCBs	none	28-Mar-08	OU423
Pace	881816	Dec 2007	biota	OU2C-06-GS-C5	8/28/2007	881816-079	PCBs	none	28-Mar-08	OU423
Pace	881816	Dec 2007	biota	LWB-06-CA-C1	9/13/2006	881817-059	PCBs	none	28-Mar-08	OU423
Pace	881816	Dec 2007	biota	LWB-06-CA-C2	9/13/2006	881817-060	PCBs	none	28-Mar-08	OU423
Pace	881816	Dec 2007	biota	LWB-06-CA-C3	8/29/2006	881817-061	PCBs	none	28-Mar-08	OU423
Pace	881816	Dec 2007	biota	LWB-06-CA-C4	9/13/2006	881817-062	PCBs	none	28-Mar-08	OU423
Pace	881816	Dec 2007	biota	LWB-06-CA-C5	9/13/2006	881817-063	PCBs	none	28-Mar-08	OU423
Pace	881816	Dec 2007	biota	LWBR-06-CA-C3	9/1/2006	881817-064	PCBs	none	28-Mar-08	OU423
Pace	881816	Dec 2007	biota	LWB-06-DR-C1	8/28/2006	881817-065	PCBs	none	28-Mar-08	OU423
Pace	881816	Dec 2007	biota	LWB-06-DR-C2	8/28/2006	881817-066	PCBs	none	28-Mar-08	OU423
Pace	881816	Dec 2007	biota	LWB-06-DR-C3	8/28/2006	881817-067	PCBs	none	28-Mar-08	OU423
Pace	881816	Dec 2007	biota	LWB-06-DR-C4	8/28/2006	881817-068	PCBs	none	28-Mar-08	OU423
Pace	881816	Dec 2007	biota	LWB-06-DR-C5	8/28/2006	881817-069	PCBs	none	28-Mar-08	OU423
Pace	881816	Dec 2007	biota	LWBR-06-DR-C3	8/28/2006	881817-070	PCBs	none	28-Mar-08	OU423
Pace	881816	Dec 2007	biota	LWB-06-GS-C1	9/13/2006	881817-071	PCBs	none	28-Mar-08	OU423
Pace	881816	Dec 2007	biota	LWB-06-GS-C2	8/28/2006	881817-072	PCBs	none	28-Mar-08	OU423
Pace	881816	Dec 2007	biota	LWB-06-GS-C3	8/28/2006	881817-073	PCBs	none	28-Mar-08	OU423
Pace	881816	Dec 2007	biota	LWB-06-GS-C4	9/30/2006	881817-074	PCBs	none	28-Mar-08	OU423
Pace	881816	Dec 2007	biota	LWB-06-GS-C5	10/1/2006	881817-075	PCBs	none	28-Mar-08	OU423
Pace	881816	Dec 2007	biota	LWBR-06-GS-C4	9/30/2006	881817-076	PCBs	none	28-Mar-08	OU423
Pace	884934	Dec 2007	biota	OU4-06-SB-001	10/30/2006	877943-001	PCBs	none	28-Mar-08	OU423
Pace	884934	Dec 2007	biota	OU4-06-SB-002	10/30/2006	877943-002	PCBs	none	28-Mar-08	OU423
Pace	884934	Dec 2007	biota	OU4-06-SB-003	10/30/2006	877943-003	PCBs	none	28-Mar-08	OU423
Pace	884934	Dec 2007	biota	OU4-06-SB-004	10/31/2006	878045-001	PCBs	none	28-Mar-08	OU423
Pace	884934	Dec 2007	biota	OU4-07-SB-002	6/13/2007	884898-018	PCBs	none	28-Mar-08	OU423

Table 1 OU 4 Laboratory Data Received by MAKuehl Company

LAB(S)	SDG#	Date Rec'd by MAKCO	Matrix	Field Sample ID	Field Collection Date	Lab sample ID	Analytes for validation	Missing Info date lab/PM contacted	Date DV report out	Makco Invoice #
Pace	884934	Dec 2007	biota	OU4-07-SB-003	6/13/2007	884898-019	PCBs	none	28-Mar-08	OU423
Pace	884934	Dec 2007	biota	OU4-07-SB-004	6/14/2007	884934-001	PCBs	none	28-Mar-08	OU423
Pace	884934	Dec 2007	biota	OU4-07-SB-005	6/14/2007	884934-002	PCBs	none	28-Mar-08	OU423
Pace	884934	Dec 2007	biota	OU4-07-SB-006	6/14/2007	884934-003	PCBs	none	28-Mar-08	OU423
Pace	884934	Dec 2007	biota	OU4-07-SB-007	6/14/2007	884934-004	PCBs	none	28-Mar-08	OU423
Pace	884934	Dec 2007	biota	OU4-07-SB-008	6/19/2007	885103-001	PCBs	none	28-Mar-08	OU423
Pace	884934	Dec 2007	biota	OU4-07-SB-009	6/19/2007	885103-002	PCBs	none	28-Mar-08	OU423
Pace	884934	Dec 2007	biota	OU4-07-SB-010	6/19/2007	885103-003	PCBs	none	28-Mar-08	OU423
Pace	884934	Dec 2007	biota	OU4-07-SB-012	6/19/2007	885103-005	PCBs	none	28-Mar-08	OU423
Pace	884934	Dec 2007	biota	OU4-07-SB-013	6/19/2007	885103-006	PCBs	none	28-Mar-08	OU423
Pace	884934	Dec 2007	biota	OU4-07-SB-014	6/27/2007	885464-001	PCBs	none	28-Mar-08	OU423
Pace	884934	Dec 2007	biota	OU4-07-SB-015	6/27/2007	885464-002	PCBs	none	28-Mar-08	OU423
Pace	884934	Dec 2007	biota	OU4-07-SB-016	6/27/2007	885464-003	PCBs	none	28-Mar-08	OU423
Pace	884934	Dec 2007	biota	OU4-07-SB-017	6/27/2007	885464-004	PCBs	none	28-Mar-08	OU423
Pace	875477B	Dec 2007	biota	OU-2C-06-WA-001	8/25/2006	875477-022	PCBs, mercury	none	28-Mar-08	OU423
Pace	875477B	Dec 2007	biota	OU-2C-06-WA-002	8/25/2006	875477-023	PCBs, mercury	none	28-Mar-08	OU423
Pace	875477B	Dec 2007	biota	OU2C-06-WA-007	8/28/2006	875517-001	PCBs, mercury	none	28-Mar-08	OU423
Pace	875477B	Dec 2007	biota	OU2C-06-WA-011	8/28/2006	875517-002	PCBs, mercury	none	28-Mar-08	OU423
Pace	875477B	Dec 2007	biota	OU2C-06-WA-008	8/28/2006	875517-003	PCBs, mercury	none	28-Mar-08	OU423
Pace	875477B	Dec 2007	biota	OU2C-06-WA-010	8/28/2006	875517-004	PCBs, mercury	none	28-Mar-08	OU423
Pace	875477B	Dec 2007	biota	OU2C-06-WA-009	8/28/2006	875517-005	PCBs, mercury	none	28-Mar-08	OU423
Pace	875477B	Dec 2007	biota	OU2C-06-WA-006	8/28/2006	875517-011	PCBs, mercury	none	28-Mar-08	OU423
Pace	875477B	Dec 2007	biota	OU2C-06-WA-005	8/26/2006	875517-014	PCBs, mercury	none	28-Mar-08	OU423
Pace	875477B	Dec 2007	biota	OU2C-06-WA-004	8/26/2006	875517-017	PCBs, mercury	none	28-Mar-08	OU423
Pace	875477B	Dec 2007	biota	OU2C-06-WA-003	8/26/2006	875517-022	PCBs, mercury	none	28-Mar-08	OU423
Pace	875477B	Dec 2007	biota	OU2C-06-WA-016	9/9/2006	875933-001	PCBs, mercury	none	28-Mar-08	OU423
Pace	875477B	Dec 2007	biota	OU2C-06-WA-015	9/9/2006	875933-002	PCBs, mercury	none	28-Mar-08	OU423
Pace	875477B	Dec 2007	biota	OU2C-06-WA-014	9/9/2006	875933-003	PCBs, mercury	none	28-Mar-08	OU423
Pace	875477B	Dec 2007	biota	OU2C-06-WA-012	9/9/2006	875933-004	PCBs, mercury	none	28-Mar-08	OU423
Pace	875477B	Dec 2007	biota	OU2C-06-WA-013	9/9/2006	875933-005	PCBs, mercury	none	28-Mar-08	OU423

MAKUEHL CO.

DATA VALIDATION CHECKLIST

Project: Lower Fox River W2.5

Client: Shaw
Laboratory: Pace
Location: Kimberly / Green Bay

SDGs 875477, 875477B, 875477B, ~~108826~~
889196C, 884934, 888589, 881816

Sample IDs: see report Table 1

SAMPLE MATRIX:
BIOTA, SEDIMENT, SOIL

Dates SDGs received:
December 2007

Analytes validated: PCBs, Hg

Qualifiers added:

NOTES:

DATA REPORT

ITEM	YES	NO	COMMENTS
Do sample numbers match field records?	X		
Is QC data reported?	X		
Were correct units (on a dry weight basis) used?	X		Units: ug/Kg dry (sediment) % lipids
Are RLs, LOD, LOQ in report traceable to QAPP/SAP? (78 ppm TOC, 100 ppb PCBs)	X		Adjusted for: dilution, % solids
Was data package received under custody?	X		Documentation: sealed box
Were completed sample results checked by lab QAM, PM?	X		How tracked: signature
Were any anomalies noted in narrative?		X	Data quality effects:
Was lab LIMS entry accurate/matched chain?	X		Discrepancies:
All internal QC data included in package (MS/MSD, blanks, calibration)?	X		Data gaps:
Are any additional codes used that are specific to this lab?	X		List: X
Were sig figs reported appropriate?	X		Number reported: 2 least sensitive variable sig figs: 2
Were elevated DLs reported and reason in narrative?	X		
Was data < RL but > MDL reported and qualified with J?	X		
Was any data invalidated (R code)?		X	# datapoints R: #datapoints reported:

DOCUMENTATION

ITEM	YES	NO	COMMENTS
Was field collection information recorded completely on chain of custody (date/time, type, analysis required, preservative added)?	X		
Were samples received at the lab at 2 – 6 C?	X		
Was a temperature blank included and at 2 – 6 C?		X	
Was custody chain traceable with no gaps?	X		~~Breakage:~~
Were samples collected in containers as in QAPP?	X		
Are applicable surrogate standards used recorded and traceable to Standards Preparation logbook?	X		Date prepped: Expiration date:
Is the Aroclor ~~and TOC titrant~~ solutions used for calibration recorded and traceable to Standards Preparation logbook?	X		Date prepped: Expiration date: all on
Is the LCS stock used recorded and traceable to the Standards Preparation logbook?	X		Date prepped: Expiration date:
Is the matrix spike solution used recorded and traceable to the Standards Preparation logbook?	X		Date prepped: Expiration date:
Did the sample batch contain up to 20 samples and QC?	X		
Were deliverables as listed in QAPP contained in data package?	X		Documents needed:
Was there evidence of periodic review of the analytical logs by lab QAM?	X		
Were any deviations from the QAPjP/SOPs for this batch noted?		X	Deviations:
If deviations noted, was corrective action documented and taken?	X		
Is the amount of surrogate and MS spike added recorded?	X		

ANALYTICAL PROCEDURE

ITEM	YES	NO	COMMENTS
Were the SOPs as cited in the QAPP/SAP followed?	X		
Were holding times as listed in QAPP/SAP met?	X		Deviations:
Were samples air dried for ≥ 2 days to < 5 % moisture prior to extraction and analysis?	X		
Was any notation of debris removed included?		X	
Was RT window used for analyte ID ± 0.05 min?	X		
Was Aroclor initial calibration done for 1242 and 1254 (n=5) in accordance with QAPP/SOP?	X		ICAL date: 4/24/07, 7/17/07, 6/6/07 N= 5 Concentrations: CALFILE ID: 42403.d, 717024.d, 60625.d
Was Soxtherm extraction done on an air-dried sample?	X		Sample weight used: Extraction time:
Were Aroclors other than 1242, 1254 reported in samples? If yes, was 5 point ICAL done?		X	Documentation: 1268 - 1pt ICAL
Was Aroclor ICAL rsd ≤ 20% for each peak?	X		
Was Aroclor CCAL done every 10 samples?	X		CCAL solutions/conc used:
Was CCAL RT within = 0.03 min of ICAL mean RT?	X		
Was florisil or GPC clean up done?	X		Documentation: biotr-florisil
Was sulfur removed?	X		Documentation:
Was acid cleanup done?	X		Documentation:
Was mean Aroclor CCAL ≤ 15 % from ICAL?	X		
Were all Aroclor detects confirmed on second column?	X		Column used for quant: Column used for confirmation:
Did ending CCAL meet < 15 % ?	X		

QC RESULTS

ITEM	YES	NO	COMMENTS
Were surrogates recovered within QAPP/SAP limits of 60-140 % in samples with DF ≤ 10?	X		Exceptions:
Were MS recoveries within 65-135 % for Aroclor 1242?	X		Exceptions:
Was method blank extracted and analyzed with each SDG or 20 samples?	X		
Was MS Aroclor 1242 spike level 10 – 100 X RL?	X		Spike conc:
Were any detects above MDL,LOD or RL reported in PCB method blanks?		X	Detects:
Were all TOC lab blanks less than RL (78 ppm) or if not, were all samples > 20 X MB?	NA		Exceptions:
Was TOC lab duplicate RPD < 30 % ?			Sample used:
Was lab duplicate analyzed every 10 samples for % solids and TOC?			Sample used:
Was TOC field duplicate RPD < 30 % ?			RPDs:
Was LCS/LCSD for TOC RPD < 20 %?			Exceptions:
Was LCS/LCSD for TOC analyzed with every 20 samples and in 90 – 110 %?	✓		LCS/LCSD conc:
Was % solids RPD within lab limit (< 14% RPD) ?	X		Exceptions:
Was a PCB LCS extracted and analyzed with each SDG?	X		Exceptions: LCS conc:
Were LCS recoveries within 65 – 135 % ?	X		Exceptions:
If LCS out of limits, was entire batch re-extracted and re-analyzed?	NA		
Was a lab duplicate analyzed with the samples for Aroclors?	X		Sample ID used:
Was PCB field duplicate RPD < 30 % ? 4563-51B/BX		X	Duplicate RPDs: 770 ug/kg 1242 <38 1254 <38 1260 580 1242 .96 1254 18 1260 1242: 22% RPD 1254: 86% 1260: 71% TOTAL: 770/700 = 9%

APPENDIX G

WATER QUALITY LABORATORY ANALYTICAL REPORTS (TESTAMERICA)

SDMS US EPA Region V

Imagery Insert Form

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APPENDIX G (SEE CD)

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APPENDIX H

WATER QUALITY DATA VALIDATION REPORTS (MAKUEHL)

MAKuehl Co.

TECHNICAL MEMORANDUM

DATE: October 13, 2006

TO: George Hicks
Project Manager
Shaw Environmental & Infrastructure, Inc.

FROM: Marcia A. Kuehl
President/Owner
MAKuehl Company

SUBJECT: Data Validation for Lower Fox River OU 4
Sampling Event of September 7, 2006
Shaw Environmental & Infrastructure, Inc. Project # : 122647

1.0 OVERVIEW

Analytical results for the samples listed in Table 1 and their associated laboratory QC samples collected from the Lower Fox River OU 4 on September 7, 2006 have been evaluated using the EPA guidance documents "National Functional Guidelines for Organic Data Review", dated October 1999, EPA-540/R-99/008, and the "National Functional Guidelines for Inorganic Data Review", dated July, 2002, EPA-540/R-01-008.

The specific calibration and laboratory QC check requirements contained in the "Lower Fox River Operable Units 2-5 Pre-Design Sampling Plan" dated June 29, 2004 (SAP) were the primary criteria used in the assessment of the data for compliance with the project data quality objectives. The review was based on the data packages supplied by the analytical laboratory, Pace, located in Kimberly, Wisconsin.

All Aroclor data as reported by Pace was acceptable for use without additional qualification.

All PAH/PNA data as reported by Pace was acceptable for use without additional qualification.

All percent solids data as reported by Pace was acceptable for use without qualification.

All qualifiers assigned during the data validation process are discussed in detail below. The validated data sheets are attached.

2.0 PCB AS AROCLORS DATA

Pace utilized EPA SW 846 methods 3541 and 8082 with acid and sulfur clean-up. No significant deviations from these SOPs were apparent from the documentation reviewed. No action was needed to qualify sample data.

2.1 Completeness Assessment

The data packages received for PCB analysis did not require any follow-up with Pace to enable data validation.

2.2 Compliance Assessment

2.2.1 Holding Times/Preservation

All samples were received at Pace on ice. No notation of receipt temperature in exceedance of 2-6°C was noted for any samples analyzed for PCBs. No action was needed to qualify sample data.

Samples were extracted within 7 days after collection. After extraction all samples were analyzed within 40 days. No action was needed to qualify sample data.

2.2.2 Initial Calibration (ICAL)

A five point initial calibration curve ranging from 0.04-1.0 ug/ml for Aroclor 1016/1260 was analyzed on both columns, RTX-CLP (primary quantitation column) and RTX-CLP2 (confirmation column) on 9/15/06. The rsd values measured for each peak were less than the 20 % data validation criteria. No action was taken to qualify sample data based on initial calibration results.

2.2.3 Calibration Verification (CCAL)

The required method frequency of calibration verification was every 10 samples and at the end of the instrument run was met for every SDG. In the SDG reviewed in Table 1, the CCALs consisted of a 0.3 ug/ml solution of Aroclor 1016/1260. The mean percent difference between the CCAL and ICAL calibration factors for the 4-10 peaks used for identification and quantitation were all less than the 15 % data validation criteria on both the primary quantitation and the confirmation columns, except for the continuing calibration analyzed on 9/18/06, which exhibited a mean of 15.2 % for Aroclor 1260. As the overall mean of both Aroclors 1016 and 1260 was 14.8 %, no action was taken to qualify sample data from calibration instability.

2.2.4 Laboratory Blanks

At least one laboratory blank was prepared and extracted with every 20 project samples or less analyzed. No laboratory blanks contained detectable Aroclors above the Method Detection Limit (MDL) of 27 ug/kg.

2.2.5 Surrogate Recoveries

Decachlorobiphenyl (DCB) and tetrachloro-m-xylene (TCX) recoveries in several soil samples were not useful (i.e. 0 %) , as these samples required dilution. Dilution factors greater than ten result in the surrogate concentration being too low to be detected. No action was taken to qualify sample data in samples with dilution factors greater than or equal to ten.

For soil samples with dilution factors of less than ten, all surrogate recoveries were within the data validation limits of 60 -140 %. No action was needed to qualify sample data.

2.2.6 Matrix Spike (MS)

Matrix spike recoveries of 585 mg/kg Aroclor 1260 in the project sample selected for MS analysis (FRSO-004) were all within the data validation limits of 65 - 135 %. No action was needed to qualify sample data.

2.2.7 Laboratory Duplicate

At least one laboratory duplicate was prepared and analyzed with each SDG, or 20 samples. All Relative Percent Differences (RPD) values were less than the 30 % precision limit in the SAP. No action was needed to qualify sample data.

2.2.8 Laboratory Control Sample (LCS)

At least one Laboratory Control Sample (LCS) was prepared and analyzed with each SDG, or 20 samples. The solid LCS consisted of 10 grams of a 0 % moisture sample containing 0.5 mg/kg Aroclor 1260. Recovery measured was 98 %, within the data validation limits of 65 - 135 %. No action was needed to qualify sample data based on LCS recoveries.

2.2.8 Detection Limit Attainment

The Method Detection Limit (MDL) of 27 ug/kg was attained in all samples when accounting for percent solids and dilutions needed to keep the analyte response within the linear calibration range. Sample concentrations greater than the MDL, but less than the Estimated Quantitation Limit (EQL) were qualified by Pace with a J code. These concentrations should be considered estimated as they are within the region of quantitation associated with less precision.

2.2.9 Verification of Reported Results

Reported sample concentrations were recalculated to check for accuracy. No discrepancies were detected. QC sample results such as RPD, recovery and % difference were also recalculated, but at a 10 % frequency. No discrepancies that were not due to differences in lab instrument software and the validator's calculator significant figure/rounding protocols were found in QC sample results. All values reported for sample results are from the primary column. The analysis on the secondary column was reviewed to assess if the Aroclor pattern(s) were confirmed, and all were.

All reported Aroclors were quantitifed on at least an 5 peak match. Peaks with obvious interferences were not included in the quantitation. The method retention time window criteria of ± 0.05 minutes for a minimum of a 5 peak match for Aroclor identification was met in all samples.

2.3 Field QC Results

No field equipment rinsates were associated with the project samples in Table 1. No action was needed to qualify sample data.

RPD values for the field duplicate of FRSO-017 collected in Table 1 were as follows:

Aroclor 1242	7 % RPD
Aroclor 1254	9 % RPD
Aroclor 1260	8 % RPD
total PCBs	0 % RPD

The SAP data quality objective (DQO) of < 30 % RPD was met for the field duplicate. No action was needed to qualify sample data.

2.4 Data Usability

All Aroclor data as reported by Pace was acceptable for use without additional qualification.

3.0 SELECT 8270C SEMIVOLATILE ORGANICS (PAH/PNA) DATA

Pace utilized the EPA SW846 Method 3545 for sample extraction and Method 8270C-SIM for soil analysis for PAH and PNAs. No deviations from these reference methods were apparent from the data reviewed. No action was needed to qualify sample data.

3.1 Completeness Assessment

The data package received for semivolatile organic analysis was complete.

3.2 Compliance Assessment

3.2.1 Holding Times/Preservation

All soil samples were extracted within 7 days of collection and analyzed within 40 days after extraction. samples were received at Pace within the acceptable temperature range of 2 - 6°C. No action was needed to qualify sample data.

3.2.2 Initial Calibration and Tuning

All decafluorotriphenylphosphine (DFTPP) tuning criteria and frequency for analysis were met each day samples were analyzed. No action was needed to qualify sample data.

An seven point calibration curve ranging from 0.25- 25 ppm was analyzed on 9/14/06. The allowable 30 % relative standard deviation (rsd) criteria for initial calibration was met for all reported semivolatile organic compounds. No action was needed to qualify sample data.

The minimum Relative Response Factor (RRF) of > 0.05 used by EPA Region V for data validation as proof of acceptable system response was met for all semivolatile organic compounds. No action was needed to qualify sample data.

3.2.3 Continuing Calibration

A midpoint standard (10 ppm) was analyzed at the required method frequency on 9/14/06 and 9/15/063/20/03. The percent difference between the initial calibration average RRF and the continuing calibration RRF did not exceed the 25 percent criteria used by EPA Region V for data

validation or the 20 percent criteria in the method. No action was needed to qualify sample data.

The minimum Relative Response Factor (RRF) of > 0.05 used by EPA Region V for data validation as proof of acceptable system response was met for all semivolatile organic compounds. No action was needed to qualify sample data.

3.2.4 Laboratory Blanks

Laboratory method blanks were analyzed at the required frequency (one per every 20 samples of a matrix). No laboratory method blanks contained semivolatile organics above the Pace Method Detection Limit (MDL). No action was needed to qualify sample data.

3.2.5 Surrogate Recoveries

The surrogate recovery limits used for validation were those established by Pace from historical data. No surrogate recoveries in samples exceeded these limits. No action was needed to qualify sample data.

3.2.6 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Recoveries and RPD values in the project sediment sample selected for MS/MSD analysis (FRSO-001) were all within Paces limits and ranged from 54 - 76 %. No action was needed to qualify sample data.

3.2.7 Laboratory Control Standard (LCS) and LCS Duplicate (LCD)

A LCS/LCD was analyzed with each batch of samples. Recoveries and RPD values were all within Paces limits and ranged from 72 - 90 % recovery and 1.0 - 19.2 % RPD. No action was needed to qualify sample data.

3.2.8 Internal Standards

All internal standard areas were within the -50 % to +100 % method and validation limits. All internal standards retention times were within ± 30 seconds of the last calibration standard. No action was needed to qualify sample data.

3.3 Field QC Results

No field blanks were collected with the samples selected for validation. No action was taken to qualify sample data.

RPD values for the field duplicate of FRSO-017 are listed in Table 2. RPD values ranged from 1-39 %. As no data quality objective (DQO) for PAH/PNAs was included in the QAPP, no action was taken to qualify sample data.

3.4 Data Usability

All PAH/PNA data as reported by Pace was acceptable for use without additional qualification.

Sample concentrations greater than the MDL, but less than the Estimated Quantitation Limit (EQL) were qualified by Pace with a J code. These concentrations should be considered estimated as they are within the region of quantitation associated with less precision.

4.0 PERCENT SOLIDS

Soil samples were analyzed by Pace using Standard Methods for the Examination of Water and Wastewater, 15th Edition, method 2540G as specified in their Standard Operating Procedure WCM-10, Revision 4, May, 2000. No significant deviations from the reference method or Pace SOP was apparent from the documentation reviewed. No action was needed to qualify sample data.

4.1 Completeness Assessment

The data packages received for solids analysis were complete. All samples submitted were dried and analyzed.

4.2 Compliance Assessment

4.2.1 Holding Times/Preservation

All samples were received at Pace on ice. No notation of receipt temperature in exceedance of 2-6°C was noted for any samples analyzed for percent solids. Samples were analyzed within 7 days after collection. No action was needed to qualify sample data.

4.2.2 Sample Duplicates

A lab duplicate was prepared for every 20 samples dried. All RPD values or their reanalyses were less than the data validation and SAP DQO limit of 20 % and the Pace limit of 5 %. No action was taken to qualify sample data.

4.2.11 Verification of Reported Results

Reported sample percent solids and lab duplicate RPD values were recalculated to check for accuracy. No discrepancies that were not due to differences in lab instrument software and the validator's calculator significant figure/rounding protocols were found.

4.3 Field QC Results

No field blanks were analyzed for percent solids. No action was needed to qualify sample data.

The field duplicate met the SAP data quality objective (DQO) of < 20 % RPD for percent solids. No action was taken to qualify sample data based on field duplicate precision.

4.4 Data Usability

All percent solids data as reported by Pace was acceptable for use without qualification.

If you have any questions regarding the qualification of data or the data validation process/criteria used, please contact me at (920) 469-9113.

Attachments:

Tables 1, 2
Validated hard copy Data Sheets

Table 1 OU 4 Laboratory Data Received by MAKuehl Company

LAB(S)	SDG#	Date Rec'd by MAKCO	15 day TA Date	Matrix	Field Sample ID	Field Collection Date	Lab sample ID	Analytes for validation	Missing Info date lab/PM contacted	Date DV report out	Makco Invoice #
Pace	875841	10-Oct-06	25-Oct-06	soil	FRSO-001	9/7/2006	875841-001	PCB, PAH	none	13-Oct-06	OU420
Pace	875841	10-Oct-06	25-Oct-06	soil	FRSO-002	9/7/2006	875841-002	PCB, PAH	none	13-Oct-06	OU420
Pace	875841	10-Oct-06	25-Oct-06	soil	FRSO-003	9/7/2006	875841-003	PCB, PAH	none	13-Oct-06	OU420
Pace	875841	10-Oct-06	25-Oct-06	soil	FRSO-004	9/7/2006	875841-004	PCB, PAH	none	13-Oct-06	OU420
Pace	875841	10-Oct-06	25-Oct-06	soil	FRSO-005	9/7/2006	875841-005	PCB, PAH	none	13-Oct-06	OU420
Pace	875841	10-Oct-06	25-Oct-06	soil	FRSO-006	9/7/2006	875841-006	PCB, PAH	none	13-Oct-06	OU420
Pace	875841	10-Oct-06	25-Oct-06	soil	FRSO-007	9/7/2006	875841-007	PCB, PAH	none	13-Oct-06	OU420
Pace	875841	10-Oct-06	25-Oct-06	soil	FRSO-008	9/7/2006	875841-008	PCB, PAH	none	13-Oct-06	OU420
Pace	875841	10-Oct-06	25-Oct-06	soil	FRSO-009	9/7/2006	875841-009	PCB, PAH	none	13-Oct-06	OU420
Pace	875841	10-Oct-06	25-Oct-06	soil	FRSO-010	9/7/2006	875841-010	PCB, PAH	none	13-Oct-06	OU420
Pace	875841	10-Oct-06	25-Oct-06	soil	FRSO-011	9/7/2006	875841-011	PCB, PAH	none	13-Oct-06	OU420
Pace	875841	10-Oct-06	25-Oct-06	soil	FRSO-012	9/7/2006	875841-012	PCB, PAH	none	13-Oct-06	OU420
Pace	875841	10-Oct-06	25-Oct-06	soil	FRSO-013	9/7/2006	875841-013	PCB, PAH	none	13-Oct-06	OU420
Pace	875841	10-Oct-06	25-Oct-06	soil	FRSO-014	9/7/2006	875841-014	PCB, PAH	none	13-Oct-06	OU420
Pace	875841	10-Oct-06	25-Oct-06	soil	FRSO-015	9/7/2006	875841-015	PCB, PAH	none	13-Oct-06	OU420
Pace	875841	10-Oct-06	25-Oct-06	soil	FRSO-016	9/7/2006	875841-016	PCB, PAH	none	13-Oct-06	OU420
Pace	875841	10-Oct-06	25-Oct-06	soil	FRSO-017	9/7/2006	875841-017	PCB, PAH	none	13-Oct-06	OU420
Pace	875841	10-Oct-06	25-Oct-06	soil	FRSO-018	9/7/2006	875841-018	PCB, PAH	none	13-Oct-06	OU420
Pace	875841	10-Oct-06	25-Oct-06	soil	FRSO-019	9/7/2006	875841-019	PCB, PAH	none	13-Oct-06	OU420
Pace	875841	10-Oct-06	25-Oct-06	soil field duplicate	FRSO-017D	9/7/2006	875841-020	PCB, PAH	none	13-Oct-06	OU420

Table 2 Field Duplicate Precision as RPD- Lower Fox River OU4 September 7, 2006

Compound	FRSO-17	Q	FRSO-17D	Q	RPD
Units:	ug/kg		ug/kg		%
1-methylnaphthalene	10		7.2	U	33
2-methylnaphthalene	15		13		14
acenaphthene	8		9.2		-14
acenaphthylene	7.1	U	6.9	U	3
anthracene	25		37		-39
benzo(a)anthracene	62		53		16
benzo(a)pyrene	82		84		-2
benzo(k)fluoranthene	94		87		8
benzo(ghi)perylene	35		48		-31
benzo(b)fluoranthene	69		65		6
chrysene	67		55		20
dibenzo(a,h)anthracene	13		17		-27
fluoranthene	140		120		15
fluorene	8.5	U	8.4		1
indeno(1,2,3-cd)pyrene	34		46		-30
naphthalene	14		10		33
phenanthrene	95		93		2
pyrene	120		100		18

Shaw E & I Inc

Sample ID: LWB-06-0815

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 002	**Work Order #....:**	JC4PJ2AA	**Matrix....:**	WATER
Date Sampled....:	08/15/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.0196	0.000539	ng/L
PCB 2 (BZ)	ND		0.0196	0.000700	ng/L
PCB 3 (BZ)	**0.00146**	**Q J**	**0.0196**	**0.000835**	**ng/L**
PCB 4 (BZ)	**0.00837**	**Q B J U**	**0.0294**	**0.00256**	**ng/L**
PCB 5 (BZ)	ND		0.0196	0.00242	ng/L
PCB 6 (BZ)	**0.00497**	**Q B J U**	**0.0196**	**0.00213**	**ng/L**
PCB 7 (BZ)	**0.00370**	**Q B J U**	**0.0196**	**0.00222**	**ng/L**
PCB 8 (BZ)	**0.0121**	**Q B J U**	**0.0294**	**0.00213**	**ng/L**
PCB 9 (BZ)	ND		0.0196	0.00216	ng/L
PCB 10 (BZ)	**0.00233**	**Q J**	**0.0196**	**0.00236**	**ng/L**
PCB 11 (BZ)	**0.0223**	**Q B J U**	**0.0294**	**0.00232**	**ng/L**
PCB 12 (BZ)	ND		0.0294	0.00227	ng/L
PCB 13 (BZ)	ND		0.0294	0.00227	ng/L
PCB 14 (BZ)	ND		0.0196	0.00191	ng/L
PCB 15 (BZ)	**0.00477**	**Q B J U**	**0.0196**	**0.00264**	**ng/L**
PCB 16 (BZ)	**0.00652**	**J**	**0.0196**	**0.00155**	**ng/L**
PCB 17 (BZ)	**0.00617**	**Q B J U**	**0.0196**	**0.00133**	**ng/L**
PCB 18 (BZ)	**0.00913**	**Q B C J U**	**0.0294**	**0.00112**	**ng/L**
PCB 19 (BZ)	ND		0.0196	0.00148	ng/L
PCB 20 (BZ)	**0.0201**	**B C U**	**0.0196**	**0.00128**	**ng/L**
PCB 21 (BZ)	**0.0120**	**B C J U**	**0.0196**	**0.00127**	**ng/L**
PCB 22 (BZ)	**0.00697**	**Q B J U**	**0.0196**	**0.00136**	**ng/L**
PCB 23 (BZ)	ND		0.0196	0.00137	ng/L
PCB 24 (BZ)	ND		0.0196	0.000985	ng/L
PCB 25 (BZ)	**0.00123**	**Q J**	**0.0196**	**0.00116**	**ng/L**
PCB 26 (BZ)	**0.00348**	**B C J U**	**0.0196**	**0.00130**	**ng/L**
PCB 27 (BZ)	ND		0.0196	0.000923	ng/L
PCB 28 (BZ)	**0.0201**	**B C20 U**	**0.0196**	**0.00128**	**ng/L**
PCB 29 (BZ)	**0.00348**	**B C26 J U**	**0.0196**	**0.00130**	**ng/L**
PCB 30 (BZ)	**0.00913**	**Q B C18 J U**	**0.0294**	**0.00112**	**ng/L**
PCB 31 (BZ)	**0.0145**	**B J U**	**0.0196**	**0.00128**	**ng/L**
PCB 32 (BZ)	**0.00295**	**Q B J U**	**0.0196**	**0.000871**	**ng/L**
PCB 33 (BZ)	**0.0120**	**B C21 J U**	**0.0196**	**0.00127**	**ng/L**
PCB 34 (BZ)	ND		0.0196	0.00135	ng/L
PCB 35 (BZ)	ND		0.0196	0.00141	ng/L
PCB 36 (BZ)	ND		0.0196	0.00138	ng/L

MAN 10-31-06

Shaw E & I Inc

Sample ID: LWB-06-0815

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 002	**Work Order #....:**	JC4PJ2AA	**Matrix....:**	WATER
Date Sampled....:	08/15/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	**0.00598**	**J**	**0.0196**	**0.00141**	**ng/L**
PCB 38 (BZ)	ND		0.0196	0.00133	ng/L
PCB 39 (BZ)	ND		0.0196	0.00126	ng/L
PCB 40 (BZ)	**0.00655**	**B C J U**	**0.0196**	**0.00178**	**ng/L**
PCB 41 (BZ)	**0.00655**	**B C40 J U**	**0.0196**	**0.00178**	**ng/L**
PCB 42 (BZ)	**0.00497**	**Q B J U**	**0.0196**	**0.00185**	**ng/L**
PCB 43 (BZ)	ND		0.0196	0.00165	ng/L
PCB 44 (BZ)	**0.0168**	**B C J U**	**0.0196**	**0.00154**	**ng/L**
PCB 45 (BZ)	ND		0.0196	0.00182	ng/L
PCB 46 (BZ)	ND		0.0196	0.00225	ng/L
PCB 47 (BZ)	**0.0168**	**B C44 J U**	**0.0196**	**0.00154**	**ng/L**
PCB 48 (BZ)	**0.00377**	**B J U**	**0.0196**	**0.00183**	**ng/L**
PCB 49 (BZ)	**0.00677**	**Q B C J U**	**0.0196**	**0.00143**	**ng/L**
PCB 50 (BZ)	ND		0.0196	0.00168	ng/L
PCB 51 (BZ)	ND		0.0196	0.00182	ng/L
PCB 52 (BZ)	**0.0164**	**B J U**	**0.0196**	**0.00170**	**ng/L**
PCB 53 (BZ)	ND		0.0196	0.00168	ng/L
PCB 54 (BZ)	ND		0.0196	0.00123	ng/L
PCB 55 (BZ)	ND		0.0196	0.00136	ng/L
PCB 56 (BZ)	**0.00592**	**Q J**	**0.0196**	**0.00129**	**ng/L**
PCB 57 (BZ)	ND		0.0196	0.00129	ng/L
PCB 58 (BZ)	ND		0.0196	0.00125	ng/L
PCB 59 (BZ)	**0.00251**	**Q C J**	**0.0196**	**0.00121**	**ng/L**
PCB 60 (BZ)	**0.00284**	**Q J**	**0.0196**	**0.00137**	**ng/L**
PCB 61 (BZ)	**0.0194**	**Q B C J U**	**0.0196**	**0.00121**	**ng/L**
PCB 62 (BZ)	**0.00251**	**Q C59 J**	**0.0196**	**0.00121**	**ng/L**
PCB 63 (BZ)	ND		0.0196	0.00116	ng/L
PCB 64 (BZ)	**0.00616**	**Q B J U**	**0.0196**	**0.00115**	**ng/L**
PCB 65 (BZ)	**0.0168**	**B C44 J U**	**0.0196**	**0.00154**	**ng/L**
PCB 66 (BZ)	**0.0125**	**Q B J U**	**0.0196**	**0.00123**	**ng/L**
PCB 67 (BZ)	ND		0.0196	0.00111	ng/L
PCB 68 (BZ)	ND		0.0196	0.00120	ng/L
PCB 69 (BZ)	**0.00677**	**Q B C49 J U**	**0.0196**	**0.00143**	**ng/L**
PCB 70 (BZ)	**0.0194**	**Q B C61 J U**	**0.0196**	**0.00121**	**ng/L**
PCB 71 (BZ)	**0.00655**	**B C40 J U**	**0.0196**	**0.00178**	**ng/L**
PCB 72 (BZ)	ND		0.0196	0.00129	ng/L

MTW 10-31-06

Shaw E & I Inc

Sample ID: LWB-06-0815

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 002	**Work Order #....:**	JC4PJ2AA	**Matrix....:**	WATER
Date Sampled....:	08/15/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.0196	0.00165	ng/L
PCB 74 (BZ)	**0.0194**	**Q B C61 J U**	**0.0196**	**0.00121**	**ng/L**
PCB 75 (BZ)	**0.00251**	**Q C59 J**	**0.0196**	**0.00121**	**ng/L**
PCB 76 (BZ)	**0.0194**	**Q B C61 J U**	**0.0196**	**0.00121**	**ng/L**
PCB 77 (BZ)	ND		0.0196	0.00132	ng/L
PCB 78 (BZ)	ND		0.0196	0.00140	ng/L
PCB 79 (BZ)	ND		0.0196	0.00107	ng/L
PCB 80 (BZ)	ND		0.0196	0.00119	ng/L
PCB 81 (BZ)	ND		0.0196	0.00123	ng/L
PCB 82 (BZ)	ND		0.0196	0.00216	ng/L
PCB 83 (BZ)	**0.0145**	**C J**	**0.0196**	**0.00184**	**ng/L**
PCB 84 (BZ)	**0.00342**	**J**	**0.0196**	**0.00216**	**ng/L**
PCB 85 (BZ)	**0.00359**	**Q C J**	**0.0196**	**0.00149**	**ng/L**
PCB 86 (BZ)	**0.0136**	**C J**	**0.0196**	**0.00148**	**ng/L**
PCB 87 (BZ)	**0.0136**	**C86 J**	**0.0196**	**0.00148**	**ng/L**
PCB 88 (BZ)	**0.00295**	**C J**	**0.0196**	**0.00186**	**ng/L**
PCB 89 (BZ)	ND		0.0196	0.00205	ng/L
PCB 90 (BZ)	**0.0201**	**Q B C UJ**	**0.0196**	**0.00150**	**ng/L**
PCB 91 (BZ)	**0.00295**	**C88 J**	**0.0196**	**0.00186**	**ng/L**
PCB 92 (BZ)	**0.00337**	**Q J**	**0.0196**	**0.00179**	**ng/L**
PCB 93 (BZ)	ND		0.0196	0.00176	ng/L
PCB 94 (BZ)	ND		0.0196	0.00203	ng/L
PCB 95 (BZ)	**0.0137**	**B J U**	**0.0196**	**0.00180**	**ng/L**
PCB 96 (BZ)	ND		0.0196	0.00140	ng/L
PCB 97 (BZ)	**0.0136**	**C86 J**	**0.0196**	**0.00148**	**ng/L**
PCB 98 (BZ)	ND		0.0196	0.00173	ng/L
PCB 99 (BZ)	**0.0145**	**C83 J**	**0.0196**	**0.00184**	**ng/L**
PCB 100 (BZ)	ND		0.0196	0.00176	ng/L
PCB 101 (BZ)	**0.0201**	**Q B C90 UJ**	**0.0196**	**0.00150**	**ng/L**
PCB 102 (BZ)	ND		0.0196	0.00173	ng/L
PCB 103 (BZ)	ND		0.0196	0.00171	ng/L
PCB 104 (BZ)	ND		0.0196	0.00127	ng/L
PCB 105 (BZ)	**0.00606**	**J**	**0.0196**	**0.00119**	**ng/L**
PCB 106 (BZ)	ND		0.0196	0.00140	ng/L
PCB 107 (BZ)/109 (IUPAC)	ND		0.0196	0.00132	ng/L
PCB 108 (BZ)/107 (IUPAC)	ND		0.0196	0.00135	ng/L

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Shaw E & I Inc

Sample ID: LWB-06-0815

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 002	**Work Order #....:**	JC4PJ2AA	**Matrix....:**	WATER
Date Sampled....:	08/15/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.0136**	**C86 J**	**0.0196**	**0.00148**	**ng/L**
PCB 110 (BZ)	**0.0262**	**B C U**	**0.0196**	**0.00129**	**ng/L**
PCB 111 (BZ)	ND		0.0196	0.00123	ng/L
PCB 112 (BZ)	ND		0.0196	0.00132	ng/L
PCB 113 (BZ)	**0.0201**	**Q B C90 UJ**	**0.0196**	**0.00150**	**ng/L**
PCB 114 (BZ)	ND		0.0196	0.00112	ng/L
PCB 115 (BZ)	**0.0262**	**B C110 U**	**0.0196**	**0.00129**	**ng/L**
PCB 116 (BZ)	**0.00359**	**Q C85 J**	**0.0196**	**0.00149**	**ng/L**
PCB 117 (BZ)	**0.00359**	**Q C85 J**	**0.0196**	**0.00149**	**ng/L**
PCB 118 (BZ)	**0.0140**	**B J U**	**0.0196**	**0.00121**	**ng/L**
PCB 119 (BZ)	**0.0136**	**C86 J**	**0.0196**	**0.00148**	**ng/L**
PCB 120 (BZ)	ND		0.0196	0.00125	ng/L
PCB 121 (BZ)	ND		0.0196	0.00129	ng/L
PCB 122 (BZ)	ND		0.0196	0.00140	ng/L
PCB 123 (BZ)	ND		0.0196	0.00120	ng/L
PCB 124 (BZ)	ND		0.0196	0.00135	ng/L
PCB 125 (BZ)	**0.0136**	**C86 J**	**0.0196**	**0.00148**	**ng/L**
PCB 126 (BZ)	ND		0.0196	0.00142	ng/L
PCB 127 (BZ)	ND		0.0196	0.00126	ng/L
PCB 128 (BZ)	**0.00371**	**Q C J**	**0.0196**	**0.00169**	**ng/L**
PCB 129 (BZ)	**0.0204**	**Q B C UJ**	**0.0196**	**0.00172**	**ng/L**
PCB 130 (BZ)	ND		0.0196	0.00229	ng/L
PCB 131 (BZ)	ND		0.0196	0.00231	ng/L
PCB 132 (BZ)	**0.00688**	**Q B J U**	**0.0196**	**0.00224**	**ng/L**
PCB 133 (BZ)	ND		0.0196	0.00204	ng/L
PCB 134 (BZ)	ND		0.0196	0.00229	ng/L
PCB 135 (BZ)	**0.00680**	**C J**	**0.0196**	**0.00184**	**ng/L**
PCB 136 (BZ)	ND		0.0196	0.00133	ng/L
PCB 137 (BZ)	ND		0.0196	0.00168	ng/L
PCB 138 (BZ)	**0.0204**	**Q B C129 UJ**	**0.0196**	**0.00172**	**ng/L**
PCB 139 (BZ)	ND		0.0196	0.00192	ng/L
PCB 140 (BZ)	ND		0.0196	0.00192	ng/L
PCB 141 (BZ)	**0.00443**	**B J U**	**0.0196**	**0.00215**	**ng/L**
PCB 142 (BZ)	ND		0.0196	0.00225	ng/L
PCB 143 (BZ)	ND		0.0196	0.00229	ng/L
PCB 144 (BZ)	ND		0.0196	0.00178	ng/L

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Shaw E & I Inc

Sample ID: LWB-06-0815

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 002	**Work Order #....:**	JC4PJ2AA	**Matrix....:**	WATER
Date Sampled....:	08/15/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0196	0.00132	ng/L
PCB 146 (BZ)	**0.00418**	**J**	**0.0196**	**0.00184**	**ng/L**
PCB 147 (BZ)	**0.0157**	**B C J** U	**0.0196**	**0.00192**	**ng/L**
PCB 148 (BZ)	ND		0.0196	0.00182	ng/L
PCB 149 (BZ)	**0.0157**	**B C147 J** U	**0.0196**	**0.00192**	**ng/L**
PCB 150 (BZ)	ND		0.0196	0.00127	ng/L
PCB 151 (BZ)	**0.00680**	**C135 J**	**0.0196**	**0.00184**	**ng/L**
PCB 152 (BZ)	ND		0.0196	0.00126	ng/L
PCB 153 (BZ)	**0.0180**	**B C J** U	**0.0196**	**0.00148**	**ng/L**
PCB 154 (BZ)	ND		0.0196	0.00150	ng/L
PCB 155 (BZ)	ND		0.0196	0.00119	ng/L
PCB 156 (BZ)	ND		0.0196	0.00152	ng/L
PCB 157 (BZ)	ND		0.0196	0.00152	ng/L
PCB 158 (BZ)	**0.00169**	**J**	**0.0196**	**0.00133**	**ng/L**
PCB 159 (BZ)	ND		0.0196	0.00144	ng/L
PCB 160 (BZ)	**0.0204**	**Q B C129** UJ	**0.0196**	**0.00172**	**ng/L**
PCB 161 (BZ)	ND		0.0196	0.00141	ng/L
PCB 162 (BZ)	ND		0.0196	0.00143	ng/L
PCB 163 (BZ)	**0.0204**	**Q B C129** UJ	**0.0196**	**0.00172**	**ng/L**
PCB 164 (BZ)	ND		0.0196	0.00168	ng/L
PCB 165 (BZ)	ND		0.0196	0.00160	ng/L
PCB 166 (BZ)	**0.00371**	**Q C128 J**	**0.0196**	**0.00169**	**ng/L**
PCB 167 (BZ)	ND		0.0196	0.00109	ng/L
PCB 168 (BZ)	**0.0180**	**B C153 J** U	**0.0196**	**0.00148**	**ng/L**
PCB 169 (BZ)	ND		0.0196	0.00143	ng/L
PCB 170 (BZ)	ND		0.0196	0.00161	ng/L
PCB 171 (BZ)	ND		0.0196	0.00163	ng/L
PCB 172 (BZ)	ND		0.0196	0.00162	ng/L
PCB 173 (BZ)	ND		0.0196	0.00163	ng/L
PCB 174 (BZ)	**0.00462**	**Q J**	**0.0196**	**0.00148**	**ng/L**
PCB 175 (BZ)	ND		0.0196	0.00144	ng/L
PCB 176 (BZ)	ND		0.0196	0.00107	ng/L
PCB 177 (BZ)	ND		0.0196	0.00156	ng/L
PCB 178 (BZ)	ND		0.0196	0.00155	ng/L
PCB 179 (BZ)	**0.00161**	**Q J**	**0.0196**	**0.00113**	**ng/L**
PCB 180 (BZ)	**0.00868**	**B C J**	**0.0196**	**0.00121**	**ng/L**

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Shaw E & I Inc

Sample ID: LWB-06-0815

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 002	**Work Order #....:**	JC4PJ2AA	**Matrix....:**	WATER
Date Sampled....:	08/15/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0196	0.00140	ng/L
PCB 182 (BZ)	ND		0.0196	0.00136	ng/L
PCB 183 (BZ)	ND		0.0196	0.00144	ng/L
PCB 184 (BZ)	ND		0.0196	0.00114	ng/L
PCB 185 (BZ)	ND		0.0196	0.00144	ng/L
PCB 186 (BZ)	ND		0.0196	0.00112	ng/L
PCB 187 (BZ)	**0.00511**	**Q J**	**0.0196**	**0.00133**	**ng/L**
PCB 188 (BZ)	ND		0.0196	0.00105	ng/L
PCB 189 (BZ)	ND		0.0196	0.00114	ng/L
PCB 190 (BZ)	ND		0.0196	0.00111	ng/L
PCB 191 (BZ)	ND		0.0196	0.00107	ng/L
PCB 192 (BZ)	ND		0.0196	0.00121	ng/L
PCB 193 (BZ)	**0.00868**	**B C180 J**	**0.0196**	**0.00121**	**ng/L**
PCB 194 (BZ)	ND		0.0196	0.00156	ng/L
PCB 195 (BZ)	ND		0.0196	0.00170	ng/L
PCB 196 (BZ)	ND		0.0196	0.00166	ng/L
PCB 197 (BZ)	ND		0.0196	0.00115	ng/L
PCB 198 (BZ)	**0.00319**	**Q C J**	**0.0196**	**0.00167**	**ng/L**
PCB 201 (BZ)/199 (IUPAC)	**0.00319**	**Q C198 J**	**0.0196**	**0.00167**	**ng/L**
PCB 199 (BZ)/200 (IUPAC)	ND		0.0196	0.00115	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND		0.0196	0.00111	ng/L
PCB 202 (BZ)	ND		0.0196	0.00125	ng/L
PCB 203 (BZ)	ND		0.0196	0.00150	ng/L
PCB 204 (BZ)	ND		0.0196	0.00117	ng/L
PCB 205 (BZ)	ND		0.0196	0.00126	ng/L
PCB 206 (BZ)	ND		0.0196	0.00176	ng/L
PCB 207 (BZ)	ND		0.0196	0.00121	ng/L
PCB 208 (BZ)	ND		0.0196	0.00125	ng/L
PCB 209 (BZ)	ND		0.0196	0.00126	ng/L

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Shaw E & I Inc

Sample ID: LWB-06-0815

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 002	Work Order #....:	JC4PJ2AA	Matrix....:	WATER
Date Sampled....:	08/15/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	51		30 - 140
13C12-PCB 3	46		30 - 140
13C12-PCB 4	69		30 - 140
13C12-PCB 15	58		30 - 140
13C12-PCB 19	67		30 - 140
13C12-PCB 37	71		30 - 140
13C12-PCB 54	86		30 - 140
13C12-PCB 77	68		30 - 140
13C12-PCB 81	67		30 - 140
13C12-PCB 104	68		30 - 140
13C12-PCB 105	80		30 - 140
13C12-PCB 114	78		30 - 140
13C12-PCB 118	79		30 - 140
13C12-PCB 123	77		30 - 140
13C12-PCB 126	73		30 - 140
13C12-PCB 155	87		30 - 140
13C12-PCB 156	77	C	30 - 140
13C12-PCB 157	77	C	30 - 140
13C12-PCB 167	76		30 - 140
13C12-PCB 169	59		30 - 140
13C12-PCB 170	83		30 - 140
13C12-PCB 188	72		30 - 140
13C12-PCB 189	67		30 - 140
13C12-PCB 202	91		30 - 140
13C12-PCB 205	80		30 - 140
13C12-PCB 206	94		30 - 140
13C12-PCB 208	94		30 - 140
13C12-PCB 209	105		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	100	40 - 125
13C12-PCB 111	100	40 - 125
13C12-PCB 178	94	40 - 125

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Shaw E & I Inc

Sample ID: LWB-06-0815

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 002	**Work Order #....:**	JC4PJ2AA	**Matrix....:**	WATER
Date Sampled....:	08/15/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

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Shaw E & I Inc

Sample ID: OU1-06-0815

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 003	Work Order #....:	JC4PN2AA	Matrix....:	WATER
Date Sampled....:	08/15/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.0130	B J U	0.0196	0.000601	ng/L
PCB 2 (BZ)	ND		0.0196	0.000774	ng/L
PCB 3 (BZ)	0.00908	Q J	0.0196	0.000912	ng/L
PCB 4 (BZ)	0.427	B	0.0294	0.00332	ng/L
PCB 5 (BZ)	ND		0.0196	0.00291	ng/L
PCB 6 (BZ)	0.133	B	0.0196	0.00257	ng/L
PCB 7 (BZ)	0.0122	Q B J	0.0196	0.00266	ng/L
PCB 8 (BZ)	0.232	B	0.0294	0.00256	ng/L
PCB 9 (BZ)	0.00939	Q B J U	0.0196	0.00260	ng/L
PCB 10 (BZ)	0.0230		0.0196	0.00284	ng/L
PCB 11 (BZ)	0.321	B	0.0294	0.00279	ng/L
PCB 12 (BZ)	0.0382	Q B C J	0.0294	0.00273	ng/L
PCB 13 (BZ)	0.0382	Q B C12 J	0.0294	0.00273	ng/L
PCB 14 (BZ)	ND		0.0196	0.00229	ng/L
PCB 15 (BZ)	0.198	B	0.0196	0.00295	ng/L
PCB 16 (BZ)	0.119		0.0196	0.00258	ng/L
PCB 17 (BZ)	0.462	B	0.0196	0.00223	ng/L
PCB 18 (BZ)	0.545	B C	0.0294	0.00188	ng/L
PCB 19 (BZ)	0.115		0.0196	0.00248	ng/L
PCB 20 (BZ)	0.831	B C	0.0196	0.00200	ng/L
PCB 21 (BZ)	0.196	B C	0.0196	0.00199	ng/L
PCB 22 (BZ)	0.149	B	0.0196	0.00213	ng/L
PCB 23 (BZ)	ND		0.0196	0.00214	ng/L
PCB 24 (BZ)	ND		0.0196	0.00165	ng/L
PCB 25 (BZ)	0.163		0.0196	0.00181	ng/L
PCB 26 (BZ)	0.288	B C	0.0196	0.00203	ng/L
PCB 27 (BZ)	0.0902		0.0196	0.00154	ng/L
PCB 28 (BZ)	0.831	B C20	0.0196	0.00200	ng/L
PCB 29 (BZ)	0.288	B C26	0.0196	0.00203	ng/L
PCB 30 (BZ)	0.545	B C18	0.0294	0.00188	ng/L
PCB 31 (BZ)	0.744	B	0.0196	0.00200	ng/L
PCB 32 (BZ)	0.0359	B	0.0196	0.00146	ng/L
PCB 33 (BZ)	0.196	B C21	0.0196	0.00199	ng/L
PCB 34 (BZ)	0.00872	J	0.0196	0.00211	ng/L
PCB 35 (BZ)	0.00608	J	0.0196	0.00221	ng/L
PCB 36 (BZ)	ND		0.0196	0.00216	ng/L

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Shaw E & I Inc

Sample ID: OU1-06-0815

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 003	**Work Order #....:**	JC4PN2AA	**Matrix....:**	WATER
Date Sampled....:	08/15/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.127		0.0196	0.00219	ng/L
PCB 38 (BZ)	ND		0.0196	0.00208	ng/L
PCB 39 (BZ)	0.00407	Q J	0.0196	0.00197	ng/L
PCB 40 (BZ)	0.211	B Q C J	0.0196	0.00290	ng/L
PCB 41 (BZ)	0.211	Q B C40 J	0.0196	0.00290	ng/L
PCB 42 (BZ)	0.124	B	0.0196	0.00302	ng/L
PCB 43 (BZ)	0.0239	Q C J	0.0196	0.00270	ng/L
PCB 44 (BZ)	0.573	B C	0.0196	0.00252	ng/L
PCB 45 (BZ)	0.0731	C	0.0196	0.00297	ng/L
PCB 46 (BZ)	0.0523		0.0196	0.00367	ng/L
PCB 47 (BZ)	0.573	B C44	0.0196	0.00252	ng/L
PCB 48 (BZ)	0.0648	B	0.0196	0.00299	ng/L
PCB 49 (BZ)	0.445	B C	0.0196	0.00234	ng/L
PCB 50 (BZ)	0.143	B C	0.0196	0.00275	ng/L
PCB 51 (BZ)	0.0731	C45	0.0196	0.00297	ng/L
PCB 52 (BZ)	0.611	B	0.0196	0.00278	ng/L
PCB 53 (BZ)	0.143	B C50	0.0196	0.00275	ng/L
PCB 54 (BZ)	0.00573	Q J	0.0196	0.00221	ng/L
PCB 55 (BZ)	ND		0.0196	0.00222	ng/L
PCB 56 (BZ)	0.110		0.0196	0.00210	ng/L
PCB 57 (BZ)	0.00536	Q J	0.0196	0.00210	ng/L
PCB 58 (BZ)	0.00210	Q J	0.0196	0.00205	ng/L
PCB 59 (BZ)	0.0515	C	0.0196	0.00198	ng/L
PCB 60 (BZ)	0.0343		0.0196	0.00224	ng/L
PCB 61 (BZ)	0.432	B C	0.0196	0.00198	ng/L
PCB 62 (BZ)	0.0515	C59	0.0196	0.00198	ng/L
PCB 63 (BZ)	0.0194	J	0.0196	0.00190	ng/L
PCB 64 (BZ)	0.134	B	0.0196	0.00189	ng/L
PCB 65 (BZ)	0.573	B C44	0.0196	0.00252	ng/L
PCB 66 (BZ)	0.286	B	0.0196	0.00202	ng/L
PCB 67 (BZ)	0.0130	J	0.0196	0.00181	ng/L
PCB 68 (BZ)	0.00773	Q J	0.0196	0.00195	ng/L
PCB 69 (BZ)	0.445	B C49	0.0196	0.00234	ng/L
PCB 70 (BZ)	0.432	B C61	0.0196	0.00198	ng/L
PCB 71 (BZ)	0.211	Q B C40 J	0.0196	0.00290	ng/L
PCB 72 (BZ)	0.0110	Q J	0.0196	0.00210	ng/L

10-31-06

Shaw E & I Inc

Sample ID: OU1-06-0815

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 003	Work Order #....:	JC4PN2AA	Matrix....:	WATER
Date Sampled....:	08/15/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.0239	Q C43 J	0.0196	0.00270	ng/L
PCB 74 (BZ)	0.432	B C61	0.0196	0.00198	ng/L
PCB 75 (BZ)	0.0515	C59	0.0196	0.00198	ng/L
PCB 76 (BZ)	0.432	B C61	0.0196	0.00198	ng/L
PCB 77 (BZ)	0.0251		0.0196	0.00215	ng/L
PCB 78 (BZ)	ND		0.0196	0.00228	ng/L
PCB 79 (BZ)	0.00192	Q J	0.0196	0.00175	ng/L
PCB 80 (BZ)	ND		0.0196	0.00194	ng/L
PCB 81 (BZ)	ND		0.0196	0.00201	ng/L
PCB 82 (BZ)	0.0262		0.0196	0.00263	ng/L
PCB 83 (BZ)	0.174	C	0.0196	0.00224	ng/L
PCB 84 (BZ)	0.0863		0.0196	0.00262	ng/L
PCB 85 (BZ)	0.0346	Q C J	0.0196	0.00180	ng/L
PCB 86 (BZ)	0.121	C	0.0196	0.00180	ng/L
PCB 87 (BZ)	0.121	C86	0.0196	0.00180	ng/L
PCB 88 (BZ)	0.0716	C	0.0196	0.00226	ng/L
PCB 89 (BZ)	0.00433	J	0.0196	0.00249	ng/L
PCB 90 (BZ)	0.218	Q B C J	0.0196	0.00182	ng/L
PCB 91 (BZ)	0.0716	C88	0.0196	0.00226	ng/L
PCB 92 (BZ)	0.0696		0.0196	0.00218	ng/L
PCB 93 (BZ)	0.0119	Q C J	0.0196	0.00214	ng/L
PCB 94 (BZ)	0.00780	J	0.0196	0.00247	ng/L
PCB 95 (BZ)	0.210	B	0.0196	0.00219	ng/L
PCB 96 (BZ)	0.00554	J	0.0196	0.00171	ng/L
PCB 97 (BZ)	0.121	C86	0.0196	0.00180	ng/L
PCB 98 (BZ)	0.0200	C	0.0196	0.00210	ng/L
PCB 99 (BZ)	0.174	C83	0.0196	0.00224	ng/L
PCB 100 (BZ)	0.0119	Q C93 J	0.0196	0.00214	ng/L
PCB 101 (BZ)	0.218	Q B C90 J	0.0196	0.00182	ng/L
PCB 102 (BZ)	0.0200	C98	0.0196	0.00210	ng/L
PCB 103 (BZ)	0.00738	J	0.0196	0.00208	ng/L
PCB 104 (BZ)	ND		0.0196	0.00154	ng/L
PCB 105 (BZ)	0.0403		0.0196	0.00139	ng/L
PCB 106 (BZ)	ND		0.0196	0.00166	ng/L
PCB 107 (BZ)/109 (IUPAC)	0.0205		0.0196	0.00158	ng/L
PCB 108 (BZ)/107 (IUPAC)	0.00448	C J	0.0196	0.00161	ng/L

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU1-06-0815

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 003	Work Order #....:	JC4PN2AA	Matrix....:	WATER
Date Sampled....:	08/15/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.121	C86	0.0196	0.00180	ng/L
PCB 110 (BZ)	0.295	B C	0.0196	0.00156	ng/L
PCB 111 (BZ)	ND		0.0196	0.00149	ng/L
PCB 112 (BZ)	ND		0.0196	0.00161	ng/L
PCB 113 (BZ)	0.218	Q B C90 J	0.0196	0.00182	ng/L
PCB 114 (BZ)	0.00386	Q J	0.0196	0.00133	ng/L
PCB 115 (BZ)	0.295	B C110	0.0196	0.00156	ng/L
PCB 116 (BZ)	0.0346	Q C85 J	0.0196	0.00180	ng/L
PCB 117 (BZ)	0.0346	Q C85 J	0.0196	0.00180	ng/L
PCB 118 (BZ)	0.150	B	0.0196	0.00149	ng/L
PCB 119 (BZ)	0.121	C86	0.0196	0.00180	ng/L
PCB 120 (BZ)	0.00350	Q J	0.0196	0.00151	ng/L
PCB 121 (BZ)	ND		0.0196	0.00157	ng/L
PCB 122 (BZ)	ND		0.0196	0.00167	ng/L
PCB 123 (BZ)	0.00201	Q J	0.0196	0.00142	ng/L
PCB 124 (BZ)	0.00448	C108 J	0.0196	0.00161	ng/L
PCB 125 (BZ)	0.121	C86	0.0196	0.00180	ng/L
PCB 126 (BZ)	ND		0.0196	0.00171	ng/L
PCB 127 (BZ)	ND		0.0196	0.00150	ng/L
PCB 128 (BZ)	0.0194	C J	0.0196	0.00174	ng/L
PCB 129 (BZ)	0.124	B C	0.0196	0.00178	ng/L
PCB 130 (BZ)	0.00766	Q J	0.0196	0.00236	ng/L
PCB 131 (BZ)	ND		0.0196	0.00238	ng/L
PCB 132 (BZ)	0.0535	B	0.0196	0.00231	ng/L
PCB 133 (BZ)	0.00548	Q J	0.0196	0.00211	ng/L
PCB 134 (BZ)	0.0123	C J	0.0196	0.00236	ng/L
PCB 135 (BZ)	0.0534	C	0.0196	0.00195	ng/L
PCB 136 (BZ)	0.0183	B J	0.0196	0.00142	ng/L
PCB 137 (BZ)	0.0144	Q C J	0.0196	0.00173	ng/L
PCB 138 (BZ)	0.124	B C129	0.0196	0.00178	ng/L
PCB 139 (BZ)	ND		0.0196	0.00198	ng/L
PCB 140 (BZ)	ND		0.0196	0.00198	ng/L
PCB 141 (BZ)	0.0189	B J	0.0196	0.00222	ng/L
PCB 142 (BZ)	ND		0.0196	0.00232	ng/L
PCB 143 (BZ)	0.0123	C134 J	0.0196	0.00236	ng/L
PCB 144 (BZ)	ND		0.0196	0.00189	ng/L

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Shaw E & I Inc

Sample ID: OU1-06-0815

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 003	**Work Order #....:**	JC4PN2AA	**Matrix....:**	WATER
Date Sampled....:	08/15/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0196	0.00140	ng/L
PCB 146 (BZ)	**0.0302**		**0.0196**	**0.00190**	**ng/L**
PCB 147 (BZ)	**0.119**	**B C**	**0.0196**	**0.00198**	**ng/L**
PCB 148 (BZ)	ND		0.0196	0.00194	ng/L
PCB 149 (BZ)	**0.119**	**B C147**	**0.0196**	**0.00198**	**ng/L**
PCB 150 (BZ)	ND		0.0196	0.00135	ng/L
PCB 151 (BZ)	**0.0534**	**C135**	**0.0196**	**0.00195**	**ng/L**
PCB 152 (BZ)	ND		0.0196	0.00134	ng/L
PCB 153 (BZ)	**0.102**	**B C**	**0.0196**	**0.00153**	**ng/L**
PCB 154 (BZ)	**0.00559**	**Q J**	**0.0196**	**0.00159**	**ng/L**
PCB 155 (BZ)	ND		0.0196	0.00126	ng/L
PCB 156 (BZ)	**0.0119**	**Q C J**	**0.0196**	**0.00158**	**ng/L**
PCB 157 (BZ)	**0.0119**	**Q C156 J**	**0.0196**	**0.00158**	**ng/L**
PCB 158 (BZ)	**0.00876**	**Q J**	**0.0196**	**0.00137**	**ng/L**
PCB 159 (BZ)	ND		0.0196	0.00149	ng/L
PCB 160 (BZ)	**0.124**	**B C129**	**0.0196**	**0.00178**	**ng/L**
PCB 161 (BZ)	ND		0.0196	0.00145	ng/L
PCB 162 (BZ)	ND		0.0196	0.00147	ng/L
PCB 163 (BZ)	**0.124**	**B C129**	**0.0196**	**0.00178**	**ng/L**
PCB 164 (BZ)	**0.0144**	**Q C137 J**	**0.0196**	**0.00173**	**ng/L**
PCB 165 (BZ)	ND		0.0196	0.00165	ng/L
PCB 166 (BZ)	**0.0194**	**C128 J**	**0.0196**	**0.00174**	**ng/L**
PCB 167 (BZ)	**0.00236**	**Q J**	**0.0196**	**0.00109**	**ng/L**
PCB 168 (BZ)	**0.102**	**B C153**	**0.0196**	**0.00153**	**ng/L**
PCB 169 (BZ)	ND		0.0196	0.00151	ng/L
PCB 170 (BZ)	**0.0190**	**J**	**0.0196**	**0.00161**	**ng/L**
PCB 171 (BZ)	**0.00413**	**Q C J**	**0.0196**	**0.00160**	**ng/L**
PCB 172 (BZ)	**0.00331**	**Q J**	**0.0196**	**0.00160**	**ng/L**
PCB 173 (BZ)	**0.00413**	**Q C171 J**	**0.0196**	**0.00160**	**ng/L**
PCB 174 (BZ)	**0.0187**	**J**	**0.0196**	**0.00145**	**ng/L**
PCB 175 (BZ)	ND		0.0196	0.00142	ng/L
PCB 176 (BZ)	**0.00186**	**Q J**	**0.0196**	**0.00105**	**ng/L**
PCB 177 (BZ)	**0.0139**	**J**	**0.0196**	**0.00153**	**ng/L**
PCB 178 (BZ)	**0.00763**	**J**	**0.0196**	**0.00153**	**ng/L**
PCB 179 (BZ)	**0.0113**	**J**	**0.0196**	**0.00111**	**ng/L**
PCB 180 (BZ)	**0.0402**	**B C**	**0.0196**	**0.00119**	**ng/L**

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Shaw E & I Inc

Sample ID: OU1-06-0815

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 003	Work Order #....:	JC4PN2AA	Matrix....:	WATER
Date Sampled....:	08/15/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0196	0.00138	ng/L
PCB 182 (BZ)	ND		0.0196	0.00134	ng/L
PCB 183 (BZ)	0.0118	C J	0.0196	0.00141	ng/L
PCB 184 (BZ)	ND		0.0196	0.00112	ng/L
PCB 185 (BZ)	0.0118	C183 J	0.0196	0.00141	ng/L
PCB 186 (BZ)	ND		0.0196	0.00110	ng/L
PCB 187 (BZ)	0.0356		0.0196	0.00131	ng/L
PCB 188 (BZ)	ND		0.0196	0.00102	ng/L
PCB 189 (BZ)	ND		0.0196	0.00114	ng/L
PCB 190 (BZ)	0.00409	Q J	0.0196	0.00109	ng/L
PCB 191 (BZ)	ND		0.0196	0.00105	ng/L
PCB 192 (BZ)	ND		0.0196	0.00119	ng/L
PCB 193 (BZ)	0.0402	B C180	0.0196	0.00119	ng/L
PCB 194 (BZ)	0.0134	J	0.0196	0.00128	ng/L
PCB 195 (BZ)	0.00403	Q J	0.0196	0.00140	ng/L
PCB 196 (BZ)	0.00742	Q J	0.0196	0.00135	ng/L
PCB 197 (BZ)	0.00217	Q C J	0.0196	0.000941	ng/L
PCB 198 (BZ)	0.0214	C	0.0196	0.00136	ng/L
PCB 201 (BZ)/199 (IUPAC)	0.0214	C198	0.0196	0.00136	ng/L
PCB 199 (BZ)/200 (IUPAC)	0.00217	Q C197 J	0.0196	0.000941	ng/L
PCB 200 (BZ)/201 (IUPAC)	0.00203	Q J	0.0196	0.000901	ng/L
PCB 202 (BZ)	0.00532	J	0.0196	0.00102	ng/L
PCB 203 (BZ)	0.0130	J	0.0196	0.00122	ng/L
PCB 204 (BZ)	ND		0.0196	0.000956	ng/L
PCB 205 (BZ)	ND		0.0196	0.00104	ng/L
PCB 206 (BZ)	0.0188	J	0.0196	0.00138	ng/L
PCB 207 (BZ)	0.00571	J	0.0196	0.000926	ng/L
PCB 208 (BZ)	0.00657	Q J	0.0196	0.000944	ng/L
PCB 209 (BZ)	0.0613		0.0196	0.00137	ng/L

MSW 10-31-06

Shaw E & I Inc

Sample ID: OU1-06-0815

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 003	**Work Order #....:**	JC4PN2AA	**Matrix....:**	WATER
Date Sampled....:	08/15/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	42		30 - 140
13C12-PCB 3	38		30 - 140
13C12-PCB 4	56		30 - 140
13C12-PCB 15	54		30 - 140
13C12-PCB 19	59		30 - 140
13C12-PCB 37	68		30 - 140
13C12-PCB 54	77		30 - 140
13C12-PCB 77	65		30 - 140
13C12-PCB 81	64		30 - 140
13C12-PCB 104	63		30 - 140
13C12-PCB 105	77		30 - 140
13C12-PCB 114	76		30 - 140
13C12-PCB 118	76		30 - 140
13C12-PCB 123	74		30 - 140
13C12-PCB 126	68		30 - 140
13C12-PCB 155	85		30 - 140
13C12-PCB 156	74	C	30 - 140
13C12-PCB 157	74	C	30 - 140
13C12-PCB 167	74		30 - 140
13C12-PCB 169	54		30 - 140
13C12-PCB 170	78		30 - 140
13C12-PCB 188	69		30 - 140
13C12-PCB 189	66		30 - 140
13C12-PCB 202	87		30 - 140
13C12-PCB 205	77		30 - 140
13C12-PCB 206	91		30 - 140
13C12-PCB 208	93		30 - 140
13C12-PCB 209	100		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	101	40 - 125
13C12-PCB 111	102	40 - 125
13C12-PCB 178	93	40 - 125

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Shaw E & I Inc

Sample ID: OU1-06-0815

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 003	**Work Order #....:**	JC4PN2AA	**Matrix....:**	WATER
Date Sampled....:	08/15/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU2A-06-0816

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 004	**Work Order #....:**	JC4PR2AA	**Matrix....:**	WATER
Date Sampled....:	08/16/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.0150	B J U	0.0196	0.000591	ng/L
PCB 2 (BZ)	0.00226	Q B J U	0.0196	0.000753	ng/L
PCB 3 (BZ)	0.00983	J	0.0196	0.000872	ng/L
PCB 4 (BZ)	0.482	B	0.0294	0.00331	ng/L
PCB 5 (BZ)	ND		0.0196	0.00291	ng/L
PCB 6 (BZ)	0.121	Q B J	0.0196	0.00256	ng/L
PCB 7 (BZ)	0.0119	B J	0.0196	0.00266	ng/L
PCB 8 (BZ)	0.217	B	0.0294	0.00255	ng/L
PCB 9 (BZ)	0.00721	B J U	0.0196	0.00259	ng/L
PCB 10 (BZ)	0.0183	J	0.0196	0.00283	ng/L
PCB 11 (BZ)	0.392	B	0.0294	0.00279	ng/L
PCB 12 (BZ)	0.0361	Q B C J	0.0294	0.00272	ng/L
PCB 13 (BZ)	0.0361	Q B C12 J	0.0294	0.00272	ng/L
PCB 14 (BZ)	ND		0.0196	0.00229	ng/L
PCB 15 (BZ)	0.236	B	0.0196	0.00295	ng/L
PCB 16 (BZ)	0.137		0.0196	0.00259	ng/L
PCB 17 (BZ)	0.491	B	0.0196	0.00224	ng/L
PCB 18 (BZ)	0.617	B C	0.0294	0.00189	ng/L
PCB 19 (BZ)	0.122		0.0196	0.00249	ng/L
PCB 20 (BZ)	0.932	B C	0.0196	0.00192	ng/L
PCB 21 (BZ)	0.186	B C	0.0196	0.00191	ng/L
PCB 22 (BZ)	0.157	B	0.0196	0.00204	ng/L
PCB 23 (BZ)	ND		0.0196	0.00205	ng/L
PCB 24 (BZ)	0.00623	Q J	0.0196	0.00165	ng/L
PCB 25 (BZ)	0.165		0.0196	0.00174	ng/L
PCB 26 (BZ)	0.289	B C	0.0196	0.00195	ng/L
PCB 27 (BZ)	0.0959		0.0196	0.00155	ng/L
PCB 28 (BZ)	0.932	B C20	0.0196	0.00192	ng/L
PCB 29 (BZ)	0.289	B C26	0.0196	0.00195	ng/L
PCB 30 (BZ)	0.617	B C18	0.0294	0.00189	ng/L
PCB 31 (BZ)	0.821	B	0.0196	0.00192	ng/L
PCB 32 (BZ)	0.0358	B	0.0196	0.00146	ng/L
PCB 33 (BZ)	0.186	B C21	0.0196	0.00191	ng/L
PCB 34 (BZ)	0.0106	J	0.0196	0.00203	ng/L
PCB 35 (BZ)	0.00460	Q J	0.0196	0.00212	ng/L
PCB 36 (BZ)	ND		0.0196	0.00208	ng/L

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Shaw E & I Inc

Sample ID: OU2A-06-0816

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 004	**Work Order #....:**	JC4PR2AA	**Matrix....:**	WATER
Date Sampled....:	08/16/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.156		0.0196	0.00211	ng/L
PCB 38 (BZ)	ND		0.0196	0.00200	ng/L
PCB 39 (BZ)	0.00316	Q J	0.0196	0.00189	ng/L
PCB 40 (BZ)	0.220	B C	0.0196	0.00275	ng/L
PCB 41 (BZ)	0.220	B C40	0.0196	0.00275	ng/L
PCB 42 (BZ)	0.130	B	0.0196	0.00286	ng/L
PCB 43 (BZ)	0.0272	C	0.0196	0.00256	ng/L
PCB 44 (BZ)	0.579	B C	0.0196	0.00239	ng/L
PCB 45 (BZ)	0.0848	C	0.0196	0.00282	ng/L
PCB 46 (BZ)	0.0501		0.0196	0.00348	ng/L
PCB 47 (BZ)	0.579	B C44	0.0196	0.00239	ng/L
PCB 48 (BZ)	0.0687	B	0.0196	0.00283	ng/L
PCB 49 (BZ)	0.454	B C	0.0196	0.00222	ng/L
PCB 50 (BZ)	0.134	B C	0.0196	0.00261	ng/L
PCB 51 (BZ)	0.0848	C45	0.0196	0.00282	ng/L
PCB 52 (BZ)	0.633	B	0.0196	0.00264	ng/L
PCB 53 (BZ)	0.134	B C50	0.0196	0.00261	ng/L
PCB 54 (BZ)	0.00491	J	0.0196	0.00214	ng/L
PCB 55 (BZ)	0.00897	Q J	0.0196	0.00211	ng/L
PCB 56 (BZ)	0.126		0.0196	0.00199	ng/L
PCB 57 (BZ)	0.00705	J	0.0196	0.00199	ng/L
PCB 58 (BZ)	ND		0.0196	0.00194	ng/L
PCB 59 (BZ)	0.0536	C	0.0196	0.00187	ng/L
PCB 60 (BZ)	0.0421		0.0196	0.00213	ng/L
PCB 61 (BZ)	0.478	B C	0.0196	0.00187	ng/L
PCB 62 (BZ)	0.0536	C59	0.0196	0.00187	ng/L
PCB 63 (BZ)	0.0200	Q J	0.0196	0.00180	ng/L
PCB 64 (BZ)	0.153	B	0.0196	0.00179	ng/L
PCB 65 (BZ)	0.579	B C44	0.0196	0.00239	ng/L
PCB 66 (BZ)	0.318	B	0.0196	0.00191	ng/L
PCB 67 (BZ)	0.0133	J	0.0196	0.00172	ng/L
PCB 68 (BZ)	0.00833	Q J	0.0196	0.00185	ng/L
PCB 69 (BZ)	0.454	B C49	0.0196	0.00222	ng/L
PCB 70 (BZ)	0.478	B C61	0.0196	0.00187	ng/L
PCB 71 (BZ)	0.220	B C40	0.0196	0.00275	ng/L
PCB 72 (BZ)	0.0123	J	0.0196	0.00199	ng/L

12-31-06

Shaw E & I Inc

Sample ID: OU2A-06-0816

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 004	Work Order #....:	JC4PR2AA	Matrix....:	WATER
Date Sampled....:	08/16/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.0272	C43	0.0196	0.00256	ng/L
PCB 74 (BZ)	0.478	B C61	0.0196	0.00187	ng/L
PCB 75 (BZ)	0.0536	C59	0.0196	0.00187	ng/L
PCB 76 (BZ)	0.478	B C61	0.0196	0.00187	ng/L
PCB 77 (BZ)	0.0305		0.0196	0.00198	ng/L
PCB 78 (BZ)	ND		0.0196	0.00216	ng/L
PCB 79 (BZ)	0.00185	Q J	0.0196	0.00165	ng/L
PCB 80 (BZ)	ND		0.0196	0.00184	ng/L
PCB 81 (BZ)	ND		0.0196	0.00196	ng/L
PCB 82 (BZ)	0.0299		0.0196	0.00281	ng/L
PCB 83 (BZ)	0.188	C	0.0196	0.00239	ng/L
PCB 84 (BZ)	0.0865		0.0196	0.00280	ng/L
PCB 85 (BZ)	0.0332	Q C J	0.0196	0.00193	ng/L
PCB 86 (BZ)	0.130	C	0.0196	0.00193	ng/L
PCB 87 (BZ)	0.130	C86	0.0196	0.00193	ng/L
PCB 88 (BZ)	0.0733	C	0.0196	0.00241	ng/L
PCB 89 (BZ)	ND		0.0196	0.00266	ng/L
PCB 90 (BZ)	0.239	B C	0.0196	0.00195	ng/L
PCB 91 (BZ)	0.0733	C88	0.0196	0.00241	ng/L
PCB 92 (BZ)	0.0717		0.0196	0.00233	ng/L
PCB 93 (BZ)	0.0101	Q C J	0.0196	0.00228	ng/L
PCB 94 (BZ)	0.00615	J	0.0196	0.00264	ng/L
PCB 95 (BZ)	0.206	B	0.0196	0.00234	ng/L
PCB 96 (BZ)	ND		0.0196	0.00182	ng/L
PCB 97 (BZ)	0.130	C86	0.0196	0.00193	ng/L
PCB 98 (BZ)	0.0175	C J	0.0196	0.00225	ng/L
PCB 99 (BZ)	0.188	C83	0.0196	0.00239	ng/L
PCB 100 (BZ)	0.0101	Q C93 J	0.0196	0.00228	ng/L
PCB 101 (BZ)	0.239	B C90	0.0196	0.00195	ng/L
PCB 102 (BZ)	0.0175	C98 J	0.0196	0.00225	ng/L
PCB 103 (BZ)	0.00910	J	0.0196	0.00222	ng/L
PCB 104 (BZ)	ND		0.0196	0.00165	ng/L
PCB 105 (BZ)	0.0467		0.0196	0.00153	ng/L
PCB 106 (BZ)	ND		0.0196	0.00180	ng/L
PCB 107 (BZ)/109 (IUPAC)	0.0189	Q J	0.0196	0.00171	ng/L
PCB 108 (BZ)/107 (IUPAC)	0.00232	Q C J	0.0196	0.00174	ng/L

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU2A-06-0816

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 004	**Work Order #....:**	JC4PR2AA	**Matrix....:**	WATER
Date Sampled....:	08/16/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.130	C86	0.0196	0.00193	ng/L
PCB 110 (BZ)	0.295	B C	0.0196	0.00167	ng/L
PCB 111 (BZ)	ND		0.0196	0.00160	ng/L
PCB 112 (BZ)	ND		0.0196	0.00172	ng/L
PCB 113 (BZ)	0.239	B C90	0.0196	0.00195	ng/L
PCB 114 (BZ)	0.00416	Q J	0.0196	0.00146	ng/L
PCB 115 (BZ)	0.295	B C110	0.0196	0.00167	ng/L
PCB 116 (BZ)	0.0332	Q C85 J	0.0196	0.00193	ng/L
PCB 117 (BZ)	0.0332	Q C85 J	0.0196	0.00193	ng/L
PCB 118 (BZ)	0.163	B	0.0196	0.00157	ng/L
PCB 119 (BZ)	0.130	C86	0.0196	0.00193	ng/L
PCB 120 (BZ)	ND		0.0196	0.00162	ng/L
PCB 121 (BZ)	ND		0.0196	0.00167	ng/L
PCB 122 (BZ)	0.00342	Q J	0.0196	0.00181	ng/L
PCB 123 (BZ)	0.00273	J	0.0196	0.00154	ng/L
PCB 124 (BZ)	0.00232	Q C108 J	0.0196	0.00174	ng/L
PCB 125 (BZ)	0.130	C86	0.0196	0.00193	ng/L
PCB 126 (BZ)	ND		0.0196	0.00180	ng/L
PCB 127 (BZ)	ND		0.0196	0.00163	ng/L
PCB 128 (BZ)	0.0216	C	0.0196	0.00185	ng/L
PCB 129 (BZ)	0.141	B C	0.0196	0.00189	ng/L
PCB 130 (BZ)	0.0112	J	0.0196	0.00250	ng/L
PCB 131 (BZ)	ND		0.0196	0.00253	ng/L
PCB 132 (BZ)	0.0557	B	0.0196	0.00245	ng/L
PCB 133 (BZ)	0.00637	J	0.0196	0.00224	ng/L
PCB 134 (BZ)	0.0135	C J	0.0196	0.00250	ng/L
PCB 135 (BZ)	0.0642	Q C J	0.0196	0.00206	ng/L
PCB 136 (BZ)	0.0222	B	0.0196	0.00149	ng/L
PCB 137 (BZ)	0.0131	Q C J	0.0196	0.00184	ng/L
PCB 138 (BZ)	0.141	B C129	0.0196	0.00189	ng/L
PCB 139 (BZ)	0.00364	Q C J	0.0196	0.00210	ng/L
PCB 140 (BZ)	0.00364	Q C139 J	0.0196	0.00210	ng/L
PCB 141 (BZ)	0.0205	Q B J	0.0196	0.00235	ng/L
PCB 142 (BZ)	ND		0.0196	0.00247	ng/L
PCB 143 (BZ)	0.0135	C134 J	0.0196	0.00250	ng/L
PCB 144 (BZ)	0.00424	J	0.0196	0.00199	ng/L

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU2A-06-0816

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 004	**Work Order #....:**	JC4PR2AA	**Matrix....:**	WATER
Date Sampled....:	08/16/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0196	0.00147	ng/L
PCB 146 (BZ)	**0.0329**		**0.0196**	**0.00202**	**ng/L**
PCB 147 (BZ)	**0.135**	**B C**	**0.0196**	**0.00211**	**ng/L**
PCB 148 (BZ)	ND		0.0196	0.00204	ng/L
PCB 149 (BZ)	**0.135**	**B C147**	**0.0196**	**0.00211**	**ng/L**
PCB 150 (BZ)	ND		0.0196	0.00142	ng/L
PCB 151 (BZ)	**0.0642**	**Q C135 J**	**0.0196**	**0.00206**	**ng/L**
PCB 152 (BZ)	ND		0.0196	0.00141	ng/L
PCB 153 (BZ)	**0.114**	**B C**	**0.0196**	**0.00163**	**ng/L**
PCB 154 (BZ)	**0.00726**	**J**	**0.0196**	**0.00167**	**ng/L**
PCB 155 (BZ)	ND		0.0196	0.00133	ng/L
PCB 156 (BZ)	**0.0130**	**Q C J**	**0.0196**	**0.00163**	**ng/L**
PCB 157 (BZ)	**0.0130**	**Q C156 J**	**0.0196**	**0.00163**	**ng/L**
PCB 158 (BZ)	**0.00958**	**Q J**	**0.0196**	**0.00145**	**ng/L**
PCB 159 (BZ)	ND		0.0196	0.00158	ng/L
PCB 160 (BZ)	**0.141**	**B C129**	**0.0196**	**0.00189**	**ng/L**
PCB 161 (BZ)	ND		0.0196	0.00154	ng/L
PCB 162 (BZ)	ND		0.0196	0.00157	ng/L
PCB 163 (BZ)	**0.141**	**B C129**	**0.0196**	**0.00189**	**ng/L**
PCB 164 (BZ)	**0.0131**	**Q C137 J**	**0.0196**	**0.00184**	**ng/L**
PCB 165 (BZ)	ND		0.0196	0.00176	ng/L
PCB 166 (BZ)	**0.0216**	**C128**	**0.0196**	**0.00185**	**ng/L**
PCB 167 (BZ)	**0.00424**	**J**	**0.0196**	**0.00117**	**ng/L**
PCB 168 (BZ)	**0.114**	**B C153**	**0.0196**	**0.00163**	**ng/L**
PCB 169 (BZ)	ND		0.0196	0.00170	ng/L
PCB 170 (BZ)	**0.0245**		**0.0196**	**0.00180**	**ng/L**
PCB 171 (BZ)	**0.0103**	**C J**	**0.0196**	**0.00181**	**ng/L**
PCB 172 (BZ)	**0.00467**	**Q J**	**0.0196**	**0.00181**	**ng/L**
PCB 173 (BZ)	**0.0103**	**C171 J**	**0.0196**	**0.00181**	**ng/L**
PCB 174 (BZ)	**0.0259**		**0.0196**	**0.00164**	**ng/L**
PCB 175 (BZ)	ND		0.0196	0.00160	ng/L
PCB 176 (BZ)	**0.00375**	**Q J**	**0.0196**	**0.00119**	**ng/L**
PCB 177 (BZ)	**0.0182**	**J**	**0.0196**	**0.00173**	**ng/L**
PCB 178 (BZ)	**0.00835**	**Q J**	**0.0196**	**0.00173**	**ng/L**
PCB 179 (BZ)	**0.0135**	**Q J**	**0.0196**	**0.00125**	**ng/L**
PCB 180 (BZ)	**0.0537**	**B C**	**0.0196**	**0.00135**	**ng/L**

MM 10-31-06

Shaw E & I Inc

Sample ID: OU2A-06-0816

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 004	**Work Order #....:**	JC4PR2AA	**Matrix....:**	WATER
Date Sampled....:	08/16/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0196	0.00156	ng/L
PCB 182 (BZ)	ND		0.0196	0.00151	ng/L
PCB 183 (BZ)	**0.0172**	**C J**	**0.0196**	**0.00160**	**ng/L**
PCB 184 (BZ)	ND		0.0196	0.00126	ng/L
PCB 185 (BZ)	**0.0172**	**C183 J**	**0.0196**	**0.00160**	**ng/L**
PCB 186 (BZ)	ND		0.0196	0.00124	ng/L
PCB 187 (BZ)	**0.0460**		**0.0196**	**0.00148**	**ng/L**
PCB 188 (BZ)	ND		0.0196	0.00117	ng/L
PCB 189 (BZ)	ND		0.0196	0.00127	ng/L
PCB 190 (BZ)	**0.00514**	**Q J**	**0.0196**	**0.00124**	**ng/L**
PCB 191 (BZ)	ND		0.0196	0.00118	ng/L
PCB 192 (BZ)	ND		0.0196	0.00134	ng/L
PCB 193 (BZ)	**0.0537**	**B C180**	**0.0196**	**0.00135**	**ng/L**
PCB 194 (BZ)	**0.0133**	**Q J**	**0.0196**	**0.00164**	**ng/L**
PCB 195 (BZ)	**0.00541**	**Q J**	**0.0196**	**0.00180**	**ng/L**
PCB 196 (BZ)	**0.00903**	**J**	**0.0196**	**0.00155**	**ng/L**
PCB 197 (BZ)	**0.00164**	**Q C J**	**0.0196**	**0.00107**	**ng/L**
PCB 198 (BZ)	**0.0266**	**C**	**0.0196**	**0.00156**	**ng/L**
PCB 201 (BZ)/199 (IUPAC)	**0.0266**	**C198**	**0.0196**	**0.00156**	**ng/L**
PCB 199 (BZ)/200 (IUPAC)	**0.00164**	**Q C197 J**	**0.0196**	**0.00107**	**ng/L**
PCB 200 (BZ)/201 (IUPAC)	**0.00273**	**Q J**	**0.0196**	**0.00103**	**ng/L**
PCB 202 (BZ)	**0.00670**	**J**	**0.0196**	**0.00116**	**ng/L**
PCB 203 (BZ)	**0.0164**	**J**	**0.0196**	**0.00140**	**ng/L**
PCB 204 (BZ)	ND		0.0196	0.00109	ng/L
PCB 205 (BZ)	ND		0.0196	0.00133	ng/L
PCB 206 (BZ)	**0.0124**	**Q J**	**0.0196**	**0.00173**	**ng/L**
PCB 207 (BZ)	**0.00212**	**Q J**	**0.0196**	**0.00111**	**ng/L**
PCB 208 (BZ)	**0.00451**	**J**	**0.0196**	**0.00111**	**ng/L**
PCB 209 (BZ)	**0.00939**	**J**	**0.0196**	**0.00169**	**ng/L**

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU2A-06-0816

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 004	**Work Order #....:**	JC4PR2AA	**Matrix....:**	WATER
Date Sampled....:	08/16/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	43		30 - 140
13C12-PCB 3	41		30 - 140
13C12-PCB 4	60		30 - 140
13C12-PCB 15	56		30 - 140
13C12-PCB 19	61		30 - 140
13C12-PCB 37	68		30 - 140
13C12-PCB 54	79		30 - 140
13C12-PCB 77	65		30 - 140
13C12-PCB 81	63		30 - 140
13C12-PCB 104	61		30 - 140
13C12-PCB 105	76		30 - 140
13C12-PCB 114	73		30 - 140
13C12-PCB 118	75		30 - 140
13C12-PCB 123	71		30 - 140
13C12-PCB 126	67		30 - 140
13C12-PCB 155	80		30 - 140
13C12-PCB 156	73	C	30 - 140
13C12-PCB 157	73	C	30 - 140
13C12-PCB 167	72		30 - 140
13C12-PCB 169	50		30 - 140
13C12-PCB 170	78		30 - 140
13C12-PCB 188	69		30 - 140
13C12-PCB 189	66		30 - 140
13C12-PCB 202	87		30 - 140
13C12-PCB 205	75		30 - 140
13C12-PCB 206	86		30 - 140
13C12-PCB 208	93		30 - 140
13C12-PCB 209	94		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	100	40 - 125
13C12-PCB 111	98	40 - 125
13C12-PCB 178	95	40 - 125

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU2A-06-0816

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 004	**Work Order #....:**	JC4PR2AA	**Matrix....:**	WATER
Date Sampled....:	08/16/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

10-31-06

Shaw E & I Inc

Sample ID: OU2B-06-0818

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 001	Work Order #....:	JC4N92AA	Matrix....:	WATER
Date Sampled....:	08/18/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.0166	B J U	0.0196	0.000849	ng/L
PCB 2 (BZ)	ND		0.0196	0.00108	ng/L
PCB 3 (BZ)	0.0121	J	0.0196	0.00125	ng/L
PCB 4 (BZ)	0.526	B	0.0294	0.00466	ng/L
PCB 5 (BZ)	0.00375	Q J	0.0196	0.00386	ng/L
PCB 6 (BZ)	0.152	B	0.0196	0.00339	ng/L
PCB 7 (BZ)	0.0139	Q B J U	0.0196	0.00353	ng/L
PCB 8 (BZ)	0.285	B	0.0294	0.00338	ng/L
PCB 9 (BZ)	0.0122	Q B J	0.0196	0.00344	ng/L
PCB 10 (BZ)	0.0173	Q J	0.0196	0.00375	ng/L
PCB 11 (BZ)	0.630	B	0.0294	0.00369	ng/L
PCB 12 (BZ)	0.0533	B C	0.0294	0.00361	ng/L
PCB 13 (BZ)	0.0533	B C12	0.0294	0.00361	ng/L
PCB 14 (BZ)	ND		0.0196	0.00303	ng/L
PCB 15 (BZ)	0.240	B	0.0196	0.00372	ng/L
PCB 16 (BZ)	0.185		0.0196	0.00363	ng/L
PCB 17 (BZ)	0.488	B	0.0196	0.00313	ng/L
PCB 18 (BZ)	0.716	B C	0.0294	0.00264	ng/L
PCB 19 (BZ)	0.121		0.0196	0.00348	ng/L
PCB 20 (BZ)	0.996	B C	0.0196	0.00268	ng/L
PCB 21 (BZ)	0.234	B C	0.0196	0.00267	ng/L
PCB 22 (BZ)	0.207	B	0.0196	0.00285	ng/L
PCB 23 (BZ)	ND		0.0196	0.00287	ng/L
PCB 24 (BZ)	0.00880	J	0.0196	0.00231	ng/L
PCB 25 (BZ)	0.166		0.0196	0.00243	ng/L
PCB 26 (BZ)	0.298	B C	0.0196	0.00272	ng/L
PCB 27 (BZ)	0.0945		0.0196	0.00217	ng/L
PCB 28 (BZ)	0.996	B C20	0.0196	0.00268	ng/L
PCB 29 (BZ)	0.298	B C26	0.0196	0.00272	ng/L
PCB 30 (BZ)	0.716	B C18	0.0294	0.00264	ng/L
PCB 31 (BZ)	0.874	B	0.0196	0.00268	ng/L
PCB 32 (BZ)	0.0381	B	0.0196	0.00204	ng/L
PCB 33 (BZ)	0.234	B C21	0.0196	0.00267	ng/L
PCB 34 (BZ)	0.0120	J	0.0196	0.00283	ng/L
PCB 35 (BZ)	0.00863	Q J	0.0196	0.00296	ng/L
PCB 36 (BZ)	ND		0.0196	0.00290	ng/L

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU2B-06-0818

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 001	Work Order #....:	JC4N92AA	Matrix....:	WATER
Date Sampled....:	08/18/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.162		0.0196	0.00294	ng/L
PCB 38 (BZ)	ND		0.0196	0.00279	ng/L
PCB 39 (BZ)	0.00574	J	0.0196	0.00264	ng/L
PCB 40 (BZ)	0.221	B C	0.0196	0.00290	ng/L
PCB 41 (BZ)	0.221	B C40	0.0196	0.00290	ng/L
PCB 42 (BZ)	0.146	B	0.0196	0.00302	ng/L
PCB 43 (BZ)	0.0242	C	0.0196	0.00270	ng/L
PCB 44 (BZ)	0.581	B C	0.0196	0.00252	ng/L
PCB 45 (BZ)	0.0886	C	0.0196	0.00297	ng/L
PCB 46 (BZ)	0.0505		0.0196	0.00367	ng/L
PCB 47 (BZ)	0.581	B C44	0.0196	0.00252	ng/L
PCB 48 (BZ)	0.0868	B	0.0196	0.00299	ng/L
PCB 49 (BZ)	0.432	B C	0.0196	0.00234	ng/L
PCB 50 (BZ)	0.118	B C	0.0196	0.00275	ng/L
PCB 51 (BZ)	0.0886	C45	0.0196	0.00297	ng/L
PCB 52 (BZ)	0.637	B	0.0196	0.00278	ng/L
PCB 53 (BZ)	0.118	B C50	0.0196	0.00275	ng/L
PCB 54 (BZ)	0.00552	J	0.0196	0.00216	ng/L
PCB 55 (BZ)	ND		0.0196	0.00222	ng/L
PCB 56 (BZ)	0.151		0.0196	0.00210	ng/L
PCB 57 (BZ)	0.00677	Q J	0.0196	0.00210	ng/L
PCB 58 (BZ)	0.00430	Q J	0.0196	0.00205	ng/L
PCB 59 (BZ)	0.0636	C	0.0196	0.00198	ng/L
PCB 60 (BZ)	0.0570		0.0196	0.00224	ng/L
PCB 61 (BZ)	0.522	B C	0.0196	0.00198	ng/L
PCB 62 (BZ)	0.0636	C59	0.0196	0.00198	ng/L
PCB 63 (BZ)	0.0221	Q J	0.0196	0.00190	ng/L
PCB 64 (BZ)	0.167	B	0.0196	0.00189	ng/L
PCB 65 (BZ)	0.581	B C44	0.0196	0.00252	ng/L
PCB 66 (BZ)	0.348	B	0.0196	0.00202	ng/L
PCB 67 (BZ)	0.0149	J	0.0196	0.00181	ng/L
PCB 68 (BZ)	0.00783	Q J	0.0196	0.00195	ng/L
PCB 69 (BZ)	0.432	B C49	0.0196	0.00234	ng/L
PCB 70 (BZ)	0.522	B C61	0.0196	0.00198	ng/L
PCB 71 (BZ)	0.221	B C40	0.0196	0.00290	ng/L
PCB 72 (BZ)	0.0105	Q J	0.0196	0.00210	ng/L

10-31-06

Shaw E & I Inc

Sample ID: OU2B-06-0818

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 001	**Work Order #....:**	JC4N92AA	**Matrix....:**	WATER
Date Sampled....:	08/18/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.0242	C43	0.0196	0.00270	ng/L
PCB 74 (BZ)	0.522	B C61	0.0196	0.00198	ng/L
PCB 75 (BZ)	0.0636	C59	0.0196	0.00198	ng/L
PCB 76 (BZ)	0.522	B C61	0.0196	0.00198	ng/L
PCB 77 (BZ)	0.0379		0.0196	0.00211	ng/L
PCB 78 (BZ)	ND		0.0196	0.00228	ng/L
PCB 79 (BZ)	0.00260	Q J	0.0196	0.00175	ng/L
PCB 80 (BZ)	ND		0.0196	0.00194	ng/L
PCB 81 (BZ)	ND		0.0196	0.00206	ng/L
PCB 82 (BZ)	0.0305		0.0196	0.00303	ng/L
PCB 83 (BZ)	0.180	C	0.0196	0.00258	ng/L
PCB 84 (BZ)	0.0836		0.0196	0.00302	ng/L
PCB 85 (BZ)	0.0370	Q C J	0.0196	0.00208	ng/L
PCB 86 (BZ)	0.130	C	0.0196	0.00208	ng/L
PCB 87 (BZ)	0.130	C86	0.0196	0.00208	ng/L
PCB 88 (BZ)	0.0593	C	0.0196	0.00260	ng/L
PCB 89 (BZ)	ND		0.0196	0.00287	ng/L
PCB 90 (BZ)	0.230	B C	0.0196	0.00210	ng/L
PCB 91 (BZ)	0.0593	C88	0.0196	0.00260	ng/L
PCB 92 (BZ)	0.0637		0.0196	0.00251	ng/L
PCB 93 (BZ)	0.00483	Q C J	0.0196	0.00246	ng/L
PCB 94 (BZ)	ND		0.0196	0.00285	ng/L
PCB 95 (BZ)	0.198	B	0.0196	0.00252	ng/L
PCB 96 (BZ)	ND		0.0196	0.00197	ng/L
PCB 97 (BZ)	0.130	C86	0.0196	0.00208	ng/L
PCB 98 (BZ)	0.0169	Q C J	0.0196	0.00243	ng/L
PCB 99 (BZ)	0.180	C83	0.0196	0.00258	ng/L
PCB 100 (BZ)	0.00483	Q C93 J	0.0196	0.00246	ng/L
PCB 101 (BZ)	0.230	B C90	0.0196	0.00210	ng/L
PCB 102 (BZ)	0.0169	Q C98 J	0.0196	0.00243	ng/L
PCB 103 (BZ)	0.00665	Q J	0.0196	0.00240	ng/L
PCB 104 (BZ)	ND		0.0196	0.00178	ng/L
PCB 105 (BZ)	0.0490		0.0196	0.00172	ng/L
PCB 106 (BZ)	ND		0.0196	0.00202	ng/L
PCB 107 (BZ)/109 (IUPAC)	0.0237		0.0196	0.00192	ng/L
PCB 108 (BZ)/107 (IUPAC)	0.00446	Q C J	0.0196	0.00196	ng/L

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Shaw E & I Inc

Sample ID: OU2B-06-0818

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 001	**Work Order #....:**	JC4N92AA	**Matrix....:**	WATER
Date Sampled....:	08/18/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.130**	**C86**	**0.0196**	**0.00208**	**ng/L**
PCB 110 (BZ)	**0.272**	**B C**	**0.0196**	**0.00180**	**ng/L**
PCB 111 (BZ)	ND		0.0196	0.00172	ng/L
PCB 112 (BZ)	ND		0.0196	0.00186	ng/L
PCB 113 (BZ)	**0.230**	**B C90**	**0.0196**	**0.00210**	**ng/L**
PCB 114 (BZ)	ND		0.0196	0.00167	ng/L
PCB 115 (BZ)	**0.272**	**B C110**	**0.0196**	**0.00180**	**ng/L**
PCB 116 (BZ)	**0.0370**	**Q C85** J	**0.0196**	**0.00208**	**ng/L**
PCB 117 (BZ)	**0.0370**	**Q C85** J	**0.0196**	**0.00208**	**ng/L**
PCB 118 (BZ)	**0.157**	**B**	**0.0196**	**0.00176**	**ng/L**
PCB 119 (BZ)	**0.130**	**C86**	**0.0196**	**0.00208**	**ng/L**
PCB 120 (BZ)	ND		0.0196	0.00175	ng/L
PCB 121 (BZ)	ND		0.0196	0.00181	ng/L
PCB 122 (BZ)	ND		0.0196	0.00204	ng/L
PCB 123 (BZ)	**0.00182**	**Q J**	**0.0196**	**0.00171**	**ng/L**
PCB 124 (BZ)	**0.00446**	**Q C108 J**	**0.0196**	**0.00196**	**ng/L**
PCB 125 (BZ)	**0.130**	**C86**	**0.0196**	**0.00208**	**ng/L**
PCB 126 (BZ)	ND		0.0196	0.00205	ng/L
PCB 127 (BZ)	ND		0.0196	0.00183	ng/L
PCB 128 (BZ)	**0.0226**	**C**	**0.0196**	**0.00224**	**ng/L**
PCB 129 (BZ)	**0.143**	**B C**	**0.0196**	**0.00229**	**ng/L**
PCB 130 (BZ)	**0.0110**	**Q J**	**0.0196**	**0.00303**	**ng/L**
PCB 131 (BZ)	ND		0.0196	0.00307	ng/L
PCB 132 (BZ)	**0.0537**	**B**	**0.0196**	**0.00297**	**ng/L**
PCB 133 (BZ)	**0.00525**	**J**	**0.0196**	**0.00271**	**ng/L**
PCB 134 (BZ)	**0.0117**	**C J**	**0.0196**	**0.00303**	**ng/L**
PCB 135 (BZ)	**0.0617**	**C**	**0.0196**	**0.00253**	**ng/L**
PCB 136 (BZ)	**0.0159**	**Q B J**	**0.0196**	**0.00184**	**ng/L**
PCB 137 (BZ)	**0.0163**	**C J**	**0.0196**	**0.00223**	**ng/L**
PCB 138 (BZ)	**0.143**	**B C129**	**0.0196**	**0.00229**	**ng/L**
PCB 139 (BZ)	ND		0.0196	0.00254	ng/L
PCB 140 (BZ)	ND		0.0196	0.00254	ng/L
PCB 141 (BZ)	**0.0214**	**Q B** J	**0.0196**	**0.00285**	**ng/L**
PCB 142 (BZ)	ND		0.0196	0.00299	ng/L
PCB 143 (BZ)	**0.0117**	**C134 J**	**0.0196**	**0.00303**	**ng/L**
PCB 144 (BZ)	ND		0.0196	0.00245	ng/L

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Shaw E & I Inc

Sample ID: OU2B-06-0818

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 001	Work Order #....:	JC4N92AA	Matrix....:	WATER
Date Sampled....:	08/18/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0196	0.00181	ng/L
PCB 146 (BZ)	0.0320		0.0196	0.00244	ng/L
PCB 147 (BZ)	0.122	B C	0.0196	0.00255	ng/L
PCB 148 (BZ)	ND		0.0196	0.00251	ng/L
PCB 149 (BZ)	0.122	B C147	0.0196	0.00255	ng/L
PCB 150 (BZ)	ND		0.0196	0.00175	ng/L
PCB 151 (BZ)	0.0617	C135	0.0196	0.00253	ng/L
PCB 152 (BZ)	ND		0.0196	0.00174	ng/L
PCB 153 (BZ)	0.117	B C	0.0196	0.00197	ng/L
PCB 154 (BZ)	0.00740	J	0.0196	0.00206	ng/L
PCB 155 (BZ)	ND		0.0196	0.00164	ng/L
PCB 156 (BZ)	0.0134	C J	0.0196	0.00195	ng/L
PCB 157 (BZ)	0.0134	C156 J	0.0196	0.00195	ng/L
PCB 158 (BZ)	0.0128	J	0.0196	0.00176	ng/L
PCB 159 (BZ)	ND		0.0196	0.00192	ng/L
PCB 160 (BZ)	0.143	B C129	0.0196	0.00229	ng/L
PCB 161 (BZ)	ND		0.0196	0.00187	ng/L
PCB 162 (BZ)	ND		0.0196	0.00190	ng/L
PCB 163 (BZ)	0.143	B C129	0.0196	0.00229	ng/L
PCB 164 (BZ)	0.0163	C137 J	0.0196	0.00223	ng/L
PCB 165 (BZ)	ND		0.0196	0.00213	ng/L
PCB 166 (BZ)	0.0226	C128	0.0196	0.00224	ng/L
PCB 167 (BZ)	0.00460	J	0.0196	0.00144	ng/L
PCB 168 (BZ)	0.117	B C153	0.0196	0.00197	ng/L
PCB 169 (BZ)	ND		0.0196	0.00208	ng/L
PCB 170 (BZ)	0.0245	Q J	0.0196	0.00203	ng/L
PCB 171 (BZ)	0.00757	Q C J	0.0196	0.00205	ng/L
PCB 172 (BZ)	0.00526	Q J	0.0196	0.00204	ng/L
PCB 173 (BZ)	0.00757	Q C171 J	0.0196	0.00205	ng/L
PCB 174 (BZ)	0.0312		0.0196	0.00186	ng/L
PCB 175 (BZ)	ND		0.0196	0.00181	ng/L
PCB 176 (BZ)	0.00405	Q J	0.0196	0.00134	ng/L
PCB 177 (BZ)	0.0207		0.0196	0.00196	ng/L
PCB 178 (BZ)	0.0122	J	0.0196	0.00195	ng/L
PCB 179 (BZ)	0.0157	J	0.0196	0.00142	ng/L
PCB 180 (BZ)	0.0591	B C	0.0196	0.00152	ng/L

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Shaw E & I Inc

Sample ID: OU2B-06-0818

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 001	**Work Order #....:**	JC4N92AA	**Matrix....:**	WATER
Date Sampled....:	08/18/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0196	0.00176	ng/L
PCB 182 (BZ)	ND		0.0196	0.00171	ng/L
PCB 183 (BZ)	**0.0181**	**C J**	**0.0196**	**0.00181**	**ng/L**
PCB 184 (BZ)	ND		0.0196	0.00143	ng/L
PCB 185 (BZ)	**0.0181**	**C183 J**	**0.0196**	**0.00181**	**ng/L**
PCB 186 (BZ)	ND		0.0196	0.00141	ng/L
PCB 187 (BZ)	**0.0475**		**0.0196**	**0.00168**	**ng/L**
PCB 188 (BZ)	ND		0.0196	0.00132	ng/L
PCB 189 (BZ)	ND		0.0196	0.00147	ng/L
PCB 190 (BZ)	**0.00647**	**J**	**0.0196**	**0.00140**	**ng/L**
PCB 191 (BZ)	ND		0.0196	0.00134	ng/L
PCB 192 (BZ)	ND		0.0196	0.00152	ng/L
PCB 193 (BZ)	**0.0591**	**B C180**	**0.0196**	**0.00152**	**ng/L**
PCB 194 (BZ)	**0.0198**		**0.0196**	**0.00177**	**ng/L**
PCB 195 (BZ)	**0.00707**	**Q J**	**0.0196**	**0.00193**	**ng/L**
PCB 196 (BZ)	**0.0104**	**Q J**	**0.0196**	**0.00167**	**ng/L**
PCB 197 (BZ)	**0.00411**	**Q C J**	**0.0196**	**0.00116**	**ng/L**
PCB 198 (BZ)	**0.0349**	**Q C J**	**0.0196**	**0.00168**	**ng/L**
PCB 201 (BZ)/199 (IUPAC)	**0.0349**	**Q C198 J**	**0.0196**	**0.00168**	**ng/L**
PCB 199 (BZ)/200 (IUPAC)	**0.00411**	**Q C197 J**	**0.0196**	**0.00116**	**ng/L**
PCB 200 (BZ)/201 (IUPAC)	**0.00451**	**J**	**0.0196**	**0.00111**	**ng/L**
PCB 202 (BZ)	**0.00891**	**J**	**0.0196**	**0.00125**	**ng/L**
PCB 203 (BZ)	**0.0193**	**J**	**0.0196**	**0.00151**	**ng/L**
PCB 204 (BZ)	ND		0.0196	0.00118	ng/L
PCB 205 (BZ)	ND		0.0196	0.00143	ng/L
PCB 206 (BZ)	**0.0414**	**Q J**	**0.0196**	**0.00131**	**ng/L**
PCB 207 (BZ)	**0.00530**	**Q J**	**0.0196**	**0.000870**	**ng/L**
PCB 208 (BZ)	**0.0140**	**Q J**	**0.0196**	**0.000881**	**ng/L**
PCB 209 (BZ)	**0.0237**		**0.0196**	**0.00109**	**ng/L**

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Shaw E & I Inc

Sample ID: OU2B-06-0818

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 001	**Work Order #....:**	JC4N92AA	**Matrix....:**	WATER
Date Sampled....:	08/18/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	33		30 - 140
13C12-PCB 3	31		30 - 140
13C12-PCB 4	46		30 - 140
13C12-PCB 15	47		30 - 140
13C12-PCB 19	51		30 - 140
13C12-PCB 37	60		30 - 140
13C12-PCB 54	72		30 - 140
13C12-PCB 77	58		30 - 140
13C12-PCB 81	58		30 - 140
13C12-PCB 104	58		30 - 140
13C12-PCB 105	71		30 - 140
13C12-PCB 114	68		30 - 140
13C12-PCB 118	70		30 - 140
13C12-PCB 123	67		30 - 140
13C12-PCB 126	61		30 - 140
13C12-PCB 155	77		30 - 140
13C12-PCB 156	67	C	30 - 140
13C12-PCB 157	67	C	30 - 140
13C12-PCB 167	66		30 - 140
13C12-PCB 169	46		30 - 140
13C12-PCB 170	70		30 - 140
13C12-PCB 188	65		30 - 140
13C12-PCB 189	62		30 - 140
13C12-PCB 202	81		30 - 140
13C12-PCB 205	69		30 - 140
13C12-PCB 206	79		30 - 140
13C12-PCB 208	85		30 - 140
13C12-PCB 209	86		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	96	40 - 125
13C12-PCB 111	98	40 - 125
13C12-PCB 178	94	40 - 125

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Shaw E & I Inc

Sample ID: OU2B-06-0818

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 001	**Work Order #....:**	JC4N92AA	**Matrix....:**	WATER
Date Sampled....:	08/18/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

MAW 10 31-06

Shaw E & I Inc

Sample ID: OU2C-06-0816

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 005	Work Order #....:	JC4PW2AA	Matrix....:	WATER
Date Sampled....:	08/16/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.0119	Q B J U	0.0196	0.000763	ng/L
PCB 2 (BZ)	0.00414	Q B J U	0.0196	0.000969	ng/L
PCB 3 (BZ)	0.00907	J	0.0196	0.00112	ng/L
PCB 4 (BZ)	0.357	B	0.0294	0.00418	ng/L
PCB 5 (BZ)	ND		0.0196	0.00356	ng/L
PCB 6 (BZ)	0.123	B	0.0196	0.00313	ng/L
PCB 7 (BZ)	0.0124	B J	0.0196	0.00325	ng/L
PCB 8 (BZ)	0.247	B	0.0294	0.00312	ng/L
PCB 9 (BZ)	0.00849	Q B J U	0.0196	0.00317	ng/L
PCB 10 (BZ)	0.0138	Q J	0.0196	0.00346	ng/L
PCB 11 (BZ)	1.39	B	0.0294	0.00341	ng/L
PCB 12 (BZ)	0.0786	B C	0.0294	0.00333	ng/L
PCB 13 (BZ)	0.0786	B C12	0.0294	0.00333	ng/L
PCB 14 (BZ)	ND		0.0196	0.00280	ng/L
PCB 15 (BZ)	0.183	B	0.0196	0.00351	ng/L
PCB 16 (BZ)	0.146		0.0196	0.00350	ng/L
PCB 17 (BZ)	0.367	B	0.0196	0.00302	ng/L
PCB 18 (BZ)	0.551	B C	0.0294	0.00254	ng/L
PCB 19 (BZ)	0.0882		0.0196	0.00336	ng/L
PCB 20 (BZ)	0.780	B C	0.0196	0.00257	ng/L
PCB 21 (BZ)	0.174	B C	0.0196	0.00256	ng/L
PCB 22 (BZ)	0.162	B	0.0196	0.00274	ng/L
PCB 23 (BZ)	ND		0.0196	0.00275	ng/L
PCB 24 (BZ)	0.00327	Q J	0.0196	0.00223	ng/L
PCB 25 (BZ)	0.120		0.0196	0.00233	ng/L
PCB 26 (BZ)	0.216	B C	0.0196	0.00261	ng/L
PCB 27 (BZ)	0.0628	Q J	0.0196	0.00209	ng/L
PCB 28 (BZ)	0.780	B C20	0.0196	0.00257	ng/L
PCB 29 (BZ)	0.216	B C26	0.0196	0.00261	ng/L
PCB 30 (BZ)	0.551	B C18	0.0294	0.00254	ng/L
PCB 31 (BZ)	0.690	B	0.0196	0.00257	ng/L
PCB 32 (BZ)	0.0248	B	0.0196	0.00197	ng/L
PCB 33 (BZ)	0.174	B C21	0.0196	0.00256	ng/L
PCB 34 (BZ)	0.00748	Q J	0.0196	0.00271	ng/L
PCB 35 (BZ)	0.00939	Q J	0.0196	0.00284	ng/L
PCB 36 (BZ)	ND		0.0196	0.00278	ng/L

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Shaw E & I Inc

Sample ID: OU2C-06-0816

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 005	**Work Order #....:**	JC4PW2AA	**Matrix....:**	WATER
Date Sampled....:	08/16/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.125		0.0196	0.00282	ng/L
PCB 38 (BZ)	ND		0.0196	0.00268	ng/L
PCB 39 (BZ)	0.00390	J	0.0196	0.00253	ng/L
PCB 40 (BZ)	0.181	B C	0.0196	0.00296	ng/L
PCB 41 (BZ)	0.181	B C40	0.0196	0.00296	ng/L
PCB 42 (BZ)	0.113	B	0.0196	0.00308	ng/L
PCB 43 (BZ)	0.0213	Q C J	0.0196	0.00276	ng/L
PCB 44 (BZ)	0.447	B C	0.0196	0.00257	ng/L
PCB 45 (BZ)	0.0649	C	0.0196	0.00303	ng/L
PCB 46 (BZ)	0.0362		0.0196	0.00375	ng/L
PCB 47 (BZ)	0.447	B C44	0.0196	0.00257	ng/L
PCB 48 (BZ)	0.0709	B	0.0196	0.00305	ng/L
PCB 49 (BZ)	0.339	B C	0.0196	0.00239	ng/L
PCB 50 (BZ)	0.0908	B C	0.0196	0.00281	ng/L
PCB 51 (BZ)	0.0649	C45	0.0196	0.00303	ng/L
PCB 52 (BZ)	0.507	B	0.0196	0.00284	ng/L
PCB 53 (BZ)	0.0908	B C50	0.0196	0.00281	ng/L
PCB 54 (BZ)	ND		0.0196	0.00230	ng/L
PCB 55 (BZ)	0.0125	J	0.0196	0.00227	ng/L
PCB 56 (BZ)	0.126		0.0196	0.00215	ng/L
PCB 57 (BZ)	0.00520	Q J	0.0196	0.00215	ng/L
PCB 58 (BZ)	0.00225	Q J	0.0196	0.00209	ng/L
PCB 59 (BZ)	0.0462	C	0.0196	0.00202	ng/L
PCB 60 (BZ)	0.0394		0.0196	0.00229	ng/L
PCB 61 (BZ)	0.435	B C	0.0196	0.00202	ng/L
PCB 62 (BZ)	0.0462	C59	0.0196	0.00202	ng/L
PCB 63 (BZ)	0.0172	J	0.0196	0.00194	ng/L
PCB 64 (BZ)	0.134	B	0.0196	0.00193	ng/L
PCB 65 (BZ)	0.447	B C44	0.0196	0.00257	ng/L
PCB 66 (BZ)	0.280	B	0.0196	0.00206	ng/L
PCB 67 (BZ)	0.0119	J	0.0196	0.00185	ng/L
PCB 68 (BZ)	0.00835	J	0.0196	0.00199	ng/L
PCB 69 (BZ)	0.339	B C49	0.0196	0.00239	ng/L
PCB 70 (BZ)	0.435	B C61	0.0196	0.00202	ng/L
PCB 71 (BZ)	0.181	B C40	0.0196	0.00296	ng/L
PCB 72 (BZ)	0.00814	Q J	0.0196	0.00215	ng/L

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Shaw E & I Inc

Sample ID: OU2C-06-0816

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 005	**Work Order #....:**	JC4PW2AA	**Matrix....:**	WATER
Date Sampled....:	08/16/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.0213	Q C43 J	0.0196	0.00276	ng/L
PCB 74 (BZ)	0.435	B C61	0.0196	0.00202	ng/L
PCB 75 (BZ)	0.0462	C59	0.0196	0.00202	ng/L
PCB 76 (BZ)	0.435	B C61	0.0196	0.00202	ng/L
PCB 77 (BZ)	0.0307		0.0196	0.00217	ng/L
PCB 78 (BZ)	ND		0.0196	0.00233	ng/L
PCB 79 (BZ)	0.00238	Q J	0.0196	0.00178	ng/L
PCB 80 (BZ)	ND		0.0196	0.00198	ng/L
PCB 81 (BZ)	ND		0.0196	0.00209	ng/L
PCB 82 (BZ)	0.0206		0.0196	0.00319	ng/L
PCB 83 (BZ)	0.137	C	0.0196	0.00272	ng/L
PCB 84 (BZ)	0.0589		0.0196	0.00318	ng/L
PCB 85 (BZ)	0.0310	C	0.0196	0.00219	ng/L
PCB 86 (BZ)	0.0995	C	0.0196	0.00218	ng/L
PCB 87 (BZ)	0.0995	C86	0.0196	0.00218	ng/L
PCB 88 (BZ)	0.0439	C	0.0196	0.00274	ng/L
PCB 89 (BZ)	ND		0.0196	0.00301	ng/L
PCB 90 (BZ)	0.177	B C	0.0196	0.00221	ng/L
PCB 91 (BZ)	0.0439	C88	0.0196	0.00274	ng/L
PCB 92 (BZ)	0.0498		0.0196	0.00264	ng/L
PCB 93 (BZ)	0.00606	Q C J	0.0196	0.00259	ng/L
PCB 94 (BZ)	ND		0.0196	0.00299	ng/L
PCB 95 (BZ)	0.151	B	0.0196	0.00265	ng/L
PCB 96 (BZ)	ND		0.0196	0.00207	ng/L
PCB 97 (BZ)	0.0995	C86	0.0196	0.00218	ng/L
PCB 98 (BZ)	0.0105	Q C J	0.0196	0.00255	ng/L
PCB 99 (BZ)	0.137	C83	0.0196	0.00272	ng/L
PCB 100 (BZ)	0.00606	Q C93 J	0.0196	0.00259	ng/L
PCB 101 (BZ)	0.177	B C90	0.0196	0.00221	ng/L
PCB 102 (BZ)	0.0105	Q C98 J	0.0196	0.00255	ng/L
PCB 103 (BZ)	0.00407	Q J	0.0196	0.00252	ng/L
PCB 104 (BZ)	ND		0.0196	0.00187	ng/L
PCB 105 (BZ)	0.0403		0.0196	0.00178	ng/L
PCB 106 (BZ)	ND		0.0196	0.00208	ng/L
PCB 107 (BZ)/109 (IUPAC)	0.0151	J	0.0196	0.00197	ng/L
PCB 108 (BZ)/107 (IUPAC)	0.00341	C J	0.0196	0.00201	ng/L

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Shaw E & I Inc

Sample ID: OU2C-06-0816

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 005	Work Order #....:	JC4PW2AA	Matrix....:	WATER
Date Sampled....:	08/16/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.0995	C86	0.0196	0.00218	ng/L
PCB 110 (BZ)	0.210	B C	0.0196	0.00190	ng/L
PCB 111 (BZ)	ND		0.0196	0.00181	ng/L
PCB 112 (BZ)	ND		0.0196	0.00195	ng/L
PCB 113 (BZ)	0.177	B C90	0.0196	0.00221	ng/L
PCB 114 (BZ)	0.00311	Q J	0.0196	0.00170	ng/L
PCB 115 (BZ)	0.210	B C110	0.0196	0.00190	ng/L
PCB 116 (BZ)	0.0310	C85	0.0196	0.00219	ng/L
PCB 117 (BZ)	0.0310	C85	0.0196	0.00219	ng/L
PCB 118 (BZ)	0.127	B	0.0196	0.00180	ng/L
PCB 119 (BZ)	0.0995	C86	0.0196	0.00218	ng/L
PCB 120 (BZ)	ND		0.0196	0.00184	ng/L
PCB 121 (BZ)	ND		0.0196	0.00190	ng/L
PCB 122 (BZ)	ND		0.0196	0.00209	ng/L
PCB 123 (BZ)	0.00290	Q J	0.0196	0.00172	ng/L
PCB 124 (BZ)	0.00341	C108 J	0.0196	0.00201	ng/L
PCB 125 (BZ)	0.0995	C86	0.0196	0.00218	ng/L
PCB 126 (BZ)	ND		0.0196	0.00216	ng/L
PCB 127 (BZ)	ND		0.0196	0.00188	ng/L
PCB 128 (BZ)	0.0192	C J	0.0196	0.00231	ng/L
PCB 129 (BZ)	0.121	B C	0.0196	0.00235	ng/L
PCB 130 (BZ)	0.00993	J	0.0196	0.00313	ng/L
PCB 131 (BZ)	ND		0.0196	0.00316	ng/L
PCB 132 (BZ)	0.0456	B	0.0196	0.00306	ng/L
PCB 133 (BZ)	ND		0.0196	0.00279	ng/L
PCB 134 (BZ)	0.00487	Q C J	0.0196	0.00313	ng/L
PCB 135 (BZ)	0.0459	Q C J	0.0196	0.00252	ng/L
PCB 136 (BZ)	0.0149	Q B J	0.0196	0.00183	ng/L
PCB 137 (BZ)	0.0157	C J	0.0196	0.00230	ng/L
PCB 138 (BZ)	0.121	B C129	0.0196	0.00235	ng/L
PCB 139 (BZ)	ND		0.0196	0.00262	ng/L
PCB 140 (BZ)	ND		0.0196	0.00262	ng/L
PCB 141 (BZ)	0.0181	B J	0.0196	0.00294	ng/L
PCB 142 (BZ)	ND		0.0196	0.00308	ng/L
PCB 143 (BZ)	0.00487	Q C134 J	0.0196	0.00313	ng/L
PCB 144 (BZ)	ND		0.0196	0.00243	ng/L

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Shaw E & I Inc

Sample ID: OU2C-06-0816

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 005	Work Order #....:	JC4PW2AA	Matrix....:	WATER
Date Sampled....:	08/16/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0196	0.00180	ng/L
PCB 146 (BZ)	0.0262		0.0196	0.00252	ng/L
PCB 147 (BZ)	0.108	B C	0.0196	0.00263	ng/L
PCB 148 (BZ)	ND		0.0196	0.00250	ng/L
PCB 149 (BZ)	0.108	B C147	0.0196	0.00263	ng/L
PCB 150 (BZ)	ND		0.0196	0.00174	ng/L
PCB 151 (BZ)	0.0459	Q C135 J	0.0196	0.00252	ng/L
PCB 152 (BZ)	ND		0.0196	0.00173	ng/L
PCB 153 (BZ)	0.0932	B C	0.0196	0.00203	ng/L
PCB 154 (BZ)	0.00342	Q J	0.0196	0.00205	ng/L
PCB 155 (BZ)	ND		0.0196	0.00163	ng/L
PCB 156 (BZ)	0.0112	C J	0.0196	0.00206	ng/L
PCB 157 (BZ)	0.0112	C156 J	0.0196	0.00206	ng/L
PCB 158 (BZ)	0.00902	J	0.0196	0.00181	ng/L
PCB 159 (BZ)	ND		0.0196	0.00197	ng/L
PCB 160 (BZ)	0.121	B C129	0.0196	0.00235	ng/L
PCB 161 (BZ)	ND		0.0196	0.00192	ng/L
PCB 162 (BZ)	ND		0.0196	0.00195	ng/L
PCB 163 (BZ)	0.121	B C129	0.0196	0.00235	ng/L
PCB 164 (BZ)	0.0157	C137 J	0.0196	0.00230	ng/L
PCB 165 (BZ)	ND		0.0196	0.00219	ng/L
PCB 166 (BZ)	0.0192	C128 J	0.0196	0.00231	ng/L
PCB 167 (BZ)	0.00333	Q J	0.0196	0.00146	ng/L
PCB 168 (BZ)	0.0932	B C153	0.0196	0.00203	ng/L
PCB 169 (BZ)	ND		0.0196	0.00206	ng/L
PCB 170 (BZ)	0.0199		0.0196	0.00211	ng/L
PCB 171 (BZ)	0.00742	Q C J	0.0196	0.00203	ng/L
PCB 172 (BZ)	ND		0.0196	0.00203	ng/L
PCB 173 (BZ)	0.00742	Q C171 J	0.0196	0.00203	ng/L
PCB 174 (BZ)	0.0270		0.0196	0.00185	ng/L
PCB 175 (BZ)	ND		0.0196	0.00180	ng/L
PCB 176 (BZ)	ND		0.0196	0.00133	ng/L
PCB 177 (BZ)	0.0146	J	0.0196	0.00194	ng/L
PCB 178 (BZ)	0.00802	Q J	0.0196	0.00194	ng/L
PCB 179 (BZ)	0.0108	J	0.0196	0.00141	ng/L
PCB 180 (BZ)	0.0460	B C	0.0196	0.00151	ng/L

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Shaw E & I Inc

Sample ID: OU2C-06-0816

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 005	**Work Order #....:**	JC4PW2AA	**Matrix....:**	WATER
Date Sampled....:	08/16/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0196	0.00175	ng/L
PCB 182 (BZ)	ND		0.0196	0.00170	ng/L
PCB 183 (BZ)	**0.0160**	**C J**	**0.0196**	**0.00179**	**ng/L**
PCB 184 (BZ)	ND		0.0196	0.00142	ng/L
PCB 185 (BZ)	**0.0160**	**C183 J**	**0.0196**	**0.00179**	**ng/L**
PCB 186 (BZ)	ND		0.0196	0.00140	ng/L
PCB 187 (BZ)	**0.0378**		**0.0196**	**0.00167**	**ng/L**
PCB 188 (BZ)	ND		0.0196	0.00127	ng/L
PCB 189 (BZ)	ND		0.0196	0.00148	ng/L
PCB 190 (BZ)	**0.00364**	**Q J**	**0.0196**	**0.00139**	**ng/L**
PCB 191 (BZ)	ND		0.0196	0.00133	ng/L
PCB 192 (BZ)	ND		0.0196	0.00151	ng/L
PCB 193 (BZ)	**0.0460**	**B C180**	**0.0196**	**0.00151**	**ng/L**
PCB 194 (BZ)	**0.0146**	**Q J**	**0.0196**	**0.00197**	**ng/L**
PCB 195 (BZ)	**0.00621**	**J**	**0.0196**	**0.00216**	**ng/L**
PCB 196 (BZ)	**0.00756**	**Q J**	**0.0196**	**0.00192**	**ng/L**
PCB 197 (BZ)	**0.00285**	**C J**	**0.0196**	**0.00134**	**ng/L**
PCB 198 (BZ)	**0.0242**	**C**	**0.0196**	**0.00193**	**ng/L**
PCB 201 (BZ)/199 (IUPAC)	**0.0242**	**C198**	**0.0196**	**0.00193**	**ng/L**
PCB 199 (BZ)/200 (IUPAC)	**0.00285**	**C197 J**	**0.0196**	**0.00134**	**ng/L**
PCB 200 (BZ)/201 (IUPAC)	ND		0.0196	0.00128	ng/L
PCB 202 (BZ)	**0.00526**	**Q J**	**0.0196**	**0.00145**	**ng/L**
PCB 203 (BZ)	**0.0147**	**J**	**0.0196**	**0.00174**	**ng/L**
PCB 204 (BZ)	ND		0.0196	0.00136	ng/L
PCB 205 (BZ)	ND		0.0196	0.00160	ng/L
PCB 206 (BZ)	**0.0151**	**Q J**	**0.0196**	**0.00229**	**ng/L**
PCB 207 (BZ)	ND		0.0196	0.00147	ng/L
PCB 208 (BZ)	**0.00618**	**J**	**0.0196**	**0.00146**	**ng/L**
PCB 209 (BZ)	**0.0112**	**J**	**0.0196**	**0.00193**	**ng/L**

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Shaw E & I Inc

Sample ID: OU2C-06-0816

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 005	**Work Order #....:**	JC4PW2AA	**Matrix....:**	WATER
Date Sampled....:	08/16/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	35		30 - 140
13C12-PCB 3	34		30 - 140
13C12-PCB 4	50		30 - 140
13C12-PCB 15	49		30 - 140
13C12-PCB 19	52		30 - 140
13C12-PCB 37	60		30 - 140
13C12-PCB 54	72		30 - 140
13C12-PCB 77	59		30 - 140
13C12-PCB 81	58		30 - 140
13C12-PCB 104	59		30 - 140
13C12-PCB 105	70		30 - 140
13C12-PCB 114	69		30 - 140
13C12-PCB 118	70		30 - 140
13C12-PCB 123	68		30 - 140
13C12-PCB 126	62		30 - 140
13C12-PCB 155	77		30 - 140
13C12-PCB 156	68	C	30 - 140
13C12-PCB 157	68	C	30 - 140
13C12-PCB 167	67		30 - 140
13C12-PCB 169	47		30 - 140
13C12-PCB 170	73		30 - 140
13C12-PCB 188	65		30 - 140
13C12-PCB 189	62		30 - 140
13C12-PCB 202	82		30 - 140
13C12-PCB 205	70		30 - 140
13C12-PCB 206	81		30 - 140
13C12-PCB 208	87		30 - 140
13C12-PCB 209	88		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	98	40 - 125
13C12-PCB 111	98	40 - 125
13C12-PCB 178	94	40 - 125

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Shaw E & I Inc

Sample ID: OU2C-06-0816

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 005	**Work Order #....:**	JC4PW2AA	**Matrix....:**	WATER
Date Sampled....:	08/16/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

10-31-06

Shaw E & I Inc

Sample ID: OU3-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 008	**Work Order #....:**	JC4P52AA	**Matrix....:**	WATER
Date Sampled....:	08/17/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.0113	B J U	0.0196	0.000619	ng/L
PCB 2 (BZ)	0.00906	B J U	0.0196	0.000750	ng/L
PCB 3 (BZ)	0.00692	J	0.0196	0.000812	ng/L
PCB 4 (BZ)	0.353	B	0.0294	0.00303	ng/L
PCB 5 (BZ)	0.00215	Q J	0.0196	0.00256	ng/L
PCB 6 (BZ)	0.134	B	0.0196	0.00225	ng/L
PCB 7 (BZ)	0.0157	B J	0.0196	0.00234	ng/L
PCB 8 (BZ)	0.377	B	0.0294	0.00225	ng/L
PCB 9 (BZ)	0.0111	Q B J	0.0196	0.00229	ng/L
PCB 10 (BZ)	0.0113	Q J	0.0196	0.00249	ng/L
PCB 11 (BZ)	2.56	B	0.0294	0.00245	ng/L
PCB 12 (BZ)	0.0799	B C	0.0294	0.00240	ng/L
PCB 13 (BZ)	0.0799	B C12	0.0294	0.00240	ng/L
PCB 14 (BZ)	ND		0.0196	0.00201	ng/L
PCB 15 (BZ)	0.182	B	0.0196	0.00251	ng/L
PCB 16 (BZ)	0.261		0.0196	0.00260	ng/L
PCB 17 (BZ)	0.501	B	0.0196	0.00224	ng/L
PCB 18 (BZ)	0.888	B C	0.0294	0.00189	ng/L
PCB 19 (BZ)	0.110		0.0196	0.00249	ng/L
PCB 20 (BZ)	1.10	B C	0.0196	0.00188	ng/L
PCB 21 (BZ)	0.364	B C	0.0196	0.00187	ng/L
PCB 22 (BZ)	0.253	B	0.0196	0.00201	ng/L
PCB 23 (BZ)	ND		0.0196	0.00201	ng/L
PCB 24 (BZ)	0.00427	Q J	0.0196	0.00165	ng/L
PCB 25 (BZ)	0.127		0.0196	0.00171	ng/L
PCB 26 (BZ)	0.249	B C	0.0196	0.00191	ng/L
PCB 27 (BZ)	0.0673		0.0196	0.00155	ng/L
PCB 28 (BZ)	1.10	B C20	0.0196	0.00188	ng/L
PCB 29 (BZ)	0.249	B C26	0.0196	0.00191	ng/L
PCB 30 (BZ)	0.888	B C18	0.0294	0.00189	ng/L
PCB 31 (BZ)	0.933	B	0.0196	0.00188	ng/L
PCB 32 (BZ)	0.0415	B	0.0196	0.00146	ng/L
PCB 33 (BZ)	0.364	B C21	0.0196	0.00187	ng/L
PCB 34 (BZ)	0.00949	J	0.0196	0.00199	ng/L
PCB 35 (BZ)	0.0142	J	0.0196	0.00208	ng/L
PCB 36 (BZ)	ND		0.0196	0.00204	ng/L

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Shaw E & I Inc

Sample ID: OU3-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 008	Work Order #....:	JC4P52AA	Matrix....:	WATER
Date Sampled....:	08/17/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.175		0.0196	0.00207	ng/L
PCB 38 (BZ)	ND		0.0196	0.00196	ng/L
PCB 39 (BZ)	0.00622	Q J	0.0196	0.00186	ng/L
PCB 40 (BZ)	0.251	B C	0.0196	0.00266	ng/L
PCB 41 (BZ)	0.251	B C40	0.0196	0.00266	ng/L
PCB 42 (BZ)	0.165	B	0.0196	0.00277	ng/L
PCB 43 (BZ)	0.0324	C	0.0196	0.00248	ng/L
PCB 44 (BZ)	0.600	B C	0.0196	0.00231	ng/L
PCB 45 (BZ)	0.109	C	0.0196	0.00273	ng/L
PCB 46 (BZ)	0.0598		0.0196	0.00337	ng/L
PCB 47 (BZ)	0.600	B C44	0.0196	0.00231	ng/L
PCB 48 (BZ)	0.128	B	0.0196	0.00274	ng/L
PCB 49 (BZ)	0.414	B C	0.0196	0.00215	ng/L
PCB 50 (BZ)	0.109	B C	0.0196	0.00252	ng/L
PCB 51 (BZ)	0.109	C45	0.0196	0.00273	ng/L
PCB 52 (BZ)	0.640	B	0.0196	0.00255	ng/L
PCB 53 (BZ)	0.109	B C50	0.0196	0.00252	ng/L
PCB 54 (BZ)	ND		0.0196	0.00205	ng/L
PCB 55 (BZ)	0.0202		0.0196	0.00204	ng/L
PCB 56 (BZ)	0.196		0.0196	0.00193	ng/L
PCB 57 (BZ)	0.00611	Q J	0.0196	0.00193	ng/L
PCB 58 (BZ)	0.00244	Q J	0.0196	0.00188	ng/L
PCB 59 (BZ)	0.0620	C	0.0196	0.00181	ng/L
PCB 60 (BZ)	0.0459		0.0196	0.00206	ng/L
PCB 61 (BZ)	0.646	B C	0.0196	0.00181	ng/L
PCB 62 (BZ)	0.0620	C59	0.0196	0.00181	ng/L
PCB 63 (BZ)	0.0239		0.0196	0.00174	ng/L
PCB 64 (BZ)	0.195	B	0.0196	0.00173	ng/L
PCB 65 (BZ)	0.600	B C44	0.0196	0.00231	ng/L
PCB 66 (BZ)	0.406	B	0.0196	0.00185	ng/L
PCB 67 (BZ)	0.0196		0.0196	0.00166	ng/L
PCB 68 (BZ)	0.00441	Q J	0.0196	0.00179	ng/L
PCB 69 (BZ)	0.414	B C49	0.0196	0.00215	ng/L
PCB 70 (BZ)	0.646	B C61	0.0196	0.00181	ng/L
PCB 71 (BZ)	0.251	B C40	0.0196	0.00266	ng/L
PCB 72 (BZ)	0.00979	J	0.0196	0.00193	ng/L

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Shaw E & I Inc

Sample ID: OU3-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 008	**Work Order #....:**	JC4P52AA	**Matrix....:**	WATER
Date Sampled....:	08/17/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.0324	C43	0.0196	0.00248	ng/L
PCB 74 (BZ)	0.646	B C61	0.0196	0.00181	ng/L
PCB 75 (BZ)	0.0620	C59	0.0196	0.00181	ng/L
PCB 76 (BZ)	0.646	B C61	0.0196	0.00181	ng/L
PCB 77 (BZ)	0.0353		0.0196	0.00195	ng/L
PCB 78 (BZ)	ND		0.0196	0.00209	ng/L
PCB 79 (BZ)	0.00287	Q J	0.0196	0.00160	ng/L
PCB 80 (BZ)	ND		0.0196	0.00178	ng/L
PCB 81 (BZ)	ND		0.0196	0.00187	ng/L
PCB 82 (BZ)	0.0301		0.0196	0.00260	ng/L
PCB 83 (BZ)	0.155	C	0.0196	0.00221	ng/L
PCB 84 (BZ)	0.0681		0.0196	0.00259	ng/L
PCB 85 (BZ)	0.0347	C	0.0196	0.00178	ng/L
PCB 86 (BZ)	0.120	C	0.0196	0.00178	ng/L
PCB 87 (BZ)	0.120	C86	0.0196	0.00178	ng/L
PCB 88 (BZ)	0.0446	C	0.0196	0.00223	ng/L
PCB 89 (BZ)	0.00518	J	0.0196	0.00246	ng/L
PCB 90 (BZ)	0.202	B C	0.0196	0.00180	ng/L
PCB 91 (BZ)	0.0446	C88	0.0196	0.00223	ng/L
PCB 92 (BZ)	0.0516		0.0196	0.00215	ng/L
PCB 93 (BZ)	0.00521	Q C J	0.0196	0.00211	ng/L
PCB 94 (BZ)	0.00303	Q J	0.0196	0.00244	ng/L
PCB 95 (BZ)	0.164	B	0.0196	0.00216	ng/L
PCB 96 (BZ)	ND		0.0196	0.00169	ng/L
PCB 97 (BZ)	0.120	C86	0.0196	0.00178	ng/L
PCB 98 (BZ)	0.0111	Q C J	0.0196	0.00208	ng/L
PCB 99 (BZ)	0.155	C83	0.0196	0.00221	ng/L
PCB 100 (BZ)	0.00521	Q C93 J	0.0196	0.00211	ng/L
PCB 101 (BZ)	0.202	B C90	0.0196	0.00180	ng/L
PCB 102 (BZ)	0.0111	Q C98 J	0.0196	0.00208	ng/L
PCB 103 (BZ)	0.00613	J	0.0196	0.00205	ng/L
PCB 104 (BZ)	ND		0.0196	0.00153	ng/L
PCB 105 (BZ)	0.0356	QJ	0.0196	0.00143	ng/L
PCB 106 (BZ)	ND		0.0196	0.00166	ng/L
PCB 107 (BZ)/109 (IUPAC)	0.0194	J	0.0196	0.00157	ng/L
PCB 108 (BZ)/107 (IUPAC)	0.00366	Q C J	0.0196	0.00160	ng/L

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Shaw E & I Inc

Sample ID: OU3-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 008	**Work Order #....:**	JC4P52AA	**Matrix....:**	WATER
Date Sampled....:	08/17/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.120**	**C86**	**0.0196**	**0.00178**	**ng/L**
PCB 110 (BZ)	**0.225**	**B C**	**0.0196**	**0.00155**	**ng/L**
PCB 111 (BZ)	ND		0.0196	0.00148	ng/L
PCB 112 (BZ)	ND		0.0196	0.00159	ng/L
PCB 113 (BZ)	**0.202**	**B C90**	**0.0196**	**0.00180**	**ng/L**
PCB 114 (BZ)	**0.00265**	**J**	**0.0196**	**0.00134**	**ng/L**
PCB 115 (BZ)	**0.225**	**B C110**	**0.0196**	**0.00155**	**ng/L**
PCB 116 (BZ)	**0.0347**	**C85**	**0.0196**	**0.00178**	**ng/L**
PCB 117 (BZ)	**0.0347**	**C85**	**0.0196**	**0.00178**	**ng/L**
PCB 118 (BZ)	**0.142**	**B**	**0.0196**	**0.00142**	**ng/L**
PCB 119 (BZ)	**0.120**	**C86**	**0.0196**	**0.00178**	**ng/L**
PCB 120 (BZ)	ND		0.0196	0.00150	ng/L
PCB 121 (BZ)	ND		0.0196	0.00155	ng/L
PCB 122 (BZ)	ND		0.0196	0.00167	ng/L
PCB 123 (BZ)	**0.00264**	**Q J**	**0.0196**	**0.00142**	**ng/L**
PCB 124 (BZ)	**0.00366**	**Q C108 J**	**0.0196**	**0.00160**	**ng/L**
PCB 125 (BZ)	**0.120**	**C86**	**0.0196**	**0.00178**	**ng/L**
PCB 126 (BZ)	ND		0.0196	0.00169	ng/L
PCB 127 (BZ)	ND		0.0196	0.00150	ng/L
PCB 128 (BZ)	**0.0196**	**C**	**0.0196**	**0.00173**	**ng/L**
PCB 129 (BZ)	**0.122**	**B C**	**0.0196**	**0.00177**	**ng/L**
PCB 130 (BZ)	**0.00886**	**Q J**	**0.0196**	**0.00235**	**ng/L**
PCB 131 (BZ)	ND		0.0196	0.00237	ng/L
PCB 132 (BZ)	**0.0461**	**B**	**0.0196**	**0.00230**	**ng/L**
PCB 133 (BZ)	**0.00398**	**J**	**0.0196**	**0.00210**	**ng/L**
PCB 134 (BZ)	**0.0101**	**Q C J**	**0.0196**	**0.00235**	**ng/L**
PCB 135 (BZ)	**0.0537**	**C**	**0.0196**	**0.00190**	**ng/L**
PCB 136 (BZ)	**0.0166**	**B J**	**0.0196**	**0.00138**	**ng/L**
PCB 137 (BZ)	**0.0160**	**C J**	**0.0196**	**0.00173**	**ng/L**
PCB 138 (BZ)	**0.122**	**B C129**	**0.0196**	**0.00177**	**ng/L**
PCB 139 (BZ)	ND		0.0196	0.00197	ng/L
PCB 140 (BZ)	ND		0.0196	0.00197	ng/L
PCB 141 (BZ)	**0.0227**	**B**	**0.0196**	**0.00221**	**ng/L**
PCB 142 (BZ)	ND		0.0196	0.00231	ng/L
PCB 143 (BZ)	**0.0101**	**Q C134 J**	**0.0196**	**0.00235**	**ng/L**
PCB 144 (BZ)	**0.00467**	**J**	**0.0196**	**0.00184**	**ng/L**

10-31-06

Shaw E & I Inc

Sample ID: OU3-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 008	**Work Order #....:**	JC4P52AA	**Matrix....:**	WATER
Date Sampled....:	08/17/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0196	0.00136	ng/L
PCB 146 (BZ)	**0.0305**		**0.0196**	**0.00189**	**ng/L**
PCB 147 (BZ)	**0.114**	**B C**	**0.0196**	**0.00197**	**ng/L**
PCB 148 (BZ)	ND		0.0196	0.00188	ng/L
PCB 149 (BZ)	**0.114**	**B C147**	**0.0196**	**0.00197**	**ng/L**
PCB 150 (BZ)	ND		0.0196	0.00131	ng/L
PCB 151 (BZ)	**0.0537**	**C135**	**0.0196**	**0.00190**	**ng/L**
PCB 152 (BZ)	ND		0.0196	0.00130	ng/L
PCB 153 (BZ)	**0.106**	**B C**	**0.0196**	**0.00152**	**ng/L**
PCB 154 (BZ)	**0.00651**	**Q J**	**0.0196**	**0.00155**	**ng/L**
PCB 155 (BZ)	ND		0.0196	0.00123	ng/L
PCB 156 (BZ)	**0.0114**	**C J**	**0.0196**	**0.00154**	**ng/L**
PCB 157 (BZ)	**0.0114**	**C156 J**	**0.0196**	**0.00154**	**ng/L**
PCB 158 (BZ)	**0.0101**	**Q J**	**0.0196**	**0.00136**	**ng/L**
PCB 159 (BZ)	ND		0.0196	0.00148	ng/L
PCB 160 (BZ)	**0.122**	**B C129**	**0.0196**	**0.00177**	**ng/L**
PCB 161 (BZ)	ND		0.0196	0.00144	ng/L
PCB 162 (BZ)	ND		0.0196	0.00147	ng/L
PCB 163 (BZ)	**0.122**	**B C129**	**0.0196**	**0.00177**	**ng/L**
PCB 164 (BZ)	**0.0160**	**C137 J**	**0.0196**	**0.00173**	**ng/L**
PCB 165 (BZ)	ND		0.0196	0.00165	ng/L
PCB 166 (BZ)	**0.0196**	**C128**	**0.0196**	**0.00173**	**ng/L**
PCB 167 (BZ)	**0.00349**	**J**	**0.0196**	**0.00111**	**ng/L**
PCB 168 (BZ)	**0.106**	**B C153**	**0.0196**	**0.00152**	**ng/L**
PCB 169 (BZ)	ND		0.0196	0.00154	ng/L
PCB 170 (BZ)	**0.0294**		**0.0196**	**0.00169**	**ng/L**
PCB 171 (BZ)	**0.00901**	**C J**	**0.0196**	**0.00165**	**ng/L**
PCB 172 (BZ)	**0.00511**	**Q J**	**0.0196**	**0.00164**	**ng/L**
PCB 173 (BZ)	**0.00901**	**C171 J**	**0.0196**	**0.00165**	**ng/L**
PCB 174 (BZ)	**0.0306**		**0.0196**	**0.00150**	**ng/L**
PCB 175 (BZ)	ND		0.0196	0.00146	ng/L
PCB 176 (BZ)	**0.00369**	**Q J**	**0.0196**	**0.00108**	**ng/L**
PCB 177 (BZ)	**0.0191**	**J**	**0.0196**	**0.00157**	**ng/L**
PCB 178 (BZ)	**0.00941**	**J**	**0.0196**	**0.00157**	**ng/L**
PCB 179 (BZ)	**0.0160**	**J**	**0.0196**	**0.00114**	**ng/L**
PCB 180 (BZ)	**0.0643**	**B C**	**0.0196**	**0.00123**	**ng/L**

10-31-06

Shaw E & I Inc

Sample ID: OU3-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 008	**Work Order #....:**	JC4P52AA	**Matrix....:**	WATER
Date Sampled....:	08/17/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0196	0.00142	ng/L
PCB 182 (BZ)	ND		0.0196	0.00138	ng/L
PCB 183 (BZ)	**0.0194**	**Q C J**	**0.0196**	**0.00145**	**ng/L**
PCB 184 (BZ)	ND		0.0196	0.00115	ng/L
PCB 185 (BZ)	**0.0194**	**Q C183 J**	**0.0196**	**0.00145**	**ng/L**
PCB 186 (BZ)	ND		0.0196	0.00113	ng/L
PCB 187 (BZ)	**0.0452**		**0.0196**	**0.00135**	**ng/L**
PCB 188 (BZ)	ND		0.0196	0.00104	ng/L
PCB 189 (BZ)	ND		0.0196	0.00120	ng/L
PCB 190 (BZ)	**0.00539**	**J**	**0.0196**	**0.00112**	**ng/L**
PCB 191 (BZ)	ND		0.0196	0.00108	ng/L
PCB 192 (BZ)	ND		0.0196	0.00122	ng/L
PCB 193 (BZ)	**0.0643**	**B C180**	**0.0196**	**0.00123**	**ng/L**
PCB 194 (BZ)	**0.0224**		**0.0196**	**0.00158**	**ng/L**
PCB 195 (BZ)	**0.00720**	**Q J**	**0.0196**	**0.00173**	**ng/L**
PCB 196 (BZ)	**0.0116**	**J**	**0.0196**	**0.00170**	**ng/L**
PCB 197 (BZ)	**0.00217**	**Q C J**	**0.0196**	**0.00118**	**ng/L**
PCB 198 (BZ)	**0.0277**	**Q C J**	**0.0196**	**0.00171**	**ng/L**
PCB 201 (BZ)/199 (IUPAC)	**0.0277**	**Q C198 J**	**0.0196**	**0.00171**	**ng/L**
PCB 199 (BZ)/200 (IUPAC)	**0.00217**	**Q C197 J**	**0.0196**	**0.00118**	**ng/L**
PCB 200 (BZ)/201 (IUPAC)	**0.00306**	**Q J**	**0.0196**	**0.00113**	**ng/L**
PCB 202 (BZ)	**0.00862**	**J**	**0.0196**	**0.00128**	**ng/L**
PCB 203 (BZ)	**0.0166**	**J**	**0.0196**	**0.00154**	**ng/L**
PCB 204 (BZ)	ND		0.0196	0.00120	ng/L
PCB 205 (BZ)	ND		0.0196	0.00128	ng/L
PCB 206 (BZ)	**0.0244**		**0.0196**	**0.00171**	**ng/L**
PCB 207 (BZ)	**0.00271**	**J**	**0.0196**	**0.00111**	**ng/L**
PCB 208 (BZ)	**0.00924**	**J**	**0.0196**	**0.00111**	**ng/L**
PCB 209 (BZ)	**0.0235**		**0.0196**	**0.00142**	**ng/L**

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Shaw E & I Inc

Sample ID: OU3-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 008	**Work Order #....:**	JC4P52AA	**Matrix....:**	WATER
Date Sampled....:	08/17/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	41		30 - 140
13C12-PCB 3	39		30 - 140
13C12-PCB 4	55		30 - 140
13C12-PCB 15	54		30 - 140
13C12-PCB 19	55		30 - 140
13C12-PCB 37	64		30 - 140
13C12-PCB 54	73		30 - 140
13C12-PCB 77	62		30 - 140
13C12-PCB 81	60		30 - 140
13C12-PCB 104	60		30 - 140
13C12-PCB 105	71		30 - 140
13C12-PCB 114	69		30 - 140
13C12-PCB 118	70		30 - 140
13C12-PCB 123	67		30 - 140
13C12-PCB 126	63		30 - 140
13C12-PCB 155	77		30 - 140
13C12-PCB 156	67	C	30 - 140
13C12-PCB 157	67	C	30 - 140
13C12-PCB 167	66		30 - 140
13C12-PCB 169	48		30 - 140
13C12-PCB 170	72		30 - 140
13C12-PCB 188	65		30 - 140
13C12-PCB 189	61		30 - 140
13C12-PCB 202	80		30 - 140
13C12-PCB 205	70		30 - 140
13C12-PCB 206	80		30 - 140
13C12-PCB 208	85		30 - 140
13C12-PCB 209	88		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	98	40 - 125
13C12-PCB 111	98	40 - 125
13C12-PCB 178	96	40 - 125

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Shaw E & I Inc

Sample ID: OU3-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 008	**Work Order #....:**	JC4P52AA	**Matrix....:**	WATER
Date Sampled....:	08/17/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

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Shaw E & I Inc

Sample ID: OU3D-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 009	**Work Order #....:**	JC4P62AA	**Matrix....:**	WATER
Date Sampled....:	08/17/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.0114	Q B J U	0.0196	0.000571	ng/L
PCB 2 (BZ)	0.0110	B J U	0.0196	0.000738	ng/L
PCB 3 (BZ)	0.0102	J	0.0196	0.000875	ng/L
PCB 4 (BZ)	0.503	B	0.0294	0.00365	ng/L
PCB 5 (BZ)	ND		0.0196	0.00321	ng/L
PCB 6 (BZ)	0.187	B	0.0196	0.00282	ng/L
PCB 7 (BZ)	0.0131	B J	0.0196	0.00293	ng/L
PCB 8 (BZ)	0.507	B	0.0294	0.00281	ng/L
PCB 9 (BZ)	0.0146	B J	0.0196	0.00286	ng/L
PCB 10 (BZ)	0.0197	Q J	0.0196	0.00312	ng/L
PCB 11 (BZ)	3.62	B	0.0294	0.00307	ng/L
PCB 12 (BZ)	0.0979	Q B C J	0.0294	0.00300	ng/L
PCB 13 (BZ)	0.0979	Q B C12 J	0.0294	0.00300	ng/L
PCB 14 (BZ)	ND		0.0196	0.00252	ng/L
PCB 15 (BZ)	0.233	B	0.0196	0.00325	ng/L
PCB 16 (BZ)	0.366		0.0196	0.00376	ng/L
PCB 17 (BZ)	0.672	B	0.0196	0.00324	ng/L
PCB 18 (BZ)	1.23	B C	0.0294	0.00273	ng/L
PCB 19 (BZ)	0.152		0.0196	0.00361	ng/L
PCB 20 (BZ)	1.40	B C	0.0196	0.00187	ng/L
PCB 21 (BZ)	0.433	B C	0.0196	0.00186	ng/L
PCB 22 (BZ)	0.305	B	0.0196	0.00199	ng/L
PCB 23 (BZ)	ND		0.0196	0.00200	ng/L
PCB 24 (BZ)	0.00700	Q J	0.0196	0.00239	ng/L
PCB 25 (BZ)	0.158		0.0196	0.00169	ng/L
PCB 26 (BZ)	0.310	B C	0.0196	0.00189	ng/L
PCB 27 (BZ)	0.0939		0.0196	0.00225	ng/L
PCB 28 (BZ)	1.40	B C20	0.0196	0.00187	ng/L
PCB 29 (BZ)	0.310	B C26	0.0196	0.00189	ng/L
PCB 30 (BZ)	1.23	B C18	0.0294	0.00273	ng/L
PCB 31 (BZ)	1.16	B	0.0196	0.00187	ng/L
PCB 32 (BZ)	0.0527	B	0.0196	0.00212	ng/L
PCB 33 (BZ)	0.433	B C21	0.0196	0.00186	ng/L
PCB 34 (BZ)	0.0131	Q J	0.0196	0.00197	ng/L
PCB 35 (BZ)	0.0175	J	0.0196	0.00206	ng/L
PCB 36 (BZ)	ND		0.0196	0.00202	ng/L

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Shaw E & I Inc

Sample ID: OU3D-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 009	**Work Order #....:**	JC4P62AA	**Matrix....:**	WATER
Date Sampled....:	08/17/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.204		0.0196	0.00205	ng/L
PCB 38 (BZ)	ND		0.0196	0.00194	ng/L
PCB 39 (BZ)	0.00759	J	0.0196	0.00184	ng/L
PCB 40 (BZ)	0.288	B C	0.0196	0.00218	ng/L
PCB 41 (BZ)	0.288	B C40	0.0196	0.00218	ng/L
PCB 42 (BZ)	0.195	B	0.0196	0.00227	ng/L
PCB 43 (BZ)	0.0447	C	0.0196	0.00203	ng/L
PCB 44 (BZ)	0.699	B C	0.0196	0.00189	ng/L
PCB 45 (BZ)	0.128	C	0.0196	0.00223	ng/L
PCB 46 (BZ)	0.0695		0.0196	0.00276	ng/L
PCB 47 (BZ)	0.699	B C44	0.0196	0.00189	ng/L
PCB 48 (BZ)	0.147	B	0.0196	0.00225	ng/L
PCB 49 (BZ)	0.490	B C	0.0196	0.00176	ng/L
PCB 50 (BZ)	0.125	B C	0.0196	0.00207	ng/L
PCB 51 (BZ)	0.128	C45	0.0196	0.00223	ng/L
PCB 52 (BZ)	0.742	B	0.0196	0.00209	ng/L
PCB 53 (BZ)	0.125	B C50	0.0196	0.00207	ng/L
PCB 54 (BZ)	ND		0.0196	0.00329	ng/L
PCB 55 (BZ)	ND		0.0196	0.00167	ng/L
PCB 56 (BZ)	0.221		0.0196	0.00158	ng/L
PCB 57 (BZ)	0.00690	J	0.0196	0.00158	ng/L
PCB 58 (BZ)	0.00236	Q J	0.0196	0.00154	ng/L
PCB 59 (BZ)	0.0773	C	0.0196	0.00149	ng/L
PCB 60 (BZ)	0.0565		0.0196	0.00169	ng/L
PCB 61 (BZ)	0.753	B C	0.0196	0.00148	ng/L
PCB 62 (BZ)	0.0773	C59	0.0196	0.00149	ng/L
PCB 63 (BZ)	0.0272		0.0196	0.00143	ng/L
PCB 64 (BZ)	0.230	B	0.0196	0.00142	ng/L
PCB 65 (BZ)	0.699	B C44	0.0196	0.00189	ng/L
PCB 66 (BZ)	0.478	B	0.0196	0.00152	ng/L
PCB 67 (BZ)	0.0229		0.0196	0.00136	ng/L
PCB 68 (BZ)	0.00754	J	0.0196	0.00147	ng/L
PCB 69 (BZ)	0.490	B C49	0.0196	0.00176	ng/L
PCB 70 (BZ)	0.753	B C61	0.0196	0.00148	ng/L
PCB 71 (BZ)	0.288	B C40	0.0196	0.00218	ng/L
PCB 72 (BZ)	0.0113	J	0.0196	0.00158	ng/L

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Shaw E & I Inc

Sample ID: OU3D-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 009	Work Order #....:	JC4P62AA	Matrix....:	WATER
Date Sampled....:	08/17/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.0447	C43	0.0196	0.00203	ng/L
PCB 74 (BZ)	0.753	B C61	0.0196	0.00148	ng/L
PCB 75 (BZ)	0.0773	C59	0.0196	0.00149	ng/L
PCB 76 (BZ)	0.753	B C61	0.0196	0.00148	ng/L
PCB 77 (BZ)	0.0404		0.0196	0.00160	ng/L
PCB 78 (BZ)	ND		0.0196	0.00171	ng/L
PCB 79 (BZ)	0.00414	Q J	0.0196	0.00131	ng/L
PCB 80 (BZ)	ND		0.0196	0.00146	ng/L
PCB 81 (BZ)	ND		0.0196	0.00153	ng/L
PCB 82 (BZ)	0.0377		0.0196	0.00267	ng/L
PCB 83 (BZ)	0.194	C	0.0196	0.00227	ng/L
PCB 84 (BZ)	0.0874		0.0196	0.00266	ng/L
PCB 85 (BZ)	0.0397	Q C J	0.0196	0.00183	ng/L
PCB 86 (BZ)	0.144	C	0.0196	0.00183	ng/L
PCB 87 (BZ)	0.144	C86	0.0196	0.00183	ng/L
PCB 88 (BZ)	0.0560	C	0.0196	0.00229	ng/L
PCB 89 (BZ)	0.00736	J	0.0196	0.00252	ng/L
PCB 90 (BZ)	0.244	B C	0.0196	0.00185	ng/L
PCB 91 (BZ)	0.0560	C88	0.0196	0.00229	ng/L
PCB 92 (BZ)	0.0682		0.0196	0.00221	ng/L
PCB 93 (BZ)	0.00699	Q C J	0.0196	0.00217	ng/L
PCB 94 (BZ)	ND		0.0196	0.00250	ng/L
PCB 95 (BZ)	0.201	B	0.0196	0.00222	ng/L
PCB 96 (BZ)	0.00529	J	0.0196	0.00173	ng/L
PCB 97 (BZ)	0.144	C86	0.0196	0.00183	ng/L
PCB 98 (BZ)	0.0168	C J	0.0196	0.00214	ng/L
PCB 99 (BZ)	0.194	C83	0.0196	0.00227	ng/L
PCB 100 (BZ)	0.00699	Q C93 J	0.0196	0.00217	ng/L
PCB 101 (BZ)	0.244	B C90	0.0196	0.00185	ng/L
PCB 102 (BZ)	0.0168	C98 J	0.0196	0.00214	ng/L
PCB 103 (BZ)	0.00684	J	0.0196	0.00211	ng/L
PCB 104 (BZ)	ND		0.0196	0.00157	ng/L
PCB 105 (BZ)	0.0469		0.0196	0.00103	ng/L
PCB 106 (BZ)	ND		0.0196	0.00123	ng/L
PCB 107 (BZ)/109 (IUPAC)	0.0191	J	0.0196	0.00117	ng/L
PCB 108 (BZ)/107 (IUPAC)	0.00381	C J	0.0196	0.00119	ng/L

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Shaw E & I Inc

Sample ID: OU3D-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 009	**Work Order #....:**	JC4P62AA	**Matrix....:**	WATER
Date Sampled....:	08/17/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.144**	**C86**	**0.0196**	**0.00183**	**ng/L**
PCB 110 (BZ)	**0.276**	**B C**	**0.0196**	**0.00159**	**ng/L**
PCB 111 (BZ)	ND		0.0196	0.00152	ng/L
PCB 112 (BZ)	ND		0.0196	0.00163	ng/L
PCB 113 (BZ)	**0.244**	**B C90**	**0.0196**	**0.00185**	**ng/L**
PCB 114 (BZ)	**0.00396**	**Q J**	**0.0196**	**0.000992**	**ng/L**
PCB 115 (BZ)	**0.276**	**B C110**	**0.0196**	**0.00159**	**ng/L**
PCB 116 (BZ)	**0.0397**	**Q C85** J	**0.0196**	**0.00183**	**ng/L**
PCB 117 (BZ)	**0.0397**	**Q C85** J	**0.0196**	**0.00183**	**ng/L**
PCB 118 (BZ)	**0.161**	**B**	**0.0196**	**0.00108**	**ng/L**
PCB 119 (BZ)	**0.144**	**C86**	**0.0196**	**0.00183**	**ng/L**
PCB 120 (BZ)	ND		0.0196	0.00154	ng/L
PCB 121 (BZ)	ND		0.0196	0.00159	ng/L
PCB 122 (BZ)	**0.00420**	**J**	**0.0196**	**0.00124**	**ng/L**
PCB 123 (BZ)	**0.00169**	**Q J**	**0.0196**	**0.00107**	**ng/L**
PCB 124 (BZ)	**0.00381**	**C108 J**	**0.0196**	**0.00119**	**ng/L**
PCB 125 (BZ)	**0.144**	**C86**	**0.0196**	**0.00183**	**ng/L**
PCB 126 (BZ)	**0.00298**	**Q J**	**0.0196**	**0.00121**	**ng/L**
PCB 127 (BZ)	ND		0.0196	0.00111	ng/L
PCB 128 (BZ)	**0.0224**	**C**	**0.0196**	**0.00149**	**ng/L**
PCB 129 (BZ)	**0.134**	**B C**	**0.0196**	**0.00153**	**ng/L**
PCB 130 (BZ)	**0.00976**	**Q J**	**0.0196**	**0.00202**	**ng/L**
PCB 131 (BZ)	ND		0.0196	0.00205	ng/L
PCB 132 (BZ)	**0.0514**	**B**	**0.0196**	**0.00198**	**ng/L**
PCB 133 (BZ)	**0.00465**	**J**	**0.0196**	**0.00181**	**ng/L**
PCB 134 (BZ)	**0.0108**	**C J**	**0.0196**	**0.00202**	**ng/L**
PCB 135 (BZ)	**0.0591**	**Q C**	**0.0196**	**0.00246**	**ng/L**
PCB 136 (BZ)	**0.0223**	**B**	**0.0196**	**0.00179**	**ng/L**
PCB 137 (BZ)	**0.0172**	**C J**	**0.0196**	**0.00149**	**ng/L**
PCB 138 (BZ)	**0.134**	**B C129**	**0.0196**	**0.00153**	**ng/L**
PCB 139 (BZ)	**0.00276**	**Q C J**	**0.0196**	**0.00170**	**ng/L**
PCB 140 (BZ)	**0.00276**	**Q C139 J**	**0.0196**	**0.00170**	**ng/L**
PCB 141 (BZ)	**0.0227**	**B**	**0.0196**	**0.00190**	**ng/L**
PCB 142 (BZ)	ND		0.0196	0.00199	ng/L
PCB 143 (BZ)	**0.0108**	**C134 J**	**0.0196**	**0.00202**	**ng/L**
PCB 144 (BZ)	ND		0.0196	0.00238	ng/L

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Shaw E & I Inc

Sample ID: OU3D-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 009	Work Order #....:	JC4P62AA	Matrix....:	WATER
Date Sampled....:	08/17/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0196	0.00177	ng/L
PCB 146 (BZ)	0.0337		0.0196	0.00163	ng/L
PCB 147 (BZ)	0.143	B C	0.0196	0.00170	ng/L
PCB 148 (BZ)	ND		0.0196	0.00244	ng/L
PCB 149 (BZ)	0.143	B C147	0.0196	0.00170	ng/L
PCB 150 (BZ)	ND		0.0196	0.00170	ng/L
PCB 151 (BZ)	0.0591	Q C135 J	0.0196	0.00246	ng/L
PCB 152 (BZ)	ND		0.0196	0.00169	ng/L
PCB 153 (BZ)	0.120	B C	0.0196	0.00131	ng/L
PCB 154 (BZ)	0.00559	Q J	0.0196	0.00201	ng/L
PCB 155 (BZ)	ND		0.0196	0.00160	ng/L
PCB 156 (BZ)	0.0121	C J	0.0196	0.00133	ng/L
PCB 157 (BZ)	0.0121	C156 J	0.0196	0.00133	ng/L
PCB 158 (BZ)	0.0123	J	0.0196	0.00117	ng/L
PCB 159 (BZ)	ND		0.0196	0.00128	ng/L
PCB 160 (BZ)	0.134	B C129	0.0196	0.00153	ng/L
PCB 161 (BZ)	ND		0.0196	0.00125	ng/L
PCB 162 (BZ)	ND		0.0196	0.00127	ng/L
PCB 163 (BZ)	0.134	B C129	0.0196	0.00153	ng/L
PCB 164 (BZ)	0.0172	C137 J	0.0196	0.00149	ng/L
PCB 165 (BZ)	ND		0.0196	0.00142	ng/L
PCB 166 (BZ)	0.0224	C128	0.0196	0.00149	ng/L
PCB 167 (BZ)	0.00416	J	0.0196	0.000949	ng/L
PCB 168 (BZ)	0.120	B C153	0.0196	0.00131	ng/L
PCB 169 (BZ)	ND		0.0196	0.00134	ng/L
PCB 170 (BZ)	0.0255	Q	0.0196	0.00147	ng/L
PCB 171 (BZ)	0.0105	C J	0.0196	0.00149	ng/L
PCB 172 (BZ)	0.00520	Q J	0.0196	0.00149	ng/L
PCB 173 (BZ)	0.0105	C171 J	0.0196	0.00149	ng/L
PCB 174 (BZ)	0.0332		0.0196	0.00135	ng/L
PCB 175 (BZ)	ND		0.0196	0.00132	ng/L
PCB 176 (BZ)	0.00496	J	0.0196	0.000975	ng/L
PCB 177 (BZ)	0.0219		0.0196	0.00142	ng/L
PCB 178 (BZ)	0.0114	J	0.0196	0.00142	ng/L
PCB 179 (BZ)	0.0178	J	0.0196	0.00103	ng/L
PCB 180 (BZ)	0.0669	B C	0.0196	0.00111	ng/L

10-31-06

Shaw E & I Inc

Sample ID: OU3D-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 009	Work Order #....:	JC4P62AA	Matrix....:	WATER
Date Sampled....:	08/17/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0196	0.00128	ng/L
PCB 182 (BZ)	ND		0.0196	0.00125	ng/L
PCB 183 (BZ)	0.0227	C	0.0196	0.00131	ng/L
PCB 184 (BZ)	ND		0.0196	0.00104	ng/L
PCB 185 (BZ)	0.0227	C183	0.0196	0.00131	ng/L
PCB 186 (BZ)	ND		0.0196	0.00102	ng/L
PCB 187 (BZ)	0.0531		0.0196	0.00122	ng/L
PCB 188 (BZ)	ND		0.0196	0.000962	ng/L
PCB 189 (BZ)	ND		0.0196	0.000879	ng/L
PCB 190 (BZ)	0.00637	J	0.0196	0.00102	ng/L
PCB 191 (BZ)	0.00173	Q J	0.0196	0.000975	ng/L
PCB 192 (BZ)	ND		0.0196	0.00111	ng/L
PCB 193 (BZ)	0.0669	B C180	0.0196	0.00111	ng/L
PCB 194 (BZ)	0.0228		0.0196	0.00112	ng/L
PCB 195 (BZ)	0.00667	J	0.0196	0.00123	ng/L
PCB 196 (BZ)	0.0108	Q J	0.0196	0.00143	ng/L
PCB 197 (BZ)	0.00418	C J	0.0196	0.000994	ng/L
PCB 198 (BZ)	0.0357	C	0.0196	0.00144	ng/L
PCB 201 (BZ)/199 (IUPAC)	0.0357	C198	0.0196	0.00144	ng/L
PCB 199 (BZ)/200 (IUPAC)	0.00418	C197 J	0.0196	0.000994	ng/L
PCB 200 (BZ)/201 (IUPAC)	0.00320	Q J	0.0196	0.000952	ng/L
PCB 202 (BZ)	0.00774	J	0.0196	0.00108	ng/L
PCB 203 (BZ)	0.0200		0.0196	0.00129	ng/L
PCB 204 (BZ)	ND		0.0196	0.00101	ng/L
PCB 205 (BZ)	0.000987	Q J	0.0196	0.000910	ng/L
PCB 206 (BZ)	0.0271		0.0196	0.00130	ng/L
PCB 207 (BZ)	0.00308	Q J	0.0196	0.000832	ng/L
PCB 208 (BZ)	0.0100	J	0.0196	0.000822	ng/L
PCB 209 (BZ)	0.0291		0.0196	0.00115	ng/L

MTW 12-31-06

Shaw E & I Inc

Sample ID: OU3D-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 009	**Work Order #....:**	JC4P62AA	**Matrix....:**	WATER
Date Sampled....:	08/17/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	42		30 - 140
13C12-PCB 3	40		30 - 140
13C12-PCB 4	50		30 - 140
13C12-PCB 15	48		30 - 140
13C12-PCB 19	53		30 - 140
13C12-PCB 37	60		30 - 140
13C12-PCB 54	52		30 - 140
13C12-PCB 77	62		30 - 140
13C12-PCB 81	61		30 - 140
13C12-PCB 104	56		30 - 140
13C12-PCB 105	69		30 - 140
13C12-PCB 114	67		30 - 140
13C12-PCB 118	67		30 - 140
13C12-PCB 123	64		30 - 140
13C12-PCB 126	62		30 - 140
13C12-PCB 155	64		30 - 140
13C12-PCB 156	69	C	30 - 140
13C12-PCB 157	69	C	30 - 140
13C12-PCB 167	67		30 - 140
13C12-PCB 169	49		30 - 140
13C12-PCB 170	72		30 - 140
13C12-PCB 188	63		30 - 140
13C12-PCB 189	64		30 - 140
13C12-PCB 202	72		30 - 140
13C12-PCB 205	70		30 - 140
13C12-PCB 206	76		30 - 140
13C12-PCB 208	80		30 - 140
13C12-PCB 209	81		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	94	40 - 125
13C12-PCB 111	100	40 - 125
13C12-PCB 178	95	40 - 125

10-31-06

Shaw E & I Inc

Sample ID: OU3D-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 009	**Work Order #....:**	JC4P62AA	**Matrix....:**	WATER
Date Sampled....:	08/17/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	MID	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU4-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 007	Work Order #....:	JC4P32AA	Matrix....:	WATER
Date Sampled....:	08/17/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.105	B	0.0196	0.000819	ng/L
PCB 2 (BZ)	0.0194	B J	0.0196	0.00103	ng/L
PCB 3 (BZ)	0.0368		0.0196	0.00117	ng/L
PCB 4 (BZ)	2.84	B	0.0294	0.00559	ng/L
PCB 5 (BZ)	0.0138	J	0.0196	0.00425	ng/L
PCB 6 (BZ)	1.34	B	0.0196	0.00374	ng/L
PCB 7 (BZ)	0.0554	B	0.0196	0.00389	ng/L
PCB 8 (BZ)	2.28	B	0.0294	0.00373	ng/L
PCB 9 (BZ)	0.0628	B	0.0196	0.00379	ng/L
PCB 10 (BZ)	0.0881		0.0196	0.00414	ng/L
PCB 11 (BZ)	1.53	B	0.0294	0.00407	ng/L
PCB 12 (BZ)	0.231	B C	0.0294	0.00398	ng/L
PCB 13 (BZ)	0.231	B C12	0.0294	0.00398	ng/L
PCB 14 (BZ)	ND		0.0196	0.00334	ng/L
PCB 15 (BZ)	0.809	B	0.0196	0.00385	ng/L
PCB 16 (BZ)	1.33		0.0196	0.00547	ng/L
PCB 17 (BZ)	3.72	B	0.0196	0.00471	ng/L
PCB 18 (BZ)	6.86	B C	0.0294	0.00397	ng/L
PCB 19 (BZ)	0.700		0.0196	0.00524	ng/L
PCB 20 (BZ)	7.92	B C	0.0196	0.00357	ng/L
PCB 21 (BZ)	1.65	B C	0.0196	0.00356	ng/L
PCB 22 (BZ)	1.28	B	0.0196	0.00381	ng/L
PCB 23 (BZ)	0.0105	J	0.0196	0.00383	ng/L
PCB 24 (BZ)	0.0365		0.0196	0.00348	ng/L
PCB 25 (BZ)	1.34		0.0196	0.00324	ng/L
PCB 26 (BZ)	2.51	B C	0.0196	0.00363	ng/L
PCB 27 (BZ)	0.498		0.0196	0.00327	ng/L
PCB 28 (BZ)	7.92	B C20	0.0196	0.00357	ng/L
PCB 29 (BZ)	2.51	B C26	0.0196	0.00363	ng/L
PCB 30 (BZ)	6.86	B C18	0.0294	0.00397	ng/L
PCB 31 (BZ)	6.81	B	0.0196	0.00358	ng/L
PCB 32 (BZ)	0.364	B	0.0196	0.00308	ng/L
PCB 33 (BZ)	1.65	B C21	0.0196	0.00356	ng/L
PCB 34 (BZ)	0.0949		0.0196	0.00377	ng/L
PCB 35 (BZ)	0.0629	QJ	0.0196	0.00395	ng/L
PCB 36 (BZ)	ND		0.0196	0.00387	ng/L

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU4-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 007	Work Order #....:	JC4P32AA	Matrix....:	WATER
Date Sampled....:	08/17/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	1.04		0.0196	0.00392	ng/L
PCB 38 (BZ)	0.0109	Q J	0.0196	0.00372	ng/L
PCB 39 (BZ)	0.0340		0.0196	0.00352	ng/L
PCB 40 (BZ)	1.85	B C	0.0196	0.00384	ng/L
PCB 41 (BZ)	1.85	B C40	0.0196	0.00384	ng/L
PCB 42 (BZ)	1.02	B	0.0196	0.00399	ng/L
PCB 43 (BZ)	0.256	C	0.0196	0.00357	ng/L
PCB 44 (BZ)	4.02	B C	0.0196	0.00333	ng/L
PCB 45 (BZ)	0.734	C	0.0196	0.00393	ng/L
PCB 46 (BZ)	0.427		0.0196	0.00485	ng/L
PCB 47 (BZ)	4.02	B C44	0.0196	0.00333	ng/L
PCB 48 (BZ)	0.625	B	0.0196	0.00395	ng/L
PCB 49 (BZ)	3.08	B C	0.0196	0.00310	ng/L
PCB 50 (BZ)	0.697	B C	0.0196	0.00364	ng/L
PCB 51 (BZ)	0.734	C45	0.0196	0.00393	ng/L
PCB 52 (BZ)	4.54	B	0.0196	0.00368	ng/L
PCB 53 (BZ)	0.697	B C50	0.0196	0.00364	ng/L
PCB 54 (BZ)	0.0152	J	0.0196	0.00291	ng/L
PCB 55 (BZ)	ND		0.0196	0.00294	ng/L
PCB 56 (BZ)	1.04		0.0196	0.00278	ng/L
PCB 57 (BZ)	0.0411	Q J	0.0196	0.00278	ng/L
PCB 58 (BZ)	0.0155	J	0.0196	0.00271	ng/L
PCB 59 (BZ)	0.416	C	0.0196	0.00261	ng/L
PCB 60 (BZ)	0.312		0.0196	0.00296	ng/L
PCB 61 (BZ)	3.67	B C	0.0196	0.00261	ng/L
PCB 62 (BZ)	0.416	C59	0.0196	0.00261	ng/L
PCB 63 (BZ)	0.184		0.0196	0.00251	ng/L
PCB 64 (BZ)	1.17	B	0.0196	0.00249	ng/L
PCB 65 (BZ)	4.02	B C44	0.0196	0.00333	ng/L
PCB 66 (BZ)	2.28	B	0.0196	0.00267	ng/L
PCB 67 (BZ)	0.112		0.0196	0.00240	ng/L
PCB 68 (BZ)	0.0323		0.0196	0.00258	ng/L
PCB 69 (BZ)	3.08	B C49	0.0196	0.00310	ng/L
PCB 70 (BZ)	3.67	B C61	0.0196	0.00261	ng/L
PCB 71 (BZ)	1.85	B C40	0.0196	0.00384	ng/L
PCB 72 (BZ)	0.0498		0.0196	0.00278	ng/L

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU4-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 007	**Work Order #....:**	JC4P32AA	**Matrix....:**	WATER
Date Sampled....:	08/17/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.256	C43	0.0196	0.00357	ng/L
PCB 74 (BZ)	3.67	B C61	0.0196	0.00261	ng/L
PCB 75 (BZ)	0.416	C59	0.0196	0.00261	ng/L
PCB 76 (BZ)	3.67	B C61	0.0196	0.00261	ng/L
PCB 77 (BZ)	0.223		0.0196	0.00278	ng/L
PCB 78 (BZ)	0.00469	J	0.0196	0.00302	ng/L
PCB 79 (BZ)	0.0135	J	0.0196	0.00231	ng/L
PCB 80 (BZ)	ND		0.0196	0.00257	ng/L
PCB 81 (BZ)	0.00813	J	0.0196	0.00273	ng/L
PCB 82 (BZ)	0.180		0.0196	0.00349	ng/L
PCB 83 (BZ)	0.691	C	0.0196	0.00298	ng/L
PCB 84 (BZ)	0.431		0.0196	0.00348	ng/L
PCB 85 (BZ)	0.203	C	0.0196	0.00240	ng/L
PCB 86 (BZ)	0.590	C	0.0196	0.00239	ng/L
PCB 87 (BZ)	0.590	C86	0.0196	0.00239	ng/L
PCB 88 (BZ)	0.261	C	0.0196	0.00300	ng/L
PCB 89 (BZ)	0.0356		0.0196	0.00330	ng/L
PCB 90 (BZ)	0.870	B C	0.0196	0.00242	ng/L
PCB 91 (BZ)	0.261	C88	0.0196	0.00300	ng/L
PCB 92 (BZ)	0.236		0.0196	0.00289	ng/L
PCB 93 (BZ)	0.0378	Q C	0.0196	0.00284	ng/L
PCB 94 (BZ)	0.0191	J	0.0196	0.00328	ng/L
PCB 95 (BZ)	0.845	B	0.0196	0.00290	ng/L
PCB 96 (BZ)	0.0212	Q J	0.0196	0.00227	ng/L
PCB 97 (BZ)	0.590	C86	0.0196	0.00239	ng/L
PCB 98 (BZ)	0.0890	C	0.0196	0.00280	ng/L
PCB 99 (BZ)	0.691	C83	0.0196	0.00298	ng/L
PCB 100 (BZ)	0.0378	Q C93 J	0.0196	0.00284	ng/L
PCB 101 (BZ)	0.870	B C90	0.0196	0.00242	ng/L
PCB 102 (BZ)	0.0890	C98	0.0196	0.00280	ng/L
PCB 103 (BZ)	0.0201		0.0196	0.00276	ng/L
PCB 104 (BZ)	ND		0.0196	0.00205	ng/L
PCB 105 (BZ)	0.213		0.0196	0.00205	ng/L
PCB 106 (BZ)	ND		0.0196	0.00237	ng/L
PCB 107 (BZ)/109 (IUPAC)	0.0683		0.0196	0.00225	ng/L
PCB 108 (BZ)/107 (IUPAC)	0.0198	C	0.0196	0.00229	ng/L

MM 10-31-06

Shaw E & I Inc

Sample ID: OU4-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 007	Work Order #....:	JC4P32AA	Matrix....:	WATER
Date Sampled....:	08/17/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.590	C86	0.0196	0.00239	ng/L
PCB 110 (BZ)	1.04	B C	0.0196	0.00208	ng/L
PCB 111 (BZ)	ND		0.0196	0.00198	ng/L
PCB 112 (BZ)	ND		0.0196	0.00214	ng/L
PCB 113 (BZ)	0.870	B C90	0.0196	0.00242	ng/L
PCB 114 (BZ)	0.0193	J	0.0196	0.00186	ng/L
PCB 115 (BZ)	1.04	B C110	0.0196	0.00208	ng/L
PCB 116 (BZ)	0.203	C85	0.0196	0.00240	ng/L
PCB 117 (BZ)	0.203	C85	0.0196	0.00240	ng/L
PCB 118 (BZ)	0.632	B	0.0196	0.00208	ng/L
PCB 119 (BZ)	0.590	C86	0.0196	0.00239	ng/L
PCB 120 (BZ)	0.00783	J	0.0196	0.00201	ng/L
PCB 121 (BZ)	ND		0.0196	0.00208	ng/L
PCB 122 (BZ)	0.0135	Q J	0.0196	0.00238	ng/L
PCB 123 (BZ)	0.0160	Q J	0.0196	0.00201	ng/L
PCB 124 (BZ)	0.0198	C108	0.0196	0.00229	ng/L
PCB 125 (BZ)	0.590	C86	0.0196	0.00239	ng/L
PCB 126 (BZ)	0.00393	Q J	0.0196	0.00243	ng/L
PCB 127 (BZ)	ND		0.0196	0.00214	ng/L
PCB 128 (BZ)	0.0697	C	0.0196	0.00223	ng/L
PCB 129 (BZ)	0.388	B C	0.0196	0.00228	ng/L
PCB 130 (BZ)	0.0378		0.0196	0.00303	ng/L
PCB 131 (BZ)	0.00607	J	0.0196	0.00306	ng/L
PCB 132 (BZ)	0.160	B	0.0196	0.00297	ng/L
PCB 133 (BZ)	0.0109	Q J	0.0196	0.00270	ng/L
PCB 134 (BZ)	0.0294	Q C J	0.0196	0.00303	ng/L
PCB 135 (BZ)	0.156	C	0.0196	0.00234	ng/L
PCB 136 (BZ)	0.0556	B	0.0196	0.00170	ng/L
PCB 137 (BZ)	0.0436	Q C J	0.0196	0.00223	ng/L
PCB 138 (BZ)	0.388	B C129	0.0196	0.00228	ng/L
PCB 139 (BZ)	0.0127	Q C J	0.0196	0.00254	ng/L
PCB 140 (BZ)	0.0127	Q C139 J	0.0196	0.00254	ng/L
PCB 141 (BZ)	0.0691	B	0.0196	0.00285	ng/L
PCB 142 (BZ)	ND		0.0196	0.00298	ng/L
PCB 143 (BZ)	0.0294	Q C134 J	0.0196	0.00303	ng/L
PCB 144 (BZ)	0.0163	J	0.0196	0.00226	ng/L

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU4-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 007	**Work Order #....:**	JC4P32AA	**Matrix....:**	WATER
Date Sampled....:	08/17/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0196	0.00168	ng/L
PCB 146 (BZ)	**0.0914**		**0.0196**	**0.00244**	**ng/L**
PCB 147 (BZ)	**0.362**	**B C**	**0.0196**	**0.00255**	**ng/L**
PCB 148 (BZ)	ND		0.0196	0.00232	ng/L
PCB 149 (BZ)	**0.362**	**B C147**	**0.0196**	**0.00255**	**ng/L**
PCB 150 (BZ)	ND		0.0196	0.00162	ng/L
PCB 151 (BZ)	**0.156**	**C135**	**0.0196**	**0.00234**	**ng/L**
PCB 152 (BZ)	ND		0.0196	0.00161	ng/L
PCB 153 (BZ)	**0.331**	**B C**	**0.0196**	**0.00196**	**ng/L**
PCB 154 (BZ)	**0.0105**	**Q J**	**0.0196**	**0.00190**	**ng/L**
PCB 155 (BZ)	ND		0.0196	0.00151	ng/L
PCB 156 (BZ)	**0.0409**	**C**	**0.0196**	**0.00195**	**ng/L**
PCB 157 (BZ)	**0.0409**	**C156**	**0.0196**	**0.00195**	**ng/L**
PCB 158 (BZ)	**0.0386**		**0.0196**	**0.00176**	**ng/L**
PCB 159 (BZ)	**0.00487**	**J**	**0.0196**	**0.00191**	**ng/L**
PCB 160 (BZ)	**0.388**	**B C129**	**0.0196**	**0.00228**	**ng/L**
PCB 161 (BZ)	ND		0.0196	0.00186	ng/L
PCB 162 (BZ)	ND		0.0196	0.00189	ng/L
PCB 163 (BZ)	**0.388**	**B C129**	**0.0196**	**0.00228**	**ng/L**
PCB 164 (BZ)	**0.0436**	**Q C137** J	**0.0196**	**0.00223**	**ng/L**
PCB 165 (BZ)	ND		0.0196	0.00212	ng/L
PCB 166 (BZ)	**0.0697**	**C128**	**0.0196**	**0.00223**	**ng/L**
PCB 167 (BZ)	**0.0123**	**J**	**0.0196**	**0.00141**	**ng/L**
PCB 168 (BZ)	**0.331**	**B C153**	**0.0196**	**0.00196**	**ng/L**
PCB 169 (BZ)	ND		0.0196	0.00212	ng/L
PCB 170 (BZ)	**0.0841**		**0.0196**	**0.00186**	**ng/L**
PCB 171 (BZ)	**0.0311**	**C**	**0.0196**	**0.00183**	**ng/L**
PCB 172 (BZ)	**0.0196**		**0.0196**	**0.00183**	**ng/L**
PCB 173 (BZ)	**0.0311**	**C171**	**0.0196**	**0.00183**	**ng/L**
PCB 174 (BZ)	**0.0967**		**0.0196**	**0.00166**	**ng/L**
PCB 175 (BZ)	**0.00494**	**J**	**0.0196**	**0.00163**	**ng/L**
PCB 176 (BZ)	**0.0138**	**J**	**0.0196**	**0.00120**	**ng/L**
PCB 177 (BZ)	**0.0594**		**0.0196**	**0.00175**	**ng/L**
PCB 178 (BZ)	**0.0281**		**0.0196**	**0.00175**	**ng/L**
PCB 179 (BZ)	**0.0470**		**0.0196**	**0.00127**	**ng/L**
PCB 180 (BZ)	**0.196**	**B C**	**0.0196**	**0.00136**	**ng/L**

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU4-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 007	**Work Order #....:**	JC4P32AA	**Matrix....:**	WATER
Date Sampled....:	08/17/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0196	0.00158	ng/L
PCB 182 (BZ)	ND		0.0196	0.00153	ng/L
PCB 183 (BZ)	**0.0649**	**C**	**0.0196**	**0.00162**	**ng/L**
PCB 184 (BZ)	ND		0.0196	0.00128	ng/L
PCB 185 (BZ)	**0.0649**	**C183**	**0.0196**	**0.00162**	**ng/L**
PCB 186 (BZ)	ND		0.0196	0.00126	ng/L
PCB 187 (BZ)	**0.139**		**0.0196**	**0.00150**	**ng/L**
PCB 188 (BZ)	ND		0.0196	0.00116	ng/L
PCB 189 (BZ)	**0.00307**	**Q J**	**0.0196**	**0.00133**	**ng/L**
PCB 190 (BZ)	**0.0153**	**Q J**	**0.0196**	**0.00125**	**ng/L**
PCB 191 (BZ)	**0.00409**	**Q J**	**0.0196**	**0.00120**	**ng/L**
PCB 192 (BZ)	ND		0.0196	0.00136	ng/L
PCB 193 (BZ)	**0.196**	**B C180**	**0.0196**	**0.00136**	**ng/L**
PCB 194 (BZ)	**0.0677**		**0.0196**	**0.00164**	**ng/L**
PCB 195 (BZ)	**0.0236**		**0.0196**	**0.00180**	**ng/L**
PCB 196 (BZ)	**0.0322**		**0.0196**	**0.00162**	**ng/L**
PCB 197 (BZ)	**0.0103**	**Q C J**	**0.0196**	**0.00113**	**ng/L**
PCB 198 (BZ)	**0.0929**	**C**	**0.0196**	**0.00163**	**ng/L**
PCB 201 (BZ)/199 (IUPAC)	**0.0929**	**C198**	**0.0196**	**0.00163**	**ng/L**
PCB 199 (BZ)/200 (IUPAC)	**0.0103**	**Q C197 J**	**0.0196**	**0.00113**	**ng/L**
PCB 200 (BZ)/201 (IUPAC)	**0.00989**	**J**	**0.0196**	**0.00108**	**ng/L**
PCB 202 (BZ)	**0.0222**		**0.0196**	**0.00122**	**ng/L**
PCB 203 (BZ)	**0.0511**		**0.0196**	**0.00147**	**ng/L**
PCB 204 (BZ)	ND		0.0196	0.00115	ng/L
PCB 205 (BZ)	ND		0.0196	0.00133	ng/L
PCB 206 (BZ)	**0.0655**		**0.0196**	**0.00143**	**ng/L**
PCB 207 (BZ)	**0.00754**	**J**	**0.0196**	**0.000933**	**ng/L**
PCB 208 (BZ)	**0.0223**		**0.0196**	**0.000934**	**ng/L**
PCB 209 (BZ)	**0.0491**		**0.0196**	**0.00132**	**ng/L**

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU4-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 007	Work Order #....:	JC4P32AA	Matrix....:	WATER
Date Sampled....:	08/17/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	28	*	30 - 140
13C12-PCB 3	28	*	30 - 140
13C12-PCB 4	42		30 - 140
13C12-PCB 15	46		30 - 140
13C12-PCB 19	46		30 - 140
13C12-PCB 37	55		30 - 140
13C12-PCB 54	63		30 - 140
13C12-PCB 77	52		30 - 140
13C12-PCB 81	51		30 - 140
13C12-PCB 104	53		30 - 140
13C12-PCB 105	63		30 - 140
13C12-PCB 114	62		30 - 140
13C12-PCB 118	62		30 - 140
13C12-PCB 123	60		30 - 140
13C12-PCB 126	54		30 - 140
13C12-PCB 155	70		30 - 140
13C12-PCB 156	58	C	30 - 140
13C12-PCB 157	58	C	30 - 140
13C12-PCB 167	58		30 - 140
13C12-PCB 169	39		30 - 140
13C12-PCB 170	63		30 - 140
13C12-PCB 188	59		30 - 140
13C12-PCB 189	56		30 - 140
13C12-PCB 202	72		30 - 140
13C12-PCB 205	64		30 - 140
13C12-PCB 206	74		30 - 140
13C12-PCB 208	80		30 - 140
13C12-PCB 209	80		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	99	40 - 125
13C12-PCB 111	99	40 - 125
13C12-PCB 178	99	40 - 125

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU4-06-0817

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 007	**Work Order #....:**	JC4P32AA	**Matrix....:**	WATER
Date Sampled....:	08/17/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	MID	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

- * Surrogate recovery is outside stated control limits.
- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- C Co-eluting isomer.
- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU5A-06-0822-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 010	Work Order #....:	JDC6Q2AA	Matrix....:	WATER
Date Sampled....:	08/22/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.00774	B J U	0.0400	0.000928	ng/L
PCB 2 (BZ)	0.00697	B J U	0.0400	0.00121	ng/L
PCB 3 (BZ)	0.00476	Q J	0.0400	0.00145	ng/L
PCB 4 (BZ)	0.0278	Q B J U	0.0600	0.00609	ng/L
PCB 5 (BZ)	ND		0.0400	0.00592	ng/L
PCB 6 (BZ)	0.0138	Q B J U	0.0400	0.00521	ng/L
PCB 7 (BZ)	ND		0.0400	0.00541	ng/L
PCB 8 (BZ)	0.0610	Q B UJ	0.0600	0.00519	ng/L
PCB 9 (BZ)	0.00540	Q B J U	0.0400	0.00528	ng/L
PCB 10 (BZ)	ND		0.0400	0.00576	ng/L
PCB 11 (BZ)	0.128	B	0.0600	0.00567	ng/L
PCB 12 (BZ)	0.0103	Q B C J	0.0600	0.00554	ng/L
PCB 13 (BZ)	0.0103	Q B C12 J	0.0600	0.00554	ng/L
PCB 14 (BZ)	ND		0.0400	0.00465	ng/L
PCB 15 (BZ)	0.0344	Q B J	0.0400	0.00663	ng/L
PCB 16 (BZ)	0.0482		0.0400	0.00465	ng/L
PCB 17 (BZ)	0.0645	B	0.0400	0.00401	ng/L
PCB 18 (BZ)	0.116	B C	0.0600	0.00338	ng/L
PCB 19 (BZ)	0.0117	Q J	0.0400	0.00446	ng/L
PCB 20 (BZ)	0.273	B C	0.0400	0.00285	ng/L
PCB 21 (BZ)	0.0959	B C	0.0400	0.00284	ng/L
PCB 22 (BZ)	0.0765	B	0.0400	0.00304	ng/L
PCB 23 (BZ)	ND		0.0400	0.00305	ng/L
PCB 24 (BZ)	ND		0.0400	0.00296	ng/L
PCB 25 (BZ)	0.0299	J	0.0400	0.00259	ng/L
PCB 26 (BZ)	0.0458	B C	0.0400	0.00290	ng/L
PCB 27 (BZ)	0.0141	J	0.0400	0.00278	ng/L
PCB 28 (BZ)	0.273	B C20	0.0400	0.00285	ng/L
PCB 29 (BZ)	0.0458	B C26	0.0400	0.00290	ng/L
PCB 30 (BZ)	0.116	B C18	0.0600	0.00338	ng/L
PCB 31 (BZ)	0.173	B	0.0400	0.00286	ng/L
PCB 32 (BZ)	0.00840	Q B J U	0.0400	0.00262	ng/L
PCB 33 (BZ)	0.0959	B C21	0.0400	0.00284	ng/L
PCB 34 (BZ)	ND		0.0400	0.00301	ng/L
PCB 35 (BZ)	ND		0.0400	0.00315	ng/L
PCB 36 (BZ)	ND		0.0400	0.00309	ng/L

MM 10-31-06

Shaw E & I Inc

Sample ID: OU5A-06-0822-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 010	**Work Order #....:**	JDC6Q2AA	**Matrix....:**	WATER
Date Sampled....:	08/22/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.0694		0.0400	0.00313	ng/L
PCB 38 (BZ)	ND		0.0400	0.00297	ng/L
PCB 39 (BZ)	ND		0.0400	0.00281	ng/L
PCB 40 (BZ)	0.0977	B C	0.0400	0.00412	ng/L
PCB 41 (BZ)	0.0977	B C40	0.0400	0.00412	ng/L
PCB 42 (BZ)	0.0526	B	0.0400	0.00429	ng/L
PCB 43 (BZ)	0.00779	Q C J	0.0400	0.00384	ng/L
PCB 44 (BZ)	0.195	B C	0.0400	0.00358	ng/L
PCB 45 (BZ)	0.0302	C J	0.0400	0.00422	ng/L
PCB 46 (BZ)	0.0108	Q J	0.0400	0.00522	ng/L
PCB 47 (BZ)	0.195	B C44	0.0400	0.00358	ng/L
PCB 48 (BZ)	0.0375	Q B J	0.0400	0.00425	ng/L
PCB 49 (BZ)	0.117	B C	0.0400	0.00333	ng/L
PCB 50 (BZ)	0.0214	B C J	0.0400	0.00391	ng/L
PCB 51 (BZ)	0.0302	C45 J	0.0400	0.00422	ng/L
PCB 52 (BZ)	0.179	B	0.0400	0.00395	ng/L
PCB 53 (BZ)	0.0214	B C50 J	0.0400	0.00391	ng/L
PCB 54 (BZ)	ND		0.0400	0.00535	ng/L
PCB 55 (BZ)	0.0114	Q J	0.0400	0.00316	ng/L
PCB 56 (BZ)	0.0790		0.0400	0.00299	ng/L
PCB 57 (BZ)	ND		0.0400	0.00299	ng/L
PCB 58 (BZ)	ND		0.0400	0.00291	ng/L
PCB 59 (BZ)	0.0239	C J	0.0400	0.00281	ng/L
PCB 60 (BZ)	0.0297	J	0.0400	0.00319	ng/L
PCB 61 (BZ)	0.222	B C	0.0400	0.00281	ng/L
PCB 62 (BZ)	0.0239	C59 J	0.0400	0.00281	ng/L
PCB 63 (BZ)	0.00975	J	0.0400	0.00270	ng/L
PCB 64 (BZ)	0.0835	B	0.0400	0.00268	ng/L
PCB 65 (BZ)	0.195	B C44	0.0400	0.00358	ng/L
PCB 66 (BZ)	0.166	B	0.0400	0.00287	ng/L
PCB 67 (BZ)	0.00496	Q J	0.0400	0.00258	ng/L
PCB 68 (BZ)	ND		0.0400	0.00278	ng/L
PCB 69 (BZ)	0.117	B C49	0.0400	0.00333	ng/L
PCB 70 (BZ)	0.222	B C61	0.0400	0.00281	ng/L
PCB 71 (BZ)	0.0977	B C40	0.0400	0.00412	ng/L
PCB 72 (BZ)	ND		0.0400	0.00299	ng/L

MAN 10-31-06

Shaw E & I Inc

Sample ID: OU5A-06-0822-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 010	Work Order #....:	JDC6Q2AA	Matrix....:	WATER
Date Sampled....:	08/22/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.00779	Q C43 J	0.0400	0.00384	ng/L
PCB 74 (BZ)	0.222	B C61	0.0400	0.00281	ng/L
PCB 75 (BZ)	0.0239	C59 J	0.0400	0.00281	ng/L
PCB 76 (BZ)	0.222	B C61	0.0400	0.00281	ng/L
PCB 77 (BZ)	0.0162	J	0.0400	0.00308	ng/L
PCB 78 (BZ)	ND		0.0400	0.00324	ng/L
PCB 79 (BZ)	ND		0.0400	0.00248	ng/L
PCB 80 (BZ)	ND		0.0400	0.00276	ng/L
PCB 81 (BZ)	ND		0.0400	0.00284	ng/L
PCB 82 (BZ)	0.0172	Q J	0.0400	0.00418	ng/L
PCB 83 (BZ)	0.0498	C	0.0400	0.00356	ng/L
PCB 84 (BZ)	0.0199	Q J	0.0400	0.00416	ng/L
PCB 85 (BZ)	0.0214	C J	0.0400	0.00287	ng/L
PCB 86 (BZ)	0.0578	Q C J	0.0400	0.00286	ng/L
PCB 87 (BZ)	0.0578	Q C86 J	0.0400	0.00286	ng/L
PCB 88 (BZ)	0.0142	C J	0.0400	0.00358	ng/L
PCB 89 (BZ)	ND		0.0400	0.00395	ng/L
PCB 90 (BZ)	0.0593	Q B C J	0.0400	0.00290	ng/L
PCB 91 (BZ)	0.0142	C88 J	0.0400	0.00358	ng/L
PCB 92 (BZ)	0.0172	J	0.0400	0.00346	ng/L
PCB 93 (BZ)	ND		0.0400	0.00339	ng/L
PCB 94 (BZ)	ND		0.0400	0.00392	ng/L
PCB 95 (BZ)	0.0504	Q B J	0.0400	0.00347	ng/L
PCB 96 (BZ)	ND		0.0400	0.00271	ng/L
PCB 97 (BZ)	0.0578	Q C86 J	0.0400	0.00286	ng/L
PCB 98 (BZ)	ND		0.0400	0.00334	ng/L
PCB 99 (BZ)	0.0498	C83	0.0400	0.00356	ng/L
PCB 100 (BZ)	ND		0.0400	0.00339	ng/L
PCB 101 (BZ)	0.0593	Q B C90 J	0.0400	0.00290	ng/L
PCB 102 (BZ)	ND		0.0400	0.00334	ng/L
PCB 103 (BZ)	ND		0.0400	0.00330	ng/L
PCB 104 (BZ)	ND		0.0400	0.00245	ng/L
PCB 105 (BZ)	0.0291	J	0.0400	0.00203	ng/L
PCB 106 (BZ)	ND		0.0400	0.00235	ng/L
PCB 107 (BZ)/109 (IUPAC)	0.00716	J	0.0400	0.00223	ng/L
PCB 108 (BZ)/107 (IUPAC)	ND		0.0400	0.00228	ng/L

10-31-06

Shaw E & I Inc

Sample ID: OU5A-06-0822-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 010	Work Order #....:	JDC6Q2AA	Matrix....:	WATER
Date Sampled....:	08/22/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	Instrument ID....:	MID	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.0578	Q C86 J	0.0400	0.00286	ng/L
PCB 110 (BZ)	0.0933	B C	0.0400	0.00248	ng/L
PCB 111 (BZ)	ND		0.0400	0.00237	ng/L
PCB 112 (BZ)	ND		0.0400	0.00255	ng/L
PCB 113 (BZ)	0.0593	Q B C90 J	0.0400	0.00290	ng/L
PCB 114 (BZ)	ND		0.0400	0.00187	ng/L
PCB 115 (BZ)	0.0933	B C110	0.0400	0.00248	ng/L
PCB 116 (BZ)	0.0214	C85 J	0.0400	0.00287	ng/L
PCB 117 (BZ)	0.0214	C85 J	0.0400	0.00287	ng/L
PCB 118 (BZ)	0.0586	B	0.0400	0.00207	ng/L
PCB 119 (BZ)	0.0578	Q C86 J	0.0400	0.00286	ng/L
PCB 120 (BZ)	ND		0.0400	0.00241	ng/L
PCB 121 (BZ)	ND		0.0400	0.00249	ng/L
PCB 122 (BZ)	ND		0.0400	0.00237	ng/L
PCB 123 (BZ)	ND		0.0400	0.00198	ng/L
PCB 124 (BZ)	ND		0.0400	0.00228	ng/L
PCB 125 (BZ)	0.0578	Q C86 J	0.0400	0.00286	ng/L
PCB 126 (BZ)	ND		0.0400	0.00243	ng/L
PCB 127 (BZ)	ND		0.0400	0.00213	ng/L
PCB 128 (BZ)	0.0100	Q C J	0.0400	0.00288	ng/L
PCB 129 (BZ)	0.0545	B C	0.0400	0.00294	ng/L
PCB 130 (BZ)	ND		0.0400	0.00390	ng/L
PCB 131 (BZ)	ND		0.0400	0.00394	ng/L
PCB 132 (BZ)	0.0199	B J	0.0400	0.00382	ng/L
PCB 133 (BZ)	ND		0.0400	0.00348	ng/L
PCB 134 (BZ)	ND		0.0400	0.00390	ng/L
PCB 135 (BZ)	0.0149	C J	0.0400	0.00416	ng/L
PCB 136 (BZ)	0.00651	B J	0.0400	0.00302	ng/L
PCB 137 (BZ)	ND		0.0400	0.00287	ng/L
PCB 138 (BZ)	0.0545	B C129	0.0400	0.00294	ng/L
PCB 139 (BZ)	ND		0.0400	0.00327	ng/L
PCB 140 (BZ)	ND		0.0400	0.00327	ng/L
PCB 141 (BZ)	0.00933	Q B J U	0.0400	0.00366	ng/L
PCB 142 (BZ)	ND		0.0400	0.00384	ng/L
PCB 143 (BZ)	ND		0.0400	0.00390	ng/L
PCB 144 (BZ)	ND		0.0400	0.00402	ng/L

MAN 10-31-06

Shaw E & I Inc

Sample ID: OU5A-06-0822-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 010	Work Order #....:	JDC6Q2AA	Matrix....:	WATER
Date Sampled....:	08/22/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0400	0.00298	ng/L
PCB 146 (BZ)	0.00823	Q J	0.0400	0.00314	ng/L
PCB 147 (BZ)	0.0371	B C J	0.0400	0.00328	ng/L
PCB 148 (BZ)	ND		0.0400	0.00412	ng/L
PCB 149 (BZ)	0.0371	B C147 J	0.0400	0.00328	ng/L
PCB 150 (BZ)	ND		0.0400	0.00287	ng/L
PCB 151 (BZ)	0.0149	C135 J	0.0400	0.00416	ng/L
PCB 152 (BZ)	ND		0.0400	0.00285	ng/L
PCB 153 (BZ)	0.0370	B C J	0.0400	0.00253	ng/L
PCB 154 (BZ)	ND		0.0400	0.00339	ng/L
PCB 155 (BZ)	ND		0.0400	0.00269	ng/L
PCB 156 (BZ)	0.00788	Q C J	0.0400	0.00256	ng/L
PCB 157 (BZ)	0.00788	Q C156 J	0.0400	0.00256	ng/L
PCB 158 (BZ)	0.00415	Q J	0.0400	0.00226	ng/L
PCB 159 (BZ)	ND		0.0400	0.00246	ng/L
PCB 160 (BZ)	0.0545	B C129	0.0400	0.00294	ng/L
PCB 161 (BZ)	ND		0.0400	0.00240	ng/L
PCB 162 (BZ)	ND		0.0400	0.00244	ng/L
PCB 163 (BZ)	0.0545	B C129	0.0400	0.00294	ng/L
PCB 164 (BZ)	ND		0.0400	0.00287	ng/L
PCB 165 (BZ)	ND		0.0400	0.00273	ng/L
PCB 166 (BZ)	0.0100	Q C128 J	0.0400	0.00288	ng/L
PCB 167 (BZ)	ND		0.0400	0.00184	ng/L
PCB 168 (BZ)	0.0370	B C153 J	0.0400	0.00253	ng/L
PCB 169 (BZ)	ND		0.0400	0.00254	ng/L
PCB 170 (BZ)	0.00582	J	0.0400	0.00270	ng/L
PCB 171 (BZ)	ND		0.0400	0.00260	ng/L
PCB 172 (BZ)	ND		0.0400	0.00260	ng/L
PCB 173 (BZ)	ND		0.0400	0.00260	ng/L
PCB 174 (BZ)	0.0115	J	0.0400	0.00236	ng/L
PCB 175 (BZ)	ND		0.0400	0.00231	ng/L
PCB 176 (BZ)	ND		0.0400	0.00170	ng/L
PCB 177 (BZ)	0.00735	Q J	0.0400	0.00249	ng/L
PCB 178 (BZ)	ND		0.0400	0.00248	ng/L
PCB 179 (BZ)	0.00481	Q J	0.0400	0.00180	ng/L
PCB 180 (BZ)	0.0182	Q B C J	0.0400	0.00194	ng/L

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Trace Level Organic Compounds

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Date Sampled....:	08/22/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0400	0.00224	ng/L
PCB 182 (BZ)	ND		0.0400	0.00218	ng/L
PCB 183 (BZ)	**0.00383**	**Q C J**	**0.0400**	**0.00230**	**ng/L**
PCB 184 (BZ)	ND		0.0400	0.00182	ng/L
PCB 185 (BZ)	**0.00383**	**Q C183 J**	**0.0400**	**0.00230**	**ng/L**
PCB 186 (BZ)	ND		0.0400	0.00179	ng/L
PCB 187 (BZ)	**0.0108**	**Q J**	**0.0400**	**0.00213**	**ng/L**
PCB 188 (BZ)	ND		0.0400	0.00163	ng/L
PCB 189 (BZ)	ND		0.0400	0.00166	ng/L
PCB 190 (BZ)	ND		0.0400	0.00178	ng/L
PCB 191 (BZ)	ND		0.0400	0.00170	ng/L
PCB 192 (BZ)	ND		0.0400	0.00193	ng/L
PCB 193 (BZ)	**0.0182**	**Q B C180 J**	**0.0400**	**0.00194**	**ng/L**
PCB 194 (BZ)	**0.00594**	**J**	**0.0400**	**0.00213**	**ng/L**
PCB 195 (BZ)	ND		0.0400	0.00233	ng/L
PCB 196 (BZ)	**0.00599**	**J**	**0.0400**	**0.00248**	**ng/L**
PCB 197 (BZ)	ND		0.0400	0.00173	ng/L
PCB 198 (BZ)	**0.00873**	**Q C J**	**0.0400**	**0.00250**	**ng/L**
PCB 201 (BZ)/199 (IUPAC)	**0.00873**	**Q C198 J**	**0.0400**	**0.00250**	**ng/L**
PCB 199 (BZ)/200 (IUPAC)	ND		0.0400	0.00173	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND		0.0400	0.00165	ng/L
PCB 202 (BZ)	ND		0.0400	0.00187	ng/L
PCB 203 (BZ)	**0.00539**	**Q J**	**0.0400**	**0.00225**	**ng/L**
PCB 204 (BZ)	ND		0.0400	0.00175	ng/L
PCB 205 (BZ)	ND		0.0400	0.00173	ng/L
PCB 206 (BZ)	**0.00367**	**Q J**	**0.0400**	**0.00241**	**ng/L**
PCB 207 (BZ)	ND		0.0400	0.00152	ng/L
PCB 208 (BZ)	ND		0.0400	0.00149	ng/L
PCB 209 (BZ)	**0.00339**	**Q J**	**0.0400**	**0.00189**	**ng/L**

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU5A-06-0822-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 010	**Work Order #....:**	JDC6Q2AA	**Matrix....:**	WATER
Date Sampled....:	08/22/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	70		30 - 140
13C12-PCB 3	64		30 - 140
13C12-PCB 4	81		30 - 140
13C12-PCB 15	68		30 - 140
13C12-PCB 19	80		30 - 140
13C12-PCB 37	78		30 - 140
13C12-PCB 54	73		30 - 140
13C12-PCB 77	73		30 - 140
13C12-PCB 81	74		30 - 140
13C12-PCB 104	80		30 - 140
13C12-PCB 105	88		30 - 140
13C12-PCB 114	87		30 - 140
13C12-PCB 118	88		30 - 140
13C12-PCB 123	85		30 - 140
13C12-PCB 126	78		30 - 140
13C12-PCB 155	90		30 - 140
13C12-PCB 156	86	C	30 - 140
13C12-PCB 157	86	C	30 - 140
13C12-PCB 167	85		30 - 140
13C12-PCB 169	59		30 - 140
13C12-PCB 170	81		30 - 140
13C12-PCB 188	84		30 - 140
13C12-PCB 189	80		30 - 140
13C12-PCB 202	94		30 - 140
13C12-PCB 205	87		30 - 140
13C12-PCB 206	90		30 - 140
13C12-PCB 208	103		30 - 140
13C12-PCB 209	95		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	99	40 - 125
13C12-PCB 111	99	40 - 125
13C12-PCB 178	95	40 - 125

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU5A-06-0822-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 010	**Work Order #....:**	JDC6Q2AA	**Matrix....:**	WATER
Date Sampled....:	08/22/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

MAH 10-31-06

Shaw E & I Inc

Sample ID: OU5A-06-0822-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 011	**Work Order #....:**	JDC602AA	**Matrix....:**	WATER
Date Sampled....:	08/22/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	**0.00505**	**Q B J** U	**0.0400**	**0.000806**	**ng/L**
PCB 2 (BZ)	ND		0.0400	0.00108	ng/L
PCB 3 (BZ)	**0.00411**	**Q J**	**0.0400**	**0.00135**	**ng/L**
PCB 4 (BZ)	**0.0253**	**Q B J** U	**0.0600**	**0.00564**	**ng/L**
PCB 5 (BZ)	ND		0.0400	0.00499	ng/L
PCB 6 (BZ)	**0.0128**	**Q B J** U	**0.0400**	**0.00439**	**ng/L**
PCB 7 (BZ)	**0.00593**	**Q B J** U	**0.0400**	**0.00456**	**ng/L**
PCB 8 (BZ)	**0.0524**	**B J** U	**0.0600**	**0.00438**	**ng/L**
PCB 9 (BZ)	ND		0.0400	0.00445	ng/L
PCB 10 (BZ)	ND		0.0400	0.00486	ng/L
PCB 11 (BZ)	**0.108**	**B**	**0.0600**	**0.00478**	**ng/L**
PCB 12 (BZ)	**0.0105**	**Q B C J**	**0.0600**	**0.00467**	**ng/L**
PCB 13 (BZ)	**0.0105**	**Q B C12 J**	**0.0600**	**0.00467**	**ng/L**
PCB 14 (BZ)	**0.00192**	**Q J**	**0.0400**	**0.00392**	**ng/L**
PCB 15 (BZ)	**0.0253**	**B J**	**0.0400**	**0.00509**	**ng/L**
PCB 16 (BZ)	**0.0419**		**0.0400**	**0.00404**	**ng/L**
PCB 17 (BZ)	**0.0529**	**B**	**0.0400**	**0.00349**	**ng/L**
PCB 18 (BZ)	**0.103**	**B C**	**0.0600**	**0.00294**	**ng/L**
PCB 19 (BZ)	**0.0104**	**Q J**	**0.0400**	**0.00388**	**ng/L**
PCB 20 (BZ)	**0.207**	**B C**	**0.0400**	**0.00231**	**ng/L**
PCB 21 (BZ)	**0.0733**	**B C**	**0.0400**	**0.00230**	**ng/L**
PCB 22 (BZ)	**0.0530**	**Q B** J	**0.0400**	**0.00246**	**ng/L**
PCB 23 (BZ)	ND		0.0400	0.00247	ng/L
PCB 24 (BZ)	ND		0.0400	0.00258	ng/L
PCB 25 (BZ)	**0.0229**	**J**	**0.0400**	**0.00210**	**ng/L**
PCB 26 (BZ)	**0.0355**	**B C J**	**0.0400**	**0.00235**	**ng/L**
PCB 27 (BZ)	**0.0104**	**Q J**	**0.0400**	**0.00241**	**ng/L**
PCB 28 (BZ)	**0.207**	**B C20**	**0.0400**	**0.00231**	**ng/L**
PCB 29 (BZ)	**0.0355**	**B C26 J**	**0.0400**	**0.00235**	**ng/L**
PCB 30 (BZ)	**0.103**	**B C18**	**0.0600**	**0.00294**	**ng/L**
PCB 31 (BZ)	**0.147**	**B**	**0.0400**	**0.00231**	**ng/L**
PCB 32 (BZ)	**0.00780**	**B J** U	**0.0400**	**0.00228**	**ng/L**
PCB 33 (BZ)	**0.0733**	**B C21**	**0.0400**	**0.00230**	**ng/L**
PCB 34 (BZ)	ND		0.0400	0.00244	ng/L
PCB 35 (BZ)	ND		0.0400	0.00255	ng/L
PCB 36 (BZ)	ND		0.0400	0.00250	ng/L

MW 10-31-06

Shaw E & I Inc

Sample ID: OU5A-06-0822-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 011	**Work Order #....:**	JDC602AA	**Matrix....:**	WATER
Date Sampled....:	08/22/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.0455		0.0400	0.00254	ng/L
PCB 38 (BZ)	ND		0.0400	0.00241	ng/L
PCB 39 (BZ)	0.00297	Q J	0.0400	0.00228	ng/L
PCB 40 (BZ)	0.0720	B C	0.0400	0.00322	ng/L
PCB 41 (BZ)	0.0720	B C40	0.0400	0.00322	ng/L
PCB 42 (BZ)	0.0490	B	0.0400	0.00335	ng/L
PCB 43 (BZ)	0.00814	Q C J	0.0400	0.00300	ng/L
PCB 44 (BZ)	0.162	B C	0.0400	0.00280	ng/L
PCB 45 (BZ)	0.0264	C J	0.0400	0.00330	ng/L
PCB 46 (BZ)	0.0107	J	0.0400	0.00407	ng/L
PCB 47 (BZ)	0.162	B C44	0.0400	0.00280	ng/L
PCB 48 (BZ)	0.0342	B J	0.0400	0.00332	ng/L
PCB 49 (BZ)	0.100	B C	0.0400	0.00260	ng/L
PCB 50 (BZ)	0.0188	B C J	0.0400	0.00305	ng/L
PCB 51 (BZ)	0.0264	C45 J	0.0400	0.00330	ng/L
PCB 52 (BZ)	0.148	B	0.0400	0.00309	ng/L
PCB 53 (BZ)	0.0188	B C50 J	0.0400	0.00305	ng/L
PCB 54 (BZ)	ND		0.0400	0.00396	ng/L
PCB 55 (BZ)	ND		0.0400	0.00247	ng/L
PCB 56 (BZ)	0.0651		0.0400	0.00233	ng/L
PCB 57 (BZ)	ND		0.0400	0.00233	ng/L
PCB 58 (BZ)	ND		0.0400	0.00227	ng/L
PCB 59 (BZ)	0.0162	Q C J	0.0400	0.00219	ng/L
PCB 60 (BZ)	0.0237	J	0.0400	0.00249	ng/L
PCB 61 (BZ)	0.176	B C	0.0400	0.00219	ng/L
PCB 62 (BZ)	0.0162	Q C59 J	0.0400	0.00219	ng/L
PCB 63 (BZ)	0.00642	J	0.0400	0.00211	ng/L
PCB 64 (BZ)	0.0651	B	0.0400	0.00209	ng/L
PCB 65 (BZ)	0.162	B C44	0.0400	0.00280	ng/L
PCB 66 (BZ)	0.123	B	0.0400	0.00224	ng/L
PCB 67 (BZ)	0.00462	J	0.0400	0.00201	ng/L
PCB 68 (BZ)	ND		0.0400	0.00217	ng/L
PCB 69 (BZ)	0.100	B C49	0.0400	0.00260	ng/L
PCB 70 (BZ)	0.176	B C61	0.0400	0.00219	ng/L
PCB 71 (BZ)	0.0720	B C40	0.0400	0.00322	ng/L
PCB 72 (BZ)	ND		0.0400	0.00233	ng/L

10-31-06

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Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	**0.00814**	**Q C43 J**	**0.0400**	**0.00300**	**ng/L**
PCB 74 (BZ)	**0.176**	**B C61**	**0.0400**	**0.00219**	**ng/L**
PCB 75 (BZ)	**0.0162**	**Q C59 J**	**0.0400**	**0.00219**	**ng/L**
PCB 76 (BZ)	**0.176**	**B C61**	**0.0400**	**0.00219**	**ng/L**
PCB 77 (BZ)	**0.00835**	**Q J**	**0.0400**	**0.00239**	**ng/L**
PCB 78 (BZ)	ND		0.0400	0.00253	ng/L
PCB 79 (BZ)	ND		0.0400	0.00194	ng/L
PCB 80 (BZ)	ND		0.0400	0.00216	ng/L
PCB 81 (BZ)	ND		0.0400	0.00223	ng/L
PCB 82 (BZ)	**0.0128**	**J**	**0.0400**	**0.00340**	**ng/L**
PCB 83 (BZ)	**0.0394**	**C J**	**0.0400**	**0.00290**	**ng/L**
PCB 84 (BZ)	**0.0180**	**J**	**0.0400**	**0.00339**	**ng/L**
PCB 85 (BZ)	**0.0168**	**C J**	**0.0400**	**0.00234**	**ng/L**
PCB 86 (BZ)	**0.0394**	**Q C J**	**0.0400**	**0.00233**	**ng/L**
PCB 87 (BZ)	**0.0394**	**Q C86 J**	**0.0400**	**0.00233**	**ng/L**
PCB 88 (BZ)	**0.0123**	**C J**	**0.0400**	**0.00292**	**ng/L**
PCB 89 (BZ)	ND		0.0400	0.00322	ng/L
PCB 90 (BZ)	**0.0595**	**B C**	**0.0400**	**0.00236**	**ng/L**
PCB 91 (BZ)	**0.0123**	**C88 J**	**0.0400**	**0.00292**	**ng/L**
PCB 92 (BZ)	**0.0114**	**Q J**	**0.0400**	**0.00282**	**ng/L**
PCB 93 (BZ)	ND		0.0400	0.00276	ng/L
PCB 94 (BZ)	ND		0.0400	0.00319	ng/L
PCB 95 (BZ)	**0.0472**	**B**	**0.0400**	**0.00283**	**ng/L**
PCB 96 (BZ)	ND		0.0400	0.00221	ng/L
PCB 97 (BZ)	**0.0394**	**Q C86 J**	**0.0400**	**0.00233**	**ng/L**
PCB 98 (BZ)	ND		0.0400	0.00272	ng/L
PCB 99 (BZ)	**0.0394**	**C83 J**	**0.0400**	**0.00290**	**ng/L**
PCB 100 (BZ)	ND		0.0400	0.00276	ng/L
PCB 101 (BZ)	**0.0595**	**B C90**	**0.0400**	**0.00236**	**ng/L**
PCB 102 (BZ)	ND		0.0400	0.00272	ng/L
PCB 103 (BZ)	ND		0.0400	0.00269	ng/L
PCB 104 (BZ)	ND		0.0400	0.00200	ng/L
PCB 105 (BZ)	**0.0187**	**J**	**0.0400**	**0.00166**	**ng/L**
PCB 106 (BZ)	ND		0.0400	0.00196	ng/L
PCB 107 (BZ)/109 (IUPAC)	**0.00487**	**J**	**0.0400**	**0.00186**	**ng/L**
PCB 108 (BZ)/107 (IUPAC)	ND		0.0400	0.00190	ng/L

10-31-06

Shaw E & I Inc

Sample ID: OU5A-06-0822-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 011	**Work Order #....:**	JDC602AA	**Matrix....:**	WATER
Date Sampled....:	08/22/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.0394**	**Q C86 J**	**0.0400**	**0.00233**	**ng/L**
PCB 110 (BZ)	**0.0657**	**B C**	**0.0400**	**0.00202**	**ng/L**
PCB 111 (BZ)	ND		0.0400	0.00193	ng/L
PCB 112 (BZ)	ND		0.0400	0.00208	ng/L
PCB 113 (BZ)	**0.0595**	**B C90**	**0.0400**	**0.00236**	**ng/L**
PCB 114 (BZ)	ND		0.0400	0.00157	ng/L
PCB 115 (BZ)	**0.0657**	**B C110**	**0.0400**	**0.00202**	**ng/L**
PCB 116 (BZ)	**0.0168**	**C85 J**	**0.0400**	**0.00234**	**ng/L**
PCB 117 (BZ)	**0.0168**	**C85 J**	**0.0400**	**0.00234**	**ng/L**
PCB 118 (BZ)	**0.0420**	**B**	**0.0400**	**0.00171**	**ng/L**
PCB 119 (BZ)	**0.0394**	**Q C86 J**	**0.0400**	**0.00233**	**ng/L**
PCB 120 (BZ)	ND		0.0400	0.00196	ng/L
PCB 121 (BZ)	ND		0.0400	0.00203	ng/L
PCB 122 (BZ)	ND		0.0400	0.00197	ng/L
PCB 123 (BZ)	ND		0.0400	0.00167	ng/L
PCB 124 (BZ)	ND		0.0400	0.00190	ng/L
PCB 125 (BZ)	**0.0394**	**Q C86 J**	**0.0400**	**0.00233**	**ng/L**
PCB 126 (BZ)	ND		0.0400	0.00202	ng/L
PCB 127 (BZ)	ND		0.0400	0.00177	ng/L
PCB 128 (BZ)	**0.00647**	**C J**	**0.0400**	**0.00230**	**ng/L**
PCB 129 (BZ)	**0.0339**	**B C J**	**0.0400**	**0.00235**	**ng/L**
PCB 130 (BZ)	ND		0.0400	0.00312	ng/L
PCB 131 (BZ)	ND		0.0400	0.00316	ng/L
PCB 132 (BZ)	**0.0114**	**Q B J**	**0.0400**	**0.00306**	**ng/L**
PCB 133 (BZ)	ND		0.0400	0.00279	ng/L
PCB 134 (BZ)	ND		0.0400	0.00312	ng/L
PCB 135 (BZ)	**0.0123**	**Q C J**	**0.0400**	**0.00326**	**ng/L**
PCB 136 (BZ)	ND		0.0400	0.00236	ng/L
PCB 137 (BZ)	**0.00338**	**C J**	**0.0400**	**0.00230**	**ng/L**
PCB 138 (BZ)	**0.0339**	**B C129 J**	**0.0400**	**0.00235**	**ng/L**
PCB 139 (BZ)	ND		0.0400	0.00262	ng/L
PCB 140 (BZ)	ND		0.0400	0.00262	ng/L
PCB 141 (BZ)	**0.00510**	**Q B J U**	**0.0400**	**0.00294**	**ng/L**
PCB 142 (BZ)	ND		0.0400	0.00308	ng/L
PCB 143 (BZ)	ND		0.0400	0.00312	ng/L
PCB 144 (BZ)	ND		0.0400	0.00315	ng/L

MAN 10-31-06

Shaw E & I Inc

Sample ID: OU5A-06-0822-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 011	Work Order #....:	JDC602AA	Matrix....:	WATER
Date Sampled....:	08/22/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0400	0.00233	ng/L
PCB 146 (BZ)	**0.00782**	**J**	**0.0400**	**0.00251**	**ng/L**
PCB 147 (BZ)	**0.0274**	**B C J**	**0.0400**	**0.00263**	**ng/L**
PCB 148 (BZ)	ND		0.0400	0.00323	ng/L
PCB 149 (BZ)	**0.0274**	**B C147 J**	**0.0400**	**0.00263**	**ng/L**
PCB 150 (BZ)	ND		0.0400	0.00225	ng/L
PCB 151 (BZ)	**0.0123**	**Q C135 J**	**0.0400**	**0.00326**	**ng/L**
PCB 152 (BZ)	ND		0.0400	0.00223	ng/L
PCB 153 (BZ)	**0.0275**	**B C J**	**0.0400**	**0.00203**	**ng/L**
PCB 154 (BZ)	ND		0.0400	0.00265	ng/L
PCB 155 (BZ)	ND		0.0400	0.00211	ng/L
PCB 156 (BZ)	**0.00358**	**C J**	**0.0400**	**0.00209**	**ng/L**
PCB 157 (BZ)	**0.00358**	**C156 J**	**0.0400**	**0.00209**	**ng/L**
PCB 158 (BZ)	**0.00451**	**J**	**0.0400**	**0.00181**	**ng/L**
PCB 159 (BZ)	ND		0.0400	0.00197	ng/L
PCB 160 (BZ)	**0.0339**	**B C129 J**	**0.0400**	**0.00235**	**ng/L**
PCB 161 (BZ)	ND		0.0400	0.00192	ng/L
PCB 162 (BZ)	ND		0.0400	0.00195	ng/L
PCB 163 (BZ)	**0.0339**	**B C129 J**	**0.0400**	**0.00235**	**ng/L**
PCB 164 (BZ)	**0.00338**	**C137 J**	**0.0400**	**0.00230**	**ng/L**
PCB 165 (BZ)	ND		0.0400	0.00219	ng/L
PCB 166 (BZ)	**0.00647**	**C128 J**	**0.0400**	**0.00230**	**ng/L**
PCB 167 (BZ)	ND		0.0400	0.00147	ng/L
PCB 168 (BZ)	**0.0275**	**B C153 J**	**0.0400**	**0.00203**	**ng/L**
PCB 169 (BZ)	ND		0.0400	0.00198	ng/L
PCB 170 (BZ)	**0.00613**	**Q J**	**0.0400**	**0.00251**	**ng/L**
PCB 171 (BZ)	ND		0.0400	0.00245	ng/L
PCB 172 (BZ)	ND		0.0400	0.00244	ng/L
PCB 173 (BZ)	ND		0.0400	0.00245	ng/L
PCB 174 (BZ)	**0.00540**	**Q J**	**0.0400**	**0.00222**	**ng/L**
PCB 175 (BZ)	ND		0.0400	0.00217	ng/L
PCB 176 (BZ)	ND		0.0400	0.00160	ng/L
PCB 177 (BZ)	ND		0.0400	0.00234	ng/L
PCB 178 (BZ)	ND		0.0400	0.00234	ng/L
PCB 179 (BZ)	**0.00270**	**Q J**	**0.0400**	**0.00170**	**ng/L**
PCB 180 (BZ)	**0.0106**	**B C J**	**0.0400**	**0.00182**	**ng/L**

10-31-06

Shaw E & I Inc

Sample ID: OU5A-06-0822-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 011	Work Order #....:	JDC602AA	Matrix....:	WATER
Date Sampled....:	08/22/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0400	0.00211	ng/L
PCB 182 (BZ)	ND		0.0400	0.00205	ng/L
PCB 183 (BZ)	**0.00477**	**C J**	**0.0400**	**0.00216**	**ng/L**
PCB 184 (BZ)	ND		0.0400	0.00171	ng/L
PCB 185 (BZ)	**0.00477**	**C183 J**	**0.0400**	**0.00216**	**ng/L**
PCB 186 (BZ)	ND		0.0400	0.00168	ng/L
PCB 187 (BZ)	**0.0103**	**J**	**0.0400**	**0.00200**	**ng/L**
PCB 188 (BZ)	ND		0.0400	0.00155	ng/L
PCB 189 (BZ)	ND		0.0400	0.00150	ng/L
PCB 190 (BZ)	ND		0.0400	0.00167	ng/L
PCB 191 (BZ)	ND		0.0400	0.00160	ng/L
PCB 192 (BZ)	ND		0.0400	0.00182	ng/L
PCB 193 (BZ)	**0.0106**	**B C180 J**	**0.0400**	**0.00182**	**ng/L**
PCB 194 (BZ)	ND		0.0400	0.00192	ng/L
PCB 195 (BZ)	ND		0.0400	0.00211	ng/L
PCB 196 (BZ)	ND		0.0400	0.00222	ng/L
PCB 197 (BZ)	ND		0.0400	0.00154	ng/L
PCB 198 (BZ)	**0.00535**	**C J**	**0.0400**	**0.00223**	**ng/L**
PCB 201 (BZ)/199 (IUPAC)	**0.00535**	**C198 J**	**0.0400**	**0.00223**	**ng/L**
PCB 199 (BZ)/200 (IUPAC)	ND		0.0400	0.00154	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND		0.0400	0.00148	ng/L
PCB 202 (BZ)	ND		0.0400	0.00167	ng/L
PCB 203 (BZ)	ND		0.0400	0.00201	ng/L
PCB 204 (BZ)	ND		0.0400	0.00157	ng/L
PCB 205 (BZ)	ND		0.0400	0.00156	ng/L
PCB 206 (BZ)	ND		0.0400	0.00237	ng/L
PCB 207 (BZ)	ND		0.0400	0.00158	ng/L
PCB 208 (BZ)	ND		0.0400	0.00160	ng/L
PCB 209 (BZ)	ND		0.0400	0.00213	ng/L

10-31-06

Shaw E & I Inc

Sample ID: OU5A-06-0822-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 011	**Work Order #....:**	JDC602AA	**Matrix....:**	WATER
Date Sampled....:	08/22/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	69		30 - 140
13C12-PCB 3	62		30 - 140
13C12-PCB 4	80		30 - 140
13C12-PCB 15	71		30 - 140
13C12-PCB 19	79		30 - 140
13C12-PCB 37	79		30 - 140
13C12-PCB 54	79		30 - 140
13C12-PCB 77	74		30 - 140
13C12-PCB 81	75		30 - 140
13C12-PCB 104	83		30 - 140
13C12-PCB 105	87		30 - 140
13C12-PCB 114	86		30 - 140
13C12-PCB 118	88		30 - 140
13C12-PCB 123	84		30 - 140
13C12-PCB 126	77		30 - 140
13C12-PCB 155	91		30 - 140
13C12-PCB 156	84	C	30 - 140
13C12-PCB 157	84	C	30 - 140
13C12-PCB 167	83		30 - 140
13C12-PCB 169	63		30 - 140
13C12-PCB 170	89		30 - 140
13C12-PCB 188	84		30 - 140
13C12-PCB 189	79		30 - 140
13C12-PCB 202	97		30 - 140
13C12-PCB 205	86		30 - 140
13C12-PCB 206	95		30 - 140
13C12-PCB 208	100		30 - 140
13C12-PCB 209	100		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	97	40 - 125
13C12-PCB 111	101	40 - 125
13C12-PCB 178	95	40 - 125

10-31-06

Shaw E & I Inc

Sample ID: OU5A-06-0822-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 011	**Work Order #....:**	JDC602AA	**Matrix....:**	WATER
Date Sampled....:	08/22/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU5B-06-0822-A,C2,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 014	Work Order #....:	JDC632AA	Matrix....:	WATER
Date Sampled....:	08/22/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.00804	B J U	0.0400	0.000703	ng/L
PCB 2 (BZ)	0.00355	Q B J U	0.0400	0.000913	ng/L
PCB 3 (BZ)	0.00320	Q J	0.0400	0.00109	ng/L
PCB 4 (BZ)	0.0158	Q B J U	0.0600	0.00534	ng/L
PCB 5 (BZ)	0.00407	Q J	0.0400	0.00497	ng/L
PCB 6 (BZ)	0.0107	Q B J U	0.0400	0.00437	ng/L
PCB 7 (BZ)	0.00732	Q B J U	0.0400	0.00454	ng/L
PCB 8 (BZ)	0.0266	Q B J U	0.0600	0.00436	ng/L
PCB 9 (BZ)	0.00442	Q B J U	0.0400	0.00443	ng/L
PCB 10 (BZ)	0.00295	Q J	0.0400	0.00483	ng/L
PCB 11 (BZ)	0.0387	Q B J U	0.0600	0.00476	ng/L
PCB 12 (BZ)	0.00570	Q B C J U	0.0600	0.00465	ng/L
PCB 13 (BZ)	0.00570	Q B C12 J U	0.0600	0.00465	ng/L
PCB 14 (BZ)	ND		0.0400	0.00391	ng/L
PCB 15 (BZ)	0.00886	Q B J U	0.0400	0.00531	ng/L
PCB 16 (BZ)	0.0126	J	0.0400	0.00340	ng/L
PCB 17 (BZ)	0.0129	B J U	0.0400	0.00293	ng/L
PCB 18 (BZ)	0.0256	B C J U	0.0600	0.00247	ng/L
PCB 19 (BZ)	ND		0.0400	0.00326	ng/L
PCB 20 (BZ)	0.0453	B C U	0.0400	0.00200	ng/L
PCB 21 (BZ)	0.0201	B C J U	0.0400	0.00199	ng/L
PCB 22 (BZ)	0.0140	Q B J U	0.0400	0.00213	ng/L
PCB 23 (BZ)	ND		0.0400	0.00214	ng/L
PCB 24 (BZ)	ND		0.0400	0.00216	ng/L
PCB 25 (BZ)	0.00435	J	0.0400	0.00181	ng/L
PCB 26 (BZ)	0.00778	B C J U	0.0400	0.00203	ng/L
PCB 27 (BZ)	ND		0.0400	0.00203	ng/L
PCB 28 (BZ)	0.0453	B C20 U	0.0400	0.00200	ng/L
PCB 29 (BZ)	0.00778	B C26 J U	0.0400	0.00203	ng/L
PCB 30 (BZ)	0.0256	B C18 J U	0.0600	0.00247	ng/L
PCB 31 (BZ)	0.0351	B J U	0.0400	0.00200	ng/L
PCB 32 (BZ)	0.00678	Q B J U	0.0400	0.00191	ng/L
PCB 33 (BZ)	0.0201	B C21 J U	0.0400	0.00199	ng/L
PCB 34 (BZ)	ND		0.0400	0.00211	ng/L
PCB 35 (BZ)	ND		0.0400	0.00221	ng/L
PCB 36 (BZ)	ND		0.0400	0.00216	ng/L

MAW 12-31-06

Shaw E & I Inc

Sample ID: OU5B-06-0822-A,C2,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 014	Work Order #....:	JDC632AA	Matrix....:	WATER
Date Sampled....:	08/22/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.0138	J	0.0400	0.00219	ng/L
PCB 38 (BZ)	ND		0.0400	0.00208	ng/L
PCB 39 (BZ)	ND		0.0400	0.00197	ng/L
PCB 40 (BZ)	0.0161	Q B C J U	0.0400	0.00273	ng/L
PCB 41 (BZ)	0.0161	Q B C40 J U	0.0400	0.00273	ng/L
PCB 42 (BZ)	0.0114	B J	0.0400	0.00284	ng/L
PCB 43 (BZ)	ND		0.0400	0.00254	ng/L
PCB 44 (BZ)	0.0355	Q B C J U	0.0400	0.00237	ng/L
PCB 45 (BZ)	0.00692	C J	0.0400	0.00280	ng/L
PCB 46 (BZ)	ND		0.0400	0.00345	ng/L
PCB 47 (BZ)	0.0355	Q B C44 J U	0.0400	0.00237	ng/L
PCB 48 (BZ)	0.00798	B J U	0.0400	0.00281	ng/L
PCB 49 (BZ)	0.0210	B C J	0.0400	0.00221	ng/L
PCB 50 (BZ)	0.00586	B C J U	0.0400	0.00259	ng/L
PCB 51 (BZ)	0.00692	C45 J	0.0400	0.00280	ng/L
PCB 52 (BZ)	0.0363	B J	0.0400	0.00262	ng/L
PCB 53 (BZ)	0.00586	B C50 J U	0.0400	0.00259	ng/L
PCB 54 (BZ)	ND		0.0400	0.00344	ng/L
PCB 55 (BZ)	ND		0.0400	0.00209	ng/L
PCB 56 (BZ)	0.0171	J	0.0400	0.00198	ng/L
PCB 57 (BZ)	ND		0.0400	0.00198	ng/L
PCB 58 (BZ)	ND		0.0400	0.00193	ng/L
PCB 59 (BZ)	0.00354	Q C J	0.0400	0.00186	ng/L
PCB 60 (BZ)	0.00779	J	0.0400	0.00211	ng/L
PCB 61 (BZ)	0.0498	B C	0.0400	0.00186	ng/L
PCB 62 (BZ)	0.00354	Q C59 J	0.0400	0.00186	ng/L
PCB 63 (BZ)	ND		0.0400	0.00179	ng/L
PCB 64 (BZ)	0.0171	B J	0.0400	0.00177	ng/L
PCB 65 (BZ)	0.0355	Q B C44 J U	0.0400	0.00237	ng/L
PCB 66 (BZ)	0.0318	B J	0.0400	0.00190	ng/L
PCB 67 (BZ)	ND		0.0400	0.00171	ng/L
PCB 68 (BZ)	ND		0.0400	0.00184	ng/L
PCB 69 (BZ)	0.0210	B C49 J	0.0400	0.00221	ng/L
PCB 70 (BZ)	0.0498	B C61	0.0400	0.00186	ng/L
PCB 71 (BZ)	0.0161	Q B C40 J U	0.0400	0.00273	ng/L
PCB 72 (BZ)	ND		0.0400	0.00198	ng/L

10-31-06

Shaw E & I Inc

Sample ID: OU5B-06-0822-A,C2,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 014	**Work Order #....:**	JDC632AA	**Matrix....:**	WATER
Date Sampled....:	08/22/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.0400	0.00254	ng/L
PCB 74 (BZ)	**0.0498**	**B C61**	**0.0400**	**0.00186**	**ng/L**
PCB 75 (BZ)	**0.00354**	**Q C59 J**	**0.0400**	**0.00186**	**ng/L**
PCB 76 (BZ)	**0.0498**	**B C61**	**0.0400**	**0.00186**	**ng/L**
PCB 77 (BZ)	**0.00390**	**Q J**	**0.0400**	**0.00202**	**ng/L**
PCB 78 (BZ)	ND		0.0400	0.00215	ng/L
PCB 79 (BZ)	ND		0.0400	0.00164	ng/L
PCB 80 (BZ)	ND		0.0400	0.00183	ng/L
PCB 81 (BZ)	ND		0.0400	0.00190	ng/L
PCB 82 (BZ)	ND		0.0400	0.00307	ng/L
PCB 83 (BZ)	**0.0171**	**C J**	**0.0400**	**0.00262**	**ng/L**
PCB 84 (BZ)	ND		0.0400	0.00306	ng/L
PCB 85 (BZ)	**0.00580**	**C J**	**0.0400**	**0.00211**	**ng/L**
PCB 86 (BZ)	**0.0196**	**Q C J**	**0.0400**	**0.00210**	**ng/L**
PCB 87 (BZ)	**0.0196**	**Q C86 J**	**0.0400**	**0.00210**	**ng/L**
PCB 88 (BZ)	ND		0.0400	0.00264	ng/L
PCB 89 (BZ)	ND		0.0400	0.00290	ng/L
PCB 90 (BZ)	**0.0242**	**B C J** U	**0.0400**	**0.00213**	**ng/L**
PCB 91 (BZ)	ND		0.0400	0.00264	ng/L
PCB 92 (BZ)	**0.00511**	**Q J**	**0.0400**	**0.00255**	**ng/L**
PCB 93 (BZ)	ND		0.0400	0.00250	ng/L
PCB 94 (BZ)	ND		0.0400	0.00288	ng/L
PCB 95 (BZ)	**0.0216**	**B J** U	**0.0400**	**0.00255**	**ng/L**
PCB 96 (BZ)	ND		0.0400	0.00199	ng/L
PCB 97 (BZ)	**0.0196**	**Q C86 J**	**0.0400**	**0.00210**	**ng/L**
PCB 98 (BZ)	ND		0.0400	0.00246	ng/L
PCB 99 (BZ)	**0.0171**	**C83 J**	**0.0400**	**0.00262**	**ng/L**
PCB 100 (BZ)	ND		0.0400	0.00250	ng/L
PCB 101 (BZ)	**0.0242**	**B C90 J** U	**0.0400**	**0.00213**	**ng/L**
PCB 102 (BZ)	ND		0.0400	0.00246	ng/L
PCB 103 (BZ)	ND		0.0400	0.00243	ng/L
PCB 104 (BZ)	ND		0.0400	0.00180	ng/L
PCB 105 (BZ)	**0.00756**	**Q J**	**0.0400**	**0.00147**	**ng/L**
PCB 106 (BZ)	ND		0.0400	0.00172	ng/L
PCB 107 (BZ)/109 (IUPAC)	ND		0.0400	0.00163	ng/L
PCB 108 (BZ)/107 (IUPAC)	ND		0.0400	0.00166	ng/L

MAN 10-31-06

Shaw E & I Inc

Sample ID: OU5B-06-0822-A,C2,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 014	**Work Order #....:**	JDC632AA	**Matrix....:**	WATER
Date Sampled....:	08/22/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.0196**	**Q C86 J**	**0.0400**	**0.00210**	**ng/L**
PCB 110 (BZ)	**0.0265**	**B C J U**	**0.0400**	**0.00183**	**ng/L**
PCB 111 (BZ)	ND		0.0400	0.00175	ng/L
PCB 112 (BZ)	ND		0.0400	0.00188	ng/L
PCB 113 (BZ)	**0.0242**	**B C90 J U**	**0.0400**	**0.00213**	**ng/L**
PCB 114 (BZ)	ND		0.0400	0.00140	ng/L
PCB 115 (BZ)	**0.0265**	**B C110 J U**	**0.0400**	**0.00183**	**ng/L**
PCB 116 (BZ)	**0.00580**	**C85 J**	**0.0400**	**0.00211**	**ng/L**
PCB 117 (BZ)	**0.00580**	**C85 J**	**0.0400**	**0.00211**	**ng/L**
PCB 118 (BZ)	**0.0182**	**Q B J U**	**0.0400**	**0.00148**	**ng/L**
PCB 119 (BZ)	**0.0196**	**Q C86 J**	**0.0400**	**0.00210**	**ng/L**
PCB 120 (BZ)	ND		0.0400	0.00177	ng/L
PCB 121 (BZ)	ND		0.0400	0.00183	ng/L
PCB 122 (BZ)	ND		0.0400	0.00173	ng/L
PCB 123 (BZ)	ND		0.0400	0.00143	ng/L
PCB 124 (BZ)	ND		0.0400	0.00166	ng/L
PCB 125 (BZ)	**0.0196**	**Q C86 J**	**0.0400**	**0.00210**	**ng/L**
PCB 126 (BZ)	ND		0.0400	0.00177	ng/L
PCB 127 (BZ)	ND		0.0400	0.00155	ng/L
PCB 128 (BZ)	**0.00314**	**Q C J**	**0.0400**	**0.00212**	**ng/L**
PCB 129 (BZ)	**0.0160**	**Q B C J U**	**0.0400**	**0.00216**	**ng/L**
PCB 130 (BZ)	ND		0.0400	0.00287	ng/L
PCB 131 (BZ)	ND		0.0400	0.00290	ng/L
PCB 132 (BZ)	**0.00629**	**Q B J U**	**0.0400**	**0.00281**	**ng/L**
PCB 133 (BZ)	ND		0.0400	0.00256	ng/L
PCB 134 (BZ)	ND		0.0400	0.00287	ng/L
PCB 135 (BZ)	ND		0.0400	0.00309	ng/L
PCB 136 (BZ)	ND		0.0400	0.00224	ng/L
PCB 137 (BZ)	ND		0.0400	0.00211	ng/L
PCB 138 (BZ)	**0.0160**	**Q B C129 J U**	**0.0400**	**0.00216**	**ng/L**
PCB 139 (BZ)	ND		0.0400	0.00240	ng/L
PCB 140 (BZ)	ND		0.0400	0.00240	ng/L
PCB 141 (BZ)	ND		0.0400	0.00270	ng/L
PCB 142 (BZ)	ND		0.0400	0.00282	ng/L
PCB 143 (BZ)	ND		0.0400	0.00287	ng/L
PCB 144 (BZ)	ND		0.0400	0.00298	ng/L

MM 10-31-06

Shaw E & I Inc

Sample ID: OU5B-06-0822-A,C2,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 014	**Work Order #....:**	JDC632AA	**Matrix....:**	WATER
Date Sampled....:	08/22/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0400	0.00221	ng/L
PCB 146 (BZ)	**0.00492**	**J**	**0.0400**	**0.00231**	**ng/L**
PCB 147 (BZ)	**0.0167**	**B C J U**	**0.0400**	**0.00241**	**ng/L**
PCB 148 (BZ)	ND		0.0400	0.00306	ng/L
PCB 149 (BZ)	**0.0167**	**B C147 J U**	**0.0400**	**0.00241**	**ng/L**
PCB 150 (BZ)	ND		0.0400	0.00213	ng/L
PCB 151 (BZ)	ND		0.0400	0.00309	ng/L
PCB 152 (BZ)	ND		0.0400	0.00212	ng/L
PCB 153 (BZ)	**0.0163**	**B C J U**	**0.0400**	**0.00186**	**ng/L**
PCB 154 (BZ)	ND		0.0400	0.00251	ng/L
PCB 155 (BZ)	ND		0.0400	0.00200	ng/L
PCB 156 (BZ)	ND		0.0400	0.00190	ng/L
PCB 157 (BZ)	ND		0.0400	0.00190	ng/L
PCB 158 (BZ)	ND		0.0400	0.00166	ng/L
PCB 159 (BZ)	ND		0.0400	0.00181	ng/L
PCB 160 (BZ)	**0.0160**	**Q B C129 J U**	**0.0400**	**0.00216**	**ng/L**
PCB 161 (BZ)	ND		0.0400	0.00176	ng/L
PCB 162 (BZ)	ND		0.0400	0.00179	ng/L
PCB 163 (BZ)	**0.0160**	**Q B C129 J U**	**0.0400**	**0.00216**	**ng/L**
PCB 164 (BZ)	ND		0.0400	0.00211	ng/L
PCB 165 (BZ)	ND		0.0400	0.00201	ng/L
PCB 166 (BZ)	**0.00314**	**Q C128 J**	**0.0400**	**0.00212**	**ng/L**
PCB 167 (BZ)	ND		0.0400	0.00130	ng/L
PCB 168 (BZ)	**0.0163**	**B C153 J U**	**0.0400**	**0.00186**	**ng/L**
PCB 169 (BZ)	ND		0.0400	0.00195	ng/L
PCB 170 (BZ)	**0.00423**	**J**	**0.0400**	**0.00231**	**ng/L**
PCB 171 (BZ)	ND		0.0400	0.00225	ng/L
PCB 172 (BZ)	ND		0.0400	0.00224	ng/L
PCB 173 (BZ)	ND		0.0400	0.00225	ng/L
PCB 174 (BZ)	ND		0.0400	0.00204	ng/L
PCB 175 (BZ)	ND		0.0400	0.00199	ng/L
PCB 176 (BZ)	ND		0.0400	0.00147	ng/L
PCB 177 (BZ)	ND		0.0400	0.00215	ng/L
PCB 178 (BZ)	ND		0.0400	0.00214	ng/L
PCB 179 (BZ)	ND		0.0400	0.00156	ng/L
PCB 180 (BZ)	**0.00579**	**Q B C J U**	**0.0400**	**0.00167**	**ng/L**

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU5B-06-0822-A,C2,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 014	Work Order #....:	JDC632AA	Matrix....:	WATER
Date Sampled....:	08/22/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0400	0.00193	ng/L
PCB 182 (BZ)	ND		0.0400	0.00188	ng/L
PCB 183 (BZ)	ND		0.0400	0.00198	ng/L
PCB 184 (BZ)	ND		0.0400	0.00157	ng/L
PCB 185 (BZ)	ND		0.0400	0.00198	ng/L
PCB 186 (BZ)	ND		0.0400	0.00154	ng/L
PCB 187 (BZ)	**0.00490**	**J**	**0.0400**	**0.00184**	**ng/L**
PCB 188 (BZ)	ND		0.0400	0.00142	ng/L
PCB 189 (BZ)	ND		0.0400	0.00133	ng/L
PCB 190 (BZ)	ND		0.0400	0.00153	ng/L
PCB 191 (BZ)	ND		0.0400	0.00147	ng/L
PCB 192 (BZ)	ND		0.0400	0.00167	ng/L
PCB 193 (BZ)	**0.00579**	**Q B C180 J U**	**0.0400**	**0.00167**	**ng/L**
PCB 194 (BZ)	ND		0.0400	0.00192	ng/L
PCB 195 (BZ)	ND		0.0400	0.00211	ng/L
PCB 196 (BZ)	ND		0.0400	0.00236	ng/L
PCB 197 (BZ)	ND		0.0400	0.00164	ng/L
PCB 198 (BZ)	ND		0.0400	0.00237	ng/L
PCB 201 (BZ)/199 (IUPAC)	ND		0.0400	0.00237	ng/L
PCB 199 (BZ)/200 (IUPAC)	ND		0.0400	0.00164	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND		0.0400	0.00157	ng/L
PCB 202 (BZ)	ND		0.0400	0.00177	ng/L
PCB 203 (BZ)	ND		0.0400	0.00213	ng/L
PCB 204 (BZ)	ND		0.0400	0.00167	ng/L
PCB 205 (BZ)	ND		0.0400	0.00156	ng/L
PCB 206 (BZ)	ND		0.0400	0.00230	ng/L
PCB 207 (BZ)	ND		0.0400	0.00150	ng/L
PCB 208 (BZ)	ND		0.0400	0.00151	ng/L
PCB 209 (BZ)	ND		0.0400	0.00210	ng/L

MPM 10-31-06

Shaw E & I Inc

Sample ID: OU5B-06-0822-A,C2,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 014	**Work Order #....:**	JDC632AA	**Matrix....:**	WATER
Date Sampled....:	08/22/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	69		30 - 140
13C12-PCB 3	63		30 - 140
13C12-PCB 4	78		30 - 140
13C12-PCB 15	68		30 - 140
13C12-PCB 19	76		30 - 140
13C12-PCB 37	76		30 - 140
13C12-PCB 54	74		30 - 140
13C12-PCB 77	72		30 - 140
13C12-PCB 81	73		30 - 140
13C12-PCB 104	81		30 - 140
13C12-PCB 105	86		30 - 140
13C12-PCB 114	86		30 - 140
13C12-PCB 118	87		30 - 140
13C12-PCB 123	84		30 - 140
13C12-PCB 126	76		30 - 140
13C12-PCB 155	89		30 - 140
13C12-PCB 156	85	C	30 - 140
13C12-PCB 157	85	C	30 - 140
13C12-PCB 167	85		30 - 140
13C12-PCB 169	59		30 - 140
13C12-PCB 170	88		30 - 140
13C12-PCB 188	83		30 - 140
13C12-PCB 189	79		30 - 140
13C12-PCB 202	93		30 - 140
13C12-PCB 205	87		30 - 140
13C12-PCB 206	95		30 - 140
13C12-PCB 208	99		30 - 140
13C12-PCB 209	102		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	96	40 - 125
13C12-PCB 111	98	40 - 125
13C12-PCB 178	91	40 - 125

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU5B-06-0822-A,C2,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 014	**Work Order #....:**	JDC632AA	**Matrix....:**	WATER
Date Sampled....:	08/22/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

10-31-06

Shaw E & I Inc

Sample ID: OU5B-06-0822-B,C1,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 015	Work Order #....:	JDC652AA	Matrix....:	WATER
Date Sampled....:	08/22/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/05/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.0156	B J U	0.0400	0.000714	ng/L
PCB 2 (BZ)	0.00676	B J U	0.0400	0.000908	ng/L
PCB 3 (BZ)	0.00849	J	0.0400	0.00105	ng/L
PCB 4 (BZ)	0.0254	Q B J U	0.0600	0.00340	ng/L
PCB 5 (BZ)	ND		0.0400	0.00286	ng/L
PCB 6 (BZ)	0.0129	Q B J U	0.0400	0.00252	ng/L
PCB 7 (BZ)	0.00794	Q B J U	0.0400	0.00261	ng/L
PCB 8 (BZ)	0.0497	B J U	0.0600	0.00251	ng/L
PCB 9 (BZ)	0.00506	Q B J U	0.0400	0.00255	ng/L
PCB 10 (BZ)	0.00233	Q J	0.0400	0.00278	ng/L
PCB 11 (BZ)	0.0546	B J	0.0600	0.00274	ng/L
PCB 12 (BZ)	0.00974	Q B C J	0.0600	0.00268	ng/L
PCB 13 (BZ)	0.00974	Q B C12 J	0.0600	0.00268	ng/L
PCB 14 (BZ)	ND		0.0400	0.00225	ng/L
PCB 15 (BZ)	0.0184	Q B J U	0.0400	0.00279	ng/L
PCB 16 (BZ)	0.0208	J	0.0400	0.00208	ng/L
PCB 17 (BZ)	0.0251	B J U	0.0400	0.00179	ng/L
PCB 18 (BZ)	0.0468	B C J U	0.0600	0.00151	ng/L
PCB 19 (BZ)	0.00678	J	0.0400	0.00200	ng/L
PCB 20 (BZ)	0.0719	B C	0.0400	0.00118	ng/L
PCB 21 (BZ)	0.0373	B C J	0.0400	0.00117	ng/L
PCB 22 (BZ)	0.0279	B J	0.0400	0.00126	ng/L
PCB 23 (BZ)	ND		0.0400	0.00126	ng/L
PCB 24 (BZ)	0.00145	Q J	0.0400	0.00133	ng/L
PCB 25 (BZ)	0.00528	J	0.0400	0.00107	ng/L
PCB 26 (BZ)	0.0127	B C J	0.0400	0.00120	ng/L
PCB 27 (BZ)	0.00497	J	0.0400	0.00124	ng/L
PCB 28 (BZ)	0.0719	B C20	0.0400	0.00118	ng/L
PCB 29 (BZ)	0.0127	B C26 J	0.0400	0.00120	ng/L
PCB 30 (BZ)	0.0468	B C18 J	0.0600	0.00151	ng/L
PCB 31 (BZ)	0.0562	B	0.0400	0.00118	ng/L
PCB 32 (BZ)	0.0141	B J U	0.0400	0.00117	ng/L
PCB 33 (BZ)	0.0373	B C21 J	0.0400	0.00117	ng/L
PCB 34 (BZ)	ND		0.0400	0.00124	ng/L
PCB 35 (BZ)	ND		0.0400	0.00130	ng/L
PCB 36 (BZ)	ND		0.0400	0.00127	ng/L

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU5B-06-0822-B,C1,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 015	**Work Order #....:**	JDC652AA	**Matrix....:**	WATER
Date Sampled....:	08/22/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/05/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.0168	J	0.0400	0.00129	ng/L
PCB 38 (BZ)	ND		0.0400	0.00123	ng/L
PCB 39 (BZ)	ND		0.0400	0.00116	ng/L
PCB 40 (BZ)	0.0235	Q B C J	0.0400	0.00185	ng/L
PCB 41 (BZ)	0.0235	Q B C40 J	0.0400	0.00185	ng/L
PCB 42 (BZ)	0.0160	B J	0.0400	0.00193	ng/L
PCB 43 (BZ)	ND		0.0400	0.00173	ng/L
PCB 44 (BZ)	0.0596	B C	0.0400	0.00161	ng/L
PCB 45 (BZ)	0.00980	Q C J	0.0400	0.00190	ng/L
PCB 46 (BZ)	ND		0.0400	0.00235	ng/L
PCB 47 (BZ)	0.0596	B C44	0.0400	0.00161	ng/L
PCB 48 (BZ)	0.0130	B J	0.0400	0.00191	ng/L
PCB 49 (BZ)	0.0327	B C J	0.0400	0.00150	ng/L
PCB 50 (BZ)	0.00667	Q B C J U	0.0400	0.00176	ng/L
PCB 51 (BZ)	0.00980	Q C45 J	0.0400	0.00190	ng/L
PCB 52 (BZ)	0.0545	B	0.0400	0.00178	ng/L
PCB 53 (BZ)	0.00667	Q B C50 J U	0.0400	0.00176	ng/L
PCB 54 (BZ)	ND		0.0400	0.00169	ng/L
PCB 55 (BZ)	ND		0.0400	0.00142	ng/L
PCB 56 (BZ)	0.0210	J	0.0400	0.00134	ng/L
PCB 57 (BZ)	ND		0.0400	0.00134	ng/L
PCB 58 (BZ)	ND		0.0400	0.00131	ng/L
PCB 59 (BZ)	0.00654	Q C J	0.0400	0.00126	ng/L
PCB 60 (BZ)	0.0105	Q J	0.0400	0.00143	ng/L
PCB 61 (BZ)	0.0676	B C	0.0400	0.00126	ng/L
PCB 62 (BZ)	0.00654	Q C59 J	0.0400	0.00126	ng/L
PCB 63 (BZ)	0.00181	Q J	0.0400	0.00121	ng/L
PCB 64 (BZ)	0.0218	B J	0.0400	0.00121	ng/L
PCB 65 (BZ)	0.0596	B C44	0.0400	0.00161	ng/L
PCB 66 (BZ)	0.0447	B	0.0400	0.00129	ng/L
PCB 67 (BZ)	0.00185	Q J	0.0400	0.00116	ng/L
PCB 68 (BZ)	0.00270	Q J	0.0400	0.00125	ng/L
PCB 69 (BZ)	0.0327	B C49 J	0.0400	0.00150	ng/L
PCB 70 (BZ)	0.0676	B C61	0.0400	0.00126	ng/L
PCB 71 (BZ)	0.0235	Q B C40 J	0.0400	0.00185	ng/L
PCB 72 (BZ)	ND		0.0400	0.00134	ng/L

MM 10-31-06

Shaw E & I Inc

Sample ID: OU5B-06-0822-B,C1,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 015	**Work Order #....:**	JDC652AA	**Matrix....:**	WATER
Date Sampled....:	08/22/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/05/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.0400	0.00173	ng/L
PCB 74 (BZ)	**0.0676**	**B C61**	**0.0400**	**0.00126**	**ng/L**
PCB 75 (BZ)	**0.00654**	**Q C59 J**	**0.0400**	**0.00126**	**ng/L**
PCB 76 (BZ)	**0.0676**	**B C61**	**0.0400**	**0.00126**	**ng/L**
PCB 77 (BZ)	**0.00313**	**Q J**	**0.0400**	**0.00136**	**ng/L**
PCB 78 (BZ)	ND		0.0400	0.00146	ng/L
PCB 79 (BZ)	ND		0.0400	0.00112	ng/L
PCB 80 (BZ)	ND		0.0400	0.00124	ng/L
PCB 81 (BZ)	ND		0.0400	0.00130	ng/L
PCB 82 (BZ)	ND		0.0400	0.00218	ng/L
PCB 83 (BZ)	**0.0216**	**Q C J**	**0.0400**	**0.00186**	**ng/L**
PCB 84 (BZ)	**0.0134**	**J**	**0.0400**	**0.00217**	**ng/L**
PCB 85 (BZ)	**0.00923**	**C J**	**0.0400**	**0.00150**	**ng/L**
PCB 86 (BZ)	**0.0244**	**Q C J**	**0.0400**	**0.00149**	**ng/L**
PCB 87 (BZ)	**0.0244**	**Q C86 J**	**0.0400**	**0.00149**	**ng/L**
PCB 88 (BZ)	**0.00542**	**Q C J**	**0.0400**	**0.00187**	**ng/L**
PCB 89 (BZ)	ND		0.0400	0.00206	ng/L
PCB 90 (BZ)	**0.0381**	**B C J**	**0.0400**	**0.00151**	**ng/L**
PCB 91 (BZ)	**0.00542**	**Q C88 J**	**0.0400**	**0.00187**	**ng/L**
PCB 92 (BZ)	**0.00785**	**J**	**0.0400**	**0.00181**	**ng/L**
PCB 93 (BZ)	ND		0.0400	0.00177	ng/L
PCB 94 (BZ)	ND		0.0400	0.00205	ng/L
PCB 95 (BZ)	**0.0316**	**B J**	**0.0400**	**0.00181**	**ng/L**
PCB 96 (BZ)	ND		0.0400	0.00141	ng/L
PCB 97 (BZ)	**0.0244**	**Q C86 J**	**0.0400**	**0.00149**	**ng/L**
PCB 98 (BZ)	ND		0.0400	0.00175	ng/L
PCB 99 (BZ)	**0.0216**	**Q C83 J**	**0.0400**	**0.00186**	**ng/L**
PCB 100 (BZ)	ND		0.0400	0.00177	ng/L
PCB 101 (BZ)	**0.0381**	**B C90 J**	**0.0400**	**0.00151**	**ng/L**
PCB 102 (BZ)	ND		0.0400	0.00175	ng/L
PCB 103 (BZ)	ND		0.0400	0.00172	ng/L
PCB 104 (BZ)	ND		0.0400	0.00128	ng/L
PCB 105 (BZ)	**0.0116**	**J**	**0.0400**	**0.00117**	**ng/L**
PCB 106 (BZ)	ND		0.0400	0.00142	ng/L
PCB 107 (BZ)/109 (IUPAC)	**0.00325**	**Q J**	**0.0400**	**0.00135**	**ng/L**
PCB 108 (BZ)/107 (IUPAC)	ND		0.0400	0.00138	ng/L

MAN 10-31-06

Shaw E & I Inc

Sample ID: OU5B-06-0822-B,C1,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 015	Work Order #....:	JDC652AA	Matrix....:	WATER
Date Sampled....:	08/22/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/05/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.0244**	**Q C86 J**	**0.0400**	**0.00149**	**ng/L**
PCB 110 (BZ)	**0.0393**	**B C J**	**0.0400**	**0.00130**	**ng/L**
PCB 111 (BZ)	ND		0.0400	0.00124	ng/L
PCB 112 (BZ)	ND		0.0400	0.00133	ng/L
PCB 113 (BZ)	**0.0381**	**B C90 J**	**0.0400**	**0.00151**	**ng/L**
PCB 114 (BZ)	ND		0.0400	0.00111	ng/L
PCB 115 (BZ)	**0.0393**	**B C110 J**	**0.0400**	**0.00130**	**ng/L**
PCB 116 (BZ)	**0.00923**	**C85 J**	**0.0400**	**0.00150**	**ng/L**
PCB 117 (BZ)	**0.00923**	**C85 J**	**0.0400**	**0.00150**	**ng/L**
PCB 118 (BZ)	**0.0256**	**B J**	**0.0400**	**0.00116**	**ng/L**
PCB 119 (BZ)	**0.0244**	**Q C86 J**	**0.0400**	**0.00149**	**ng/L**
PCB 120 (BZ)	ND		0.0400	0.00126	ng/L
PCB 121 (BZ)	ND		0.0400	0.00130	ng/L
PCB 122 (BZ)	ND		0.0400	0.00143	ng/L
PCB 123 (BZ)	ND		0.0400	0.00113	ng/L
PCB 124 (BZ)	ND		0.0400	0.00138	ng/L
PCB 125 (BZ)	**0.0244**	**Q C86 J**	**0.0400**	**0.00149**	**ng/L**
PCB 126 (BZ)	ND		0.0400	0.00193	ng/L
PCB 127 (BZ)	ND		0.0400	0.00129	ng/L
PCB 128 (BZ)	**0.00434**	**C J**	**0.0400**	**0.00175**	**ng/L**
PCB 129 (BZ)	**0.0284**	**B C J**	**0.0400**	**0.00179**	**ng/L**
PCB 130 (BZ)	ND		0.0400	0.00238	ng/L
PCB 131 (BZ)	ND		0.0400	0.00240	ng/L
PCB 132 (BZ)	**0.0129**	**B J**	**0.0400**	**0.00233**	**ng/L**
PCB 133 (BZ)	ND		0.0400	0.00212	ng/L
PCB 134 (BZ)	ND		0.0400	0.00238	ng/L
PCB 135 (BZ)	**0.00970**	**Q C J**	**0.0400**	**0.00185**	**ng/L**
PCB 136 (BZ)	**0.00462**	**Q B J U**	**0.0400**	**0.00135**	**ng/L**
PCB 137 (BZ)	ND		0.0400	0.00175	ng/L
PCB 138 (BZ)	**0.0284**	**B C129 J**	**0.0400**	**0.00179**	**ng/L**
PCB 139 (BZ)	ND		0.0400	0.00199	ng/L
PCB 140 (BZ)	ND		0.0400	0.00199	ng/L
PCB 141 (BZ)	**0.00581**	**B J U**	**0.0400**	**0.00224**	**ng/L**
PCB 142 (BZ)	ND		0.0400	0.00234	ng/L
PCB 143 (BZ)	ND		0.0400	0.00238	ng/L
PCB 144 (BZ)	ND		0.0400	0.00179	ng/L

MM 10-31-06

Shaw E & I Inc

Sample ID: OU5B-06-0822-B,C1,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 015	**Work Order #....:**	JDC652AA	**Matrix....:**	WATER
Date Sampled....:	08/22/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/05/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0400	0.00133	ng/L
PCB 146 (BZ)	**0.00438**	**Q J**	**0.0400**	**0.00191**	**ng/L**
PCB 147 (BZ)	**0.0262**	**B C J**	**0.0400**	**0.00200**	**ng/L**
PCB 148 (BZ)	ND		0.0400	0.00184	ng/L
PCB 149 (BZ)	**0.0262**	**B C147 J**	**0.0400**	**0.00200**	**ng/L**
PCB 150 (BZ)	ND		0.0400	0.00128	ng/L
PCB 151 (BZ)	**0.00970**	**Q C135 J**	**0.0400**	**0.00185**	**ng/L**
PCB 152 (BZ)	ND		0.0400	0.00127	ng/L
PCB 153 (BZ)	**0.0250**	**B C J**	**0.0400**	**0.00154**	**ng/L**
PCB 154 (BZ)	ND		0.0400	0.00151	ng/L
PCB 155 (BZ)	ND		0.0400	0.00120	ng/L
PCB 156 (BZ)	ND		0.0400	0.00153	ng/L
PCB 157 (BZ)	ND		0.0400	0.00153	ng/L
PCB 158 (BZ)	**0.00273**	**Q J**	**0.0400**	**0.00138**	**ng/L**
PCB 159 (BZ)	ND		0.0400	0.00150	ng/L
PCB 160 (BZ)	**0.0284**	**B C129 J**	**0.0400**	**0.00179**	**ng/L**
PCB 161 (BZ)	ND		0.0400	0.00146	ng/L
PCB 162 (BZ)	ND		0.0400	0.00149	ng/L
PCB 163 (BZ)	**0.0284**	**B C129 J**	**0.0400**	**0.00179**	**ng/L**
PCB 164 (BZ)	ND		0.0400	0.00175	ng/L
PCB 165 (BZ)	ND		0.0400	0.00167	ng/L
PCB 166 (BZ)	**0.00434**	**C128 J**	**0.0400**	**0.00175**	**ng/L**
PCB 167 (BZ)	ND		0.0400	0.00107	ng/L
PCB 168 (BZ)	**0.0250**	**B C153 J**	**0.0400**	**0.00154**	**ng/L**
PCB 169 (BZ)	ND		0.0400	0.00177	ng/L
PCB 170 (BZ)	**0.00503**	**Q J**	**0.0400**	**0.00165**	**ng/L**
PCB 171 (BZ)	ND		0.0400	0.00162	ng/L
PCB 172 (BZ)	ND		0.0400	0.00162	ng/L
PCB 173 (BZ)	ND		0.0400	0.00162	ng/L
PCB 174 (BZ)	ND		0.0400	0.00148	ng/L
PCB 175 (BZ)	ND		0.0400	0.00144	ng/L
PCB 176 (BZ)	ND		0.0400	0.00106	ng/L
PCB 177 (BZ)	ND		0.0400	0.00155	ng/L
PCB 178 (BZ)	ND		0.0400	0.00155	ng/L
PCB 179 (BZ)	**0.00210**	**Q J**	**0.0400**	**0.00113**	**ng/L**
PCB 180 (BZ)	**0.00944**	**B C J**	**0.0400**	**0.00121**	**ng/L**

10-31-06

Shaw E & I Inc

Sample ID: OU5B-06-0822-B,C1,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 015	**Work Order #....:**	JDC652AA	**Matrix....:**	WATER
Date Sampled....:	08/22/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/05/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0400	0.00140	ng/L
PCB 182 (BZ)	ND		0.0400	0.00136	ng/L
PCB 183 (BZ)	**0.00340**	**Q C J**	**0.0400**	**0.00143**	**ng/L**
PCB 184 (BZ)	ND		0.0400	0.00114	ng/L
PCB 185 (BZ)	**0.00340**	**Q C183 J**	**0.0400**	**0.00143**	**ng/L**
PCB 186 (BZ)	ND		0.0400	0.00112	ng/L
PCB 187 (BZ)	**0.00718**	**J**	**0.0400**	**0.00133**	**ng/L**
PCB 188 (BZ)	ND		0.0400	0.00103	ng/L
PCB 189 (BZ)	ND		0.0400	0.00106	ng/L
PCB 190 (BZ)	ND		0.0400	0.00111	ng/L
PCB 191 (BZ)	ND		0.0400	0.00106	ng/L
PCB 192 (BZ)	ND		0.0400	0.00121	ng/L
PCB 193 (BZ)	**0.00944**	**B C180 J**	**0.0400**	**0.00121**	**ng/L**
PCB 194 (BZ)	ND		0.0400	0.00130	ng/L
PCB 195 (BZ)	ND		0.0400	0.00142	ng/L
PCB 196 (BZ)	ND		0.0400	0.00148	ng/L
PCB 197 (BZ)	ND		0.0400	0.00103	ng/L
PCB 198 (BZ)	**0.00235**	**Q C J**	**0.0400**	**0.00149**	**ng/L**
PCB 201 (BZ)/199 (IUPAC)	**0.00235**	**Q C198 J**	**0.0400**	**0.00149**	**ng/L**
PCB 199 (BZ)/200 (IUPAC)	ND		0.0400	0.00103	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND		0.0400	0.000988	ng/L
PCB 202 (BZ)	ND		0.0400	0.00112	ng/L
PCB 203 (BZ)	ND		0.0400	0.00134	ng/L
PCB 204 (BZ)	ND		0.0400	0.00105	ng/L
PCB 205 (BZ)	ND		0.0400	0.00105	ng/L
PCB 206 (BZ)	ND		0.0400	0.00157	ng/L
PCB 207 (BZ)	ND		0.0400	0.00108	ng/L
PCB 208 (BZ)	ND		0.0400	0.00112	ng/L
PCB 209 (BZ)	ND		0.0400	0.00154	ng/L

MAN 10-31-06

Shaw E & I Inc

Sample ID: OU5B-06-0822-B,C1,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 015	**Work Order #....:**	JDC652AA	**Matrix....:**	WATER
Date Sampled....:	08/22/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/05/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	56		30 - 140
13C12-PCB 3	53		30 - 140
13C12-PCB 4	78		30 - 140
13C12-PCB 15	79		30 - 140
13C12-PCB 19	77		30 - 140
13C12-PCB 37	90		30 - 140
13C12-PCB 54	97		30 - 140
13C12-PCB 77	80		30 - 140
13C12-PCB 81	81		30 - 140
13C12-PCB 104	82		30 - 140
13C12-PCB 105	97		30 - 140
13C12-PCB 114	94		30 - 140
13C12-PCB 118	98		30 - 140
13C12-PCB 123	92		30 - 140
13C12-PCB 126	68		30 - 140
13C12-PCB 155	104		30 - 140
13C12-PCB 156	89	C	30 - 140
13C12-PCB 157	89	C	30 - 140
13C12-PCB 167	89		30 - 140
13C12-PCB 169	57		30 - 140
13C12-PCB 170	92		30 - 140
13C12-PCB 188	85		30 - 140
13C12-PCB 189	79		30 - 140
13C12-PCB 202	104		30 - 140
13C12-PCB 205	90		30 - 140
13C12-PCB 206	105		30 - 140
13C12-PCB 208	101		30 - 140
13C12-PCB 209	114		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	95	40 - 125
13C12-PCB 111	97	40 - 125
13C12-PCB 178	92	40 - 125

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU5B-06-0822-B,C1,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 015	**Work Order #....:**	JDC652AA	**Matrix....:**	WATER
Date Sampled....:	08/22/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/05/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

MAN 10-31-06

Shaw E & I Inc

Sample ID: OU5C-06-0821-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 012	**Work Order #....:**	JDC612AA	**Matrix....:**	WATER
Date Sampled....:	08/21/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	**0.00537**	**B J U**	**0.0400**	**0.000793**	**ng/L**
PCB 2 (BZ)	ND		0.0400	0.00103	ng/L
PCB 3 (BZ)	ND		0.0400	0.00122	ng/L
PCB 4 (BZ)	**0.0136**	**Q B J U**	**0.0600**	**0.00647**	**ng/L**
PCB 5 (BZ)	ND		0.0400	0.00609	ng/L
PCB 6 (BZ)	**0.00555**	**Q B J U**	**0.0400**	**0.00536**	**ng/L**
PCB 7 (BZ)	**0.00430**	**Q B J U**	**0.0400**	**0.00557**	**ng/L**
PCB 8 (BZ)	**0.0165**	**Q B J U**	**0.0600**	**0.00534**	**ng/L**
PCB 9 (BZ)	ND		0.0400	0.00544	ng/L
PCB 10 (BZ)	ND		0.0400	0.00593	ng/L
PCB 11 (BZ)	**0.0282**	**Q B J U**	**0.0600**	**0.00584**	**ng/L**
PCB 12 (BZ)	ND		0.0600	0.00571	ng/L
PCB 13 (BZ)	ND		0.0600	0.00571	ng/L
PCB 14 (BZ)	ND		0.0400	0.00479	ng/L
PCB 15 (BZ)	**0.00905**	**Q B J U**	**0.0400**	**0.00660**	**ng/L**
PCB 16 (BZ)	**0.00834**	**Q J**	**0.0400**	**0.00387**	**ng/L**
PCB 17 (BZ)	**0.00938**	**Q B J U**	**0.0400**	**0.00334**	**ng/L**
PCB 18 (BZ)	**0.0190**	**B C J U**	**0.0600**	**0.00281**	**ng/L**
PCB 19 (BZ)	ND		0.0400	0.00371	ng/L
PCB 20 (BZ)	**0.0329**	**B C J U**	**0.0400**	**0.00222**	**ng/L**
PCB 21 (BZ)	**0.0137**	**Q B C J U**	**0.0400**	**0.00221**	**ng/L**
PCB 22 (BZ)	**0.0107**	**Q B J U**	**0.0400**	**0.00236**	**ng/L**
PCB 23 (BZ)	ND		0.0400	0.00237	ng/L
PCB 24 (BZ)	ND		0.0400	0.00247	ng/L
PCB 25 (BZ)	**0.00320**	**J**	**0.0400**	**0.00201**	**ng/L**
PCB 26 (BZ)	**0.00529**	**B C J U**	**0.0400**	**0.00225**	**ng/L**
PCB 27 (BZ)	ND		0.0400	0.00231	ng/L
PCB 28 (BZ)	**0.0329**	**B C20 J U**	**0.0400**	**0.00222**	**ng/L**
PCB 29 (BZ)	**0.00529**	**B C26 J U**	**0.0400**	**0.00225**	**ng/L**
PCB 30 (BZ)	**0.0190**	**B C18 J U**	**0.0600**	**0.00281**	**ng/L**
PCB 31 (BZ)	**0.0269**	**B J U**	**0.0400**	**0.00222**	**ng/L**
PCB 32 (BZ)	**0.00519**	**Q B J U**	**0.0400**	**0.00218**	**ng/L**
PCB 33 (BZ)	**0.0137**	**Q B C21 J U**	**0.0400**	**0.00221**	**ng/L**
PCB 34 (BZ)	ND		0.0400	0.00234	ng/L
PCB 35 (BZ)	ND		0.0400	0.00245	ng/L
PCB 36 (BZ)	ND		0.0400	0.00240	ng/L

10/31/06

Shaw E & I Inc

Sample ID: OU5C-06-0821-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 012	**Work Order #....:**	JDC612AA	**Matrix....:**	WATER
Date Sampled....:	08/21/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	**0.0100**	**J**	**0.0400**	**0.00244**	**ng/L**
PCB 38 (BZ)	ND		0.0400	0.00231	ng/L
PCB 39 (BZ)	ND		0.0400	0.00219	ng/L
PCB 40 (BZ)	ND		0.0400	0.00335	ng/L
PCB 41 (BZ)	ND		0.0400	0.00335	ng/L
PCB 42 (BZ)	**0.00833**	**Q B J U**	**0.0400**	**0.00348**	**ng/L**
PCB 43 (BZ)	ND		0.0400	0.00311	ng/L
PCB 44 (BZ)	**0.0307**	**B C J U**	**0.0400**	**0.00290**	**ng/L**
PCB 45 (BZ)	**0.00711**	**C J**	**0.0400**	**0.00343**	**ng/L**
PCB 46 (BZ)	ND		0.0400	0.00423	ng/L
PCB 47 (BZ)	**0.0307**	**B C44 J U**	**0.0400**	**0.00290**	**ng/L**
PCB 48 (BZ)	**0.00714**	**B J U**	**0.0400**	**0.00345**	**ng/L**
PCB 49 (BZ)	**0.0160**	**B C J U**	**0.0400**	**0.00270**	**ng/L**
PCB 50 (BZ)	ND		0.0400	0.00317	ng/L
PCB 51 (BZ)	**0.00711**	**C45 J**	**0.0400**	**0.00343**	**ng/L**
PCB 52 (BZ)	**0.0307**	**B J U**	**0.0400**	**0.00321**	**ng/L**
PCB 53 (BZ)	ND		0.0400	0.00317	ng/L
PCB 54 (BZ)	ND		0.0400	0.00392	ng/L
PCB 55 (BZ)	ND		0.0400	0.00257	ng/L
PCB 56 (BZ)	**0.0131**	**J**	**0.0400**	**0.00243**	**ng/L**
PCB 57 (BZ)	ND		0.0400	0.00242	ng/L
PCB 58 (BZ)	ND		0.0400	0.00236	ng/L
PCB 59 (BZ)	ND		0.0400	0.00228	ng/L
PCB 60 (BZ)	**0.00761**	**J**	**0.0400**	**0.00259**	**ng/L**
PCB 61 (BZ)	**0.0398**	**B C J**	**0.0400**	**0.00228**	**ng/L**
PCB 62 (BZ)	ND		0.0400	0.00228	ng/L
PCB 63 (BZ)	ND		0.0400	0.00219	ng/L
PCB 64 (BZ)	ND		0.0400	0.00218	ng/L
PCB 65 (BZ)	**0.0307**	**B C44 J U**	**0.0400**	**0.00290**	**ng/L**
PCB 66 (BZ)	**0.0228**	**B J**	**0.0400**	**0.00233**	**ng/L**
PCB 67 (BZ)	ND		0.0400	0.00209	ng/L
PCB 68 (BZ)	ND		0.0400	0.00225	ng/L
PCB 69 (BZ)	**0.0160**	**B C49 J U**	**0.0400**	**0.00270**	**ng/L**
PCB 70 (BZ)	**0.0398**	**B C61 J**	**0.0400**	**0.00228**	**ng/L**
PCB 71 (BZ)	ND		0.0400	0.00335	ng/L
PCB 72 (BZ)	ND		0.0400	0.00242	ng/L

MAM 10-31-06

Shaw E & I Inc

Sample ID: OU5C-06-0821-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 012	**Work Order #....:**	JDC612AA	**Matrix....:**	WATER
Date Sampled....:	08/21/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.0400	0.00311	ng/L
PCB 74 (BZ)	**0.0398**	**B C61 J**	**0.0400**	**0.00228**	**ng/L**
PCB 75 (BZ)	ND		0.0400	0.00228	ng/L
PCB 76 (BZ)	**0.0398**	**B C61 J**	**0.0400**	**0.00228**	**ng/L**
PCB 77 (BZ)	ND		0.0400	0.00249	ng/L
PCB 78 (BZ)	ND		0.0400	0.00263	ng/L
PCB 79 (BZ)	ND		0.0400	0.00201	ng/L
PCB 80 (BZ)	ND		0.0400	0.00224	ng/L
PCB 81 (BZ)	ND		0.0400	0.00231	ng/L
PCB 82 (BZ)	**0.00662**	**Q J**	**0.0400**	**0.00402**	**ng/L**
PCB 83 (BZ)	**0.0246**	**C J**	**0.0400**	**0.00342**	**ng/L**
PCB 84 (BZ)	**0.0117**	**Q J**	**0.0400**	**0.00400**	**ng/L**
PCB 85 (BZ)	**0.00658**	**C J**	**0.0400**	**0.00276**	**ng/L**
PCB 86 (BZ)	**0.0279**	**Q C J**	**0.0400**	**0.00275**	**ng/L**
PCB 87 (BZ)	**0.0279**	**Q C86 J**	**0.0400**	**0.00275**	**ng/L**
PCB 88 (BZ)	**0.00768**	**C J**	**0.0400**	**0.00345**	**ng/L**
PCB 89 (BZ)	ND		0.0400	0.00380	ng/L
PCB 90 (BZ)	**0.0374**	**B C J**	**0.0400**	**0.00279**	**ng/L**
PCB 91 (BZ)	**0.00768**	**C88 J**	**0.0400**	**0.00345**	**ng/L**
PCB 92 (BZ)	**0.00669**	**Q J**	**0.0400**	**0.00333**	**ng/L**
PCB 93 (BZ)	ND		0.0400	0.00326	ng/L
PCB 94 (BZ)	ND		0.0400	0.00377	ng/L
PCB 95 (BZ)	**0.0270**	**Q B J** U	**0.0400**	**0.00334**	**ng/L**
PCB 96 (BZ)	ND		0.0400	0.00261	ng/L
PCB 97 (BZ)	**0.0279**	**Q C86 J**	**0.0400**	**0.00275**	**ng/L**
PCB 98 (BZ)	ND		0.0400	0.00322	ng/L
PCB 99 (BZ)	**0.0246**	**C83 J**	**0.0400**	**0.00342**	**ng/L**
PCB 100 (BZ)	ND		0.0400	0.00326	ng/L
PCB 101 (BZ)	**0.0374**	**B C90 J**	**0.0400**	**0.00279**	**ng/L**
PCB 102 (BZ)	ND		0.0400	0.00322	ng/L
PCB 103 (BZ)	ND		0.0400	0.00318	ng/L
PCB 104 (BZ)	ND		0.0400	0.00236	ng/L
PCB 105 (BZ)	**0.00936**	**J**	**0.0400**	**0.00193**	**ng/L**
PCB 106 (BZ)	ND		0.0400	0.00227	ng/L
PCB 107 (BZ)/109 (IUPAC)	ND		0.0400	0.00216	ng/L
PCB 108 (BZ)/107 (IUPAC)	ND		0.0400	0.00220	ng/L

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU5C-06-0821-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 012	**Work Order #....:**	JDC612AA	**Matrix....:**	WATER
Date Sampled....:	08/21/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.0279**	**Q C86 J**	**0.0400**	**0.00275**	**ng/L**
PCB 110 (BZ)	**0.0474**	**B C**	**0.0400**	**0.00239**	**ng/L**
PCB 111 (BZ)	ND		0.0400	0.00228	ng/L
PCB 112 (BZ)	ND		0.0400	0.00246	ng/L
PCB 113 (BZ)	**0.0374**	**B C90 J**	**0.0400**	**0.00279**	**ng/L**
PCB 114 (BZ)	ND		0.0400	0.00182	ng/L
PCB 115 (BZ)	**0.0474**	**B C110**	**0.0400**	**0.00239**	**ng/L**
PCB 116 (BZ)	**0.00658**	**C85 J**	**0.0400**	**0.00276**	**ng/L**
PCB 117 (BZ)	**0.00658**	**C85 J**	**0.0400**	**0.00276**	**ng/L**
PCB 118 (BZ)	**0.0170**	**Q B J** U	**0.0400**	**0.00194**	**ng/L**
PCB 119 (BZ)	**0.0279**	**Q C86 J**	**0.0400**	**0.00275**	**ng/L**
PCB 120 (BZ)	ND		0.0400	0.00232	ng/L
PCB 121 (BZ)	ND		0.0400	0.00239	ng/L
PCB 122 (BZ)	ND		0.0400	0.00229	ng/L
PCB 123 (BZ)	ND		0.0400	0.00197	ng/L
PCB 124 (BZ)	ND		0.0400	0.00220	ng/L
PCB 125 (BZ)	**0.0279**	**Q C86 J**	**0.0400**	**0.00275**	**ng/L**
PCB 126 (BZ)	ND		0.0400	0.00235	ng/L
PCB 127 (BZ)	ND		0.0400	0.00205	ng/L
PCB 128 (BZ)	**0.00425**	**C J**	**0.0400**	**0.00277**	**ng/L**
PCB 129 (BZ)	**0.0244**	**Q B C J**	**0.0400**	**0.00283**	**ng/L**
PCB 130 (BZ)	ND		0.0400	0.00375	ng/L
PCB 131 (BZ)	ND		0.0400	0.00380	ng/L
PCB 132 (BZ)	**0.0117**	**B J**	**0.0400**	**0.00368**	**ng/L**
PCB 133 (BZ)	ND		0.0400	0.00335	ng/L
PCB 134 (BZ)	ND		0.0400	0.00375	ng/L
PCB 135 (BZ)	**0.00811**	**Q C J**	**0.0400**	**0.00417**	**ng/L**
PCB 136 (BZ)	**0.00638**	**Q B J**	**0.0400**	**0.00302**	**ng/L**
PCB 137 (BZ)	ND		0.0400	0.00276	ng/L
PCB 138 (BZ)	**0.0244**	**Q B C129 J**	**0.0400**	**0.00283**	**ng/L**
PCB 139 (BZ)	ND		0.0400	0.00315	ng/L
PCB 140 (BZ)	ND		0.0400	0.00315	ng/L
PCB 141 (BZ)	**0.00536**	**B J** U	**0.0400**	**0.00353**	**ng/L**
PCB 142 (BZ)	ND		0.0400	0.00370	ng/L
PCB 143 (BZ)	ND		0.0400	0.00375	ng/L
PCB 144 (BZ)	ND		0.0400	0.00403	ng/L

10-31-06

Shaw E & I Inc

Sample ID: OU5C-06-0821-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 012	**Work Order #....:**	JDC612AA	**Matrix....:**	WATER
Date Sampled....:	08/21/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0400	0.00299	ng/L
PCB 146 (BZ)	ND		0.0400	0.00302	ng/L
PCB 147 (BZ)	**0.0288**	**B C J**	**0.0400**	**0.00316**	**ng/L**
PCB 148 (BZ)	ND		0.0400	0.00413	ng/L
PCB 149 (BZ)	**0.0288**	**B C147 J**	**0.0400**	**0.00316**	**ng/L**
PCB 150 (BZ)	ND		0.0400	0.00288	ng/L
PCB 151 (BZ)	**0.00811**	**Q C135 J**	**0.0400**	**0.00417**	**ng/L**
PCB 152 (BZ)	ND		0.0400	0.00286	ng/L
PCB 153 (BZ)	**0.0200**	**B C J** U	**0.0400**	**0.00244**	**ng/L**
PCB 154 (BZ)	ND		0.0400	0.00339	ng/L
PCB 155 (BZ)	ND		0.0400	0.00270	ng/L
PCB 156 (BZ)	ND		0.0400	0.00242	ng/L
PCB 157 (BZ)	ND		0.0400	0.00242	ng/L
PCB 158 (BZ)	**0.00332**	**J**	**0.0400**	**0.00218**	**ng/L**
PCB 159 (BZ)	ND		0.0400	0.00237	ng/L
PCB 160 (BZ)	**0.0244**	**Q B C129 J**	**0.0400**	**0.00283**	**ng/L**
PCB 161 (BZ)	ND		0.0400	0.00231	ng/L
PCB 162 (BZ)	ND		0.0400	0.00235	ng/L
PCB 163 (BZ)	**0.0244**	**Q B C129 J**	**0.0400**	**0.00283**	**ng/L**
PCB 164 (BZ)	ND		0.0400	0.00276	ng/L
PCB 165 (BZ)	ND		0.0400	0.00263	ng/L
PCB 166 (BZ)	**0.00425**	**C128 J**	**0.0400**	**0.00277**	**ng/L**
PCB 167 (BZ)	ND		0.0400	0.00179	ng/L
PCB 168 (BZ)	**0.0200**	**B C153 J** U	**0.0400**	**0.00244**	**ng/L**
PCB 169 (BZ)	ND		0.0400	0.00251	ng/L
PCB 170 (BZ)	**0.00324**	**Q J**	**0.0400**	**0.00299**	**ng/L**
PCB 171 (BZ)	ND		0.0400	0.00296	ng/L
PCB 172 (BZ)	ND		0.0400	0.00296	ng/L
PCB 173 (BZ)	ND		0.0400	0.00296	ng/L
PCB 174 (BZ)	ND		0.0400	0.00269	ng/L
PCB 175 (BZ)	ND		0.0400	0.00263	ng/L
PCB 176 (BZ)	ND		0.0400	0.00194	ng/L
PCB 177 (BZ)	ND		0.0400	0.00283	ng/L
PCB 178 (BZ)	ND		0.0400	0.00283	ng/L
PCB 179 (BZ)	ND		0.0400	0.00205	ng/L
PCB 180 (BZ)	**0.00804**	**Q B C J**	**0.0400**	**0.00220**	**ng/L**

MAN 10-31-06

Shaw E & I Inc

Sample ID: OU5C-06-0821-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 012	**Work Order #....:**	JDC612AA	**Matrix....:**	WATER
Date Sampled....:	08/21/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0400	0.00255	ng/L
PCB 182 (BZ)	ND		0.0400	0.00248	ng/L
PCB 183 (BZ)	ND		0.0400	0.00261	ng/L
PCB 184 (BZ)	ND		0.0400	0.00207	ng/L
PCB 185 (BZ)	ND		0.0400	0.00261	ng/L
PCB 186 (BZ)	ND		0.0400	0.00204	ng/L
PCB 187 (BZ)	**0.00730**	**J**	**0.0400**	**0.00243**	**ng/L**
PCB 188 (BZ)	ND		0.0400	0.00189	ng/L
PCB 189 (BZ)	ND		0.0400	0.00174	ng/L
PCB 190 (BZ)	ND		0.0400	0.00202	ng/L
PCB 191 (BZ)	ND		0.0400	0.00194	ng/L
PCB 192 (BZ)	ND		0.0400	0.00220	ng/L
PCB 193 (BZ)	**0.00804**	**Q B C180 J**	**0.0400**	**0.00220**	**ng/L**
PCB 194 (BZ)	ND		0.0400	0.00252	ng/L
PCB 195 (BZ)	ND		0.0400	0.00275	ng/L
PCB 196 (BZ)	ND		0.0400	0.00323	ng/L
PCB 197 (BZ)	ND		0.0400	0.00225	ng/L
PCB 198 (BZ)	ND		0.0400	0.00325	ng/L
PCB 201 (BZ)/199 (IUPAC)	ND		0.0400	0.00325	ng/L
PCB 199 (BZ)/200 (IUPAC)	ND		0.0400	0.00225	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND		0.0400	0.00215	ng/L
PCB 202 (BZ)	ND		0.0400	0.00243	ng/L
PCB 203 (BZ)	ND		0.0400	0.00292	ng/L
PCB 204 (BZ)	ND		0.0400	0.00228	ng/L
PCB 205 (BZ)	ND		0.0400	0.00204	ng/L
PCB 206 (BZ)	ND		0.0400	0.00301	ng/L
PCB 207 (BZ)	ND		0.0400	0.00204	ng/L
PCB 208 (BZ)	ND		0.0400	0.00210	ng/L
PCB 209 (BZ)	ND		0.0400	0.00213	ng/L

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU5C-06-0821-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 012	**Work Order #....:**	JDC612AA	**Matrix....:**	WATER
Date Sampled....:	08/21/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	64		30 - 140
13C12-PCB 3	57		30 - 140
13C12-PCB 4	77		30 - 140
13C12-PCB 15	64		30 - 140
13C12-PCB 19	77		30 - 140
13C12-PCB 37	75		30 - 140
13C12-PCB 54	74		30 - 140
13C12-PCB 77	71		30 - 140
13C12-PCB 81	72		30 - 140
13C12-PCB 104	80		30 - 140
13C12-PCB 105	87		30 - 140
13C12-PCB 114	87		30 - 140
13C12-PCB 118	88		30 - 140
13C12-PCB 123	83		30 - 140
13C12-PCB 126	76		30 - 140
13C12-PCB 155	90		30 - 140
13C12-PCB 156	87	C	30 - 140
13C12-PCB 157	87	C	30 - 140
13C12-PCB 167	85		30 - 140
13C12-PCB 169	60		30 - 140
13C12-PCB 170	88		30 - 140
13C12-PCB 188	80		30 - 140
13C12-PCB 189	78		30 - 140
13C12-PCB 202	91		30 - 140
13C12-PCB 205	87		30 - 140
13C12-PCB 206	99		30 - 140
13C12-PCB 208	98		30 - 140
13C12-PCB 209	105		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	96	40 - 125
13C12-PCB 111	100	40 - 125
13C12-PCB 178	92	40 - 125

10-31-06

Shaw E & I Inc

Sample ID: OU5C-06-0821-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 012	**Work Order #....:**	JDC612AA	**Matrix....:**	WATER
Date Sampled....:	08/21/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU5C-06-0821-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 013	**Work Order #....:**	JDC622AA	**Matrix....:**	WATER
Date Sampled....:	08/21/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	**0.00707**	**Q B J U**	**0.0400**	**0.000760**	**ng/L**
PCB 2 (BZ)	ND		0.0400	0.000992	ng/L
PCB 3 (BZ)	**0.00309**	**Q J**	**0.0400**	**0.00119**	**ng/L**
PCB 4 (BZ)	**0.0134**	**Q B J U**	**0.0600**	**0.00520**	**ng/L**
PCB 5 (BZ)	ND		0.0400	0.00500	ng/L
PCB 6 (BZ)	**0.00764**	**Q B J U**	**0.0400**	**0.00440**	**ng/L**
PCB 7 (BZ)	**0.00573**	**Q B J U**	**0.0400**	**0.00457**	**ng/L**
PCB 8 (BZ)	**0.0273**	**Q B J U**	**0.0600**	**0.00438**	**ng/L**
PCB 9 (BZ)	**0.00411**	**Q B J U**	**0.0400**	**0.00446**	**ng/L**
PCB 10 (BZ)	ND		0.0400	0.00486	ng/L
PCB 11 (BZ)	**0.0308**	**Q B J U**	**0.0600**	**0.00479**	**ng/L**
PCB 12 (BZ)	ND		0.0600	0.00468	ng/L
PCB 13 (BZ)	ND		0.0600	0.00468	ng/L
PCB 14 (BZ)	ND		0.0400	0.00393	ng/L
PCB 15 (BZ)	**0.00679**	**Q B J U**	**0.0400**	**0.00552**	**ng/L**
PCB 16 (BZ)	**0.0113**	**J**	**0.0400**	**0.00293**	**ng/L**
PCB 17 (BZ)	**0.0104**	**Q B J U**	**0.0400**	**0.00253**	**ng/L**
PCB 18 (BZ)	**0.0267**	**B C J U**	**0.0600**	**0.00213**	**ng/L**
PCB 19 (BZ)	ND		0.0400	0.00281	ng/L
PCB 20 (BZ)	**0.0640**	**B C**	**0.0400**	**0.00192**	**ng/L**
PCB 21 (BZ)	**0.0274**	**B C J U**	**0.0400**	**0.00191**	**ng/L**
PCB 22 (BZ)	**0.0188**	**B J U**	**0.0400**	**0.00205**	**ng/L**
PCB 23 (BZ)	ND		0.0400	0.00206	ng/L
PCB 24 (BZ)	ND		0.0400	0.00187	ng/L
PCB 25 (BZ)	**0.00528**	**J**	**0.0400**	**0.00174**	**ng/L**
PCB 26 (BZ)	**0.00971**	**B C J U**	**0.0400**	**0.00195**	**ng/L**
PCB 27 (BZ)	ND		0.0400	0.00175	ng/L
PCB 28 (BZ)	**0.0640**	**B C20**	**0.0400**	**0.00192**	**ng/L**
PCB 29 (BZ)	**0.00971**	**B C26 J U**	**0.0400**	**0.00195**	**ng/L**
PCB 30 (BZ)	**0.0267**	**B C18 J U**	**0.0600**	**0.00213**	**ng/L**
PCB 31 (BZ)	**0.0456**	**B**	**0.0400**	**0.00192**	**ng/L**
PCB 32 (BZ)	**0.00826**	**B J U**	**0.0400**	**0.00165**	**ng/L**
PCB 33 (BZ)	**0.0274**	**B C21 J U**	**0.0400**	**0.00191**	**ng/L**
PCB 34 (BZ)	ND		0.0400	0.00203	ng/L
PCB 35 (BZ)	ND		0.0400	0.00212	ng/L
PCB 36 (BZ)	ND		0.0400	0.00208	ng/L

10-31-06

Shaw E & I Inc

Sample ID: OU5C-06-0821-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 013	**Work Order #....:**	JDC622AA	**Matrix....:**	WATER
Date Sampled....:	08/21/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	**0.0137**	**Q J**	**0.0400**	**0.00211**	**ng/L**
PCB 38 (BZ)	ND		0.0400	0.00200	ng/L
PCB 39 (BZ)	ND		0.0400	0.00190	ng/L
PCB 40 (BZ)	**0.0231**	**B C J**	**0.0400**	**0.00283**	**ng/L**
PCB 41 (BZ)	**0.0231**	**B C40 J**	**0.0400**	**0.00283**	**ng/L**
PCB 42 (BZ)	**0.0107**	**Q B J**	**0.0400**	**0.00294**	**ng/L**
PCB 43 (BZ)	ND		0.0400	0.00263	ng/L
PCB 44 (BZ)	**0.0515**	**B C**	**0.0400**	**0.00245**	**ng/L**
PCB 45 (BZ)	**0.00793**	**C J**	**0.0400**	**0.00290**	**ng/L**
PCB 46 (BZ)	ND		0.0400	0.00358	ng/L
PCB 47 (BZ)	**0.0515**	**B C44**	**0.0400**	**0.00245**	**ng/L**
PCB 48 (BZ)	**0.00972**	**B J**	**0.0400**	**0.00291**	**ng/L**
PCB 49 (BZ)	**0.0299**	**B C J**	**0.0400**	**0.00228**	**ng/L**
PCB 50 (BZ)	**0.00530**	**Q B C J U**	**0.0400**	**0.00268**	**ng/L**
PCB 51 (BZ)	**0.00793**	**C45 J**	**0.0400**	**0.00290**	**ng/L**
PCB 52 (BZ)	**0.0509**	**B**	**0.0400**	**0.00271**	**ng/L**
PCB 53 (BZ)	**0.00530**	**Q B C50 J U**	**0.0400**	**0.00268**	**ng/L**
PCB 54 (BZ)	ND		0.0400	0.00355	ng/L
PCB 55 (BZ)	**0.00497**	**Q J**	**0.0400**	**0.00217**	**ng/L**
PCB 56 (BZ)	**0.0190**	**Q J**	**0.0400**	**0.00205**	**ng/L**
PCB 57 (BZ)	ND		0.0400	0.00205	ng/L
PCB 58 (BZ)	ND		0.0400	0.00200	ng/L
PCB 59 (BZ)	**0.00652**	**C J**	**0.0400**	**0.00193**	**ng/L**
PCB 60 (BZ)	**0.00920**	**J**	**0.0400**	**0.00218**	**ng/L**
PCB 61 (BZ)	**0.0636**	**B C**	**0.0400**	**0.00192**	**ng/L**
PCB 62 (BZ)	**0.00652**	**C59 J**	**0.0400**	**0.00193**	**ng/L**
PCB 63 (BZ)	ND		0.0400	0.00185	ng/L
PCB 64 (BZ)	**0.0211**	**B J**	**0.0400**	**0.00184**	**ng/L**
PCB 65 (BZ)	**0.0515**	**B C44**	**0.0400**	**0.00245**	**ng/L**
PCB 66 (BZ)	**0.0482**	**B**	**0.0400**	**0.00197**	**ng/L**
PCB 67 (BZ)	ND		0.0400	0.00177	ng/L
PCB 68 (BZ)	ND		0.0400	0.00190	ng/L
PCB 69 (BZ)	**0.0299**	**B C49 J**	**0.0400**	**0.00228**	**ng/L**
PCB 70 (BZ)	**0.0636**	**B C61**	**0.0400**	**0.00192**	**ng/L**
PCB 71 (BZ)	**0.0231**	**B C40 J**	**0.0400**	**0.00283**	**ng/L**
PCB 72 (BZ)	ND		0.0400	0.00205	ng/L

10-31-06

Shaw E & I Inc

Sample ID: OU5C-06-0821-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 013	**Work Order #....:**	JDC622AA	**Matrix....:**	WATER
Date Sampled....:	08/21/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.0400	0.00263	ng/L
PCB 74 (BZ)	**0.0636**	**B C61**	**0.0400**	**0.00192**	**ng/L**
PCB 75 (BZ)	**0.00652**	**C59 J**	**0.0400**	**0.00193**	**ng/L**
PCB 76 (BZ)	**0.0636**	**B C61**	**0.0400**	**0.00192**	**ng/L**
PCB 77 (BZ)	ND		0.0400	0.00213	ng/L
PCB 78 (BZ)	ND		0.0400	0.00222	ng/L
PCB 79 (BZ)	ND		0.0400	0.00170	ng/L
PCB 80 (BZ)	ND		0.0400	0.00189	ng/L
PCB 81 (BZ)	ND		0.0400	0.00193	ng/L
PCB 82 (BZ)	**0.00602**	**Q J**	**0.0400**	**0.00326**	**ng/L**
PCB 83 (BZ)	**0.0223**	**C J**	**0.0400**	**0.00277**	**ng/L**
PCB 84 (BZ)	**0.0117**	**Q J**	**0.0400**	**0.00324**	**ng/L**
PCB 85 (BZ)	**0.00807**	**C J**	**0.0400**	**0.00224**	**ng/L**
PCB 86 (BZ)	**0.0276**	**Q C J**	**0.0400**	**0.00223**	**ng/L**
PCB 87 (BZ)	**0.0276**	**Q C86 J**	**0.0400**	**0.00223**	**ng/L**
PCB 88 (BZ)	**0.00375**	**Q C J**	**0.0400**	**0.00279**	**ng/L**
PCB 89 (BZ)	ND		0.0400	0.00308	ng/L
PCB 90 (BZ)	**0.0359**	**B C J**	**0.0400**	**0.00226**	**ng/L**
PCB 91 (BZ)	**0.00375**	**Q C88 J**	**0.0400**	**0.00279**	**ng/L**
PCB 92 (BZ)	**0.00587**	**Q J**	**0.0400**	**0.00270**	**ng/L**
PCB 93 (BZ)	ND		0.0400	0.00264	ng/L
PCB 94 (BZ)	ND		0.0400	0.00306	ng/L
PCB 95 (BZ)	**0.0250**	**Q B J U**	**0.0400**	**0.00271**	**ng/L**
PCB 96 (BZ)	ND		0.0400	0.00211	ng/L
PCB 97 (BZ)	**0.0276**	**Q C86 J**	**0.0400**	**0.00223**	**ng/L**
PCB 98 (BZ)	ND		0.0400	0.00261	ng/L
PCB 99 (BZ)	**0.0223**	**C83 J**	**0.0400**	**0.00277**	**ng/L**
PCB 100 (BZ)	ND		0.0400	0.00264	ng/L
PCB 101 (BZ)	**0.0359**	**B C90 J**	**0.0400**	**0.00226**	**ng/L**
PCB 102 (BZ)	ND		0.0400	0.00261	ng/L
PCB 103 (BZ)	ND		0.0400	0.00257	ng/L
PCB 104 (BZ)	ND		0.0400	0.00191	ng/L
PCB 105 (BZ)	**0.00992**	**J**	**0.0400**	**0.00156**	**ng/L**
PCB 106 (BZ)	ND		0.0400	0.00182	ng/L
PCB 107 (BZ)/109 (IUPAC)	ND		0.0400	0.00172	ng/L
PCB 108 (BZ)/107 (IUPAC)	ND		0.0400	0.00176	ng/L

10-31-06

Shaw E & I Inc

Sample ID: OU5C-06-0821-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 013	Work Order #....:	JDC622AA	Matrix....:	WATER
Date Sampled....:	08/21/06	Date Received....:	08/24/06	Dilution Factor:	1
Prep Date....:	09/28/06	Analysis Date....:	10/04/06		
Prep Batch # ...:	6271090				
Initial Wgt/Vol :	1000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.0276**	**Q C86 J**	**0.0400**	**0.00223**	**ng/L**
PCB 110 (BZ)	**0.0379**	**B C J**	**0.0400**	**0.00194**	**ng/L**
PCB 111 (BZ)	ND		0.0400	0.00185	ng/L
PCB 112 (BZ)	ND		0.0400	0.00199	ng/L
PCB 113 (BZ)	**0.0359**	**B C90 J**	**0.0400**	**0.00226**	**ng/L**
PCB 114 (BZ)	ND		0.0400	0.00147	ng/L
PCB 115 (BZ)	**0.0379**	**B C110 J**	**0.0400**	**0.00194**	**ng/L**
PCB 116 (BZ)	**0.00807**	**C85 J**	**0.0400**	**0.00224**	**ng/L**
PCB 117 (BZ)	**0.00807**	**C85 J**	**0.0400**	**0.00224**	**ng/L**
PCB 118 (BZ)	**0.0253**	**Q B J**	**0.0400**	**0.00160**	**ng/L**
PCB 119 (BZ)	**0.0276**	**Q C86 J**	**0.0400**	**0.00223**	**ng/L**
PCB 120 (BZ)	ND		0.0400	0.00188	ng/L
PCB 121 (BZ)	ND		0.0400	0.00194	ng/L
PCB 122 (BZ)	ND		0.0400	0.00183	ng/L
PCB 123 (BZ)	ND		0.0400	0.00152	ng/L
PCB 124 (BZ)	ND		0.0400	0.00176	ng/L
PCB 125 (BZ)	**0.0276**	**Q C86 J**	**0.0400**	**0.00223**	**ng/L**
PCB 126 (BZ)	ND		0.0400	0.00182	ng/L
PCB 127 (BZ)	ND		0.0400	0.00164	ng/L
PCB 128 (BZ)	**0.00446**	**C J**	**0.0400**	**0.00226**	**ng/L**
PCB 129 (BZ)	**0.0275**	**B C J**	**0.0400**	**0.00231**	**ng/L**
PCB 130 (BZ)	ND		0.0400	0.00306	ng/L
PCB 131 (BZ)	ND		0.0400	0.00310	ng/L
PCB 132 (BZ)	**0.00893**	**B J**	**0.0400**	**0.00300**	**ng/L**
PCB 133 (BZ)	ND		0.0400	0.00274	ng/L
PCB 134 (BZ)	ND		0.0400	0.00306	ng/L
PCB 135 (BZ)	**0.0109**	**C J**	**0.0400**	**0.00329**	**ng/L**
PCB 136 (BZ)	ND		0.0400	0.00239	ng/L
PCB 137 (BZ)	ND		0.0400	0.00225	ng/L
PCB 138 (BZ)	**0.0275**	**B C129 J**	**0.0400**	**0.00231**	**ng/L**
PCB 139 (BZ)	ND		0.0400	0.00257	ng/L
PCB 140 (BZ)	ND		0.0400	0.00257	ng/L
PCB 141 (BZ)	**0.00785**	**B J U**	**0.0400**	**0.00288**	**ng/L**
PCB 142 (BZ)	ND		0.0400	0.00302	ng/L
PCB 143 (BZ)	ND		0.0400	0.00306	ng/L
PCB 144 (BZ)	ND		0.0400	0.00319	ng/L

10-31-06

Shaw E & I Inc

Sample ID: OU5C-06-0821-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 013	**Work Order #....:**	JDC622AA	**Matrix....:**	WATER
Date Sampled....:	08/21/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0400	0.00236	ng/L
PCB 146 (BZ)	**0.00364**	**Q J**	**0.0400**	**0.00247**	**ng/L**
PCB 147 (BZ)	**0.0225**	**B C J**	**0.0400**	**0.00258**	**ng/L**
PCB 148 (BZ)	ND		0.0400	0.00327	ng/L
PCB 149 (BZ)	**0.0225**	**B C147 J**	**0.0400**	**0.00258**	**ng/L**
PCB 150 (BZ)	ND		0.0400	0.00228	ng/L
PCB 151 (BZ)	**0.0109**	**C135 J**	**0.0400**	**0.00329**	**ng/L**
PCB 152 (BZ)	ND		0.0400	0.00226	ng/L
PCB 153 (BZ)	**0.0200**	**B C J U**	**0.0400**	**0.00199**	**ng/L**
PCB 154 (BZ)	ND		0.0400	0.00268	ng/L
PCB 155 (BZ)	ND		0.0400	0.00213	ng/L
PCB 156 (BZ)	ND		0.0400	0.00203	ng/L
PCB 157 (BZ)	ND		0.0400	0.00203	ng/L
PCB 158 (BZ)	**0.00295**	**Q J**	**0.0400**	**0.00178**	**ng/L**
PCB 159 (BZ)	ND		0.0400	0.00193	ng/L
PCB 160 (BZ)	**0.0275**	**B C129 J**	**0.0400**	**0.00231**	**ng/L**
PCB 161 (BZ)	ND		0.0400	0.00189	ng/L
PCB 162 (BZ)	ND		0.0400	0.00192	ng/L
PCB 163 (BZ)	**0.0275**	**B C129 J**	**0.0400**	**0.00231**	**ng/L**
PCB 164 (BZ)	ND		0.0400	0.00225	ng/L
PCB 165 (BZ)	ND		0.0400	0.00215	ng/L
PCB 166 (BZ)	**0.00446**	**C128 J**	**0.0400**	**0.00226**	**ng/L**
PCB 167 (BZ)	ND		0.0400	0.00142	ng/L
PCB 168 (BZ)	**0.0200**	**B C153 J U**	**0.0400**	**0.00199**	**ng/L**
PCB 169 (BZ)	ND		0.0400	0.00203	ng/L
PCB 170 (BZ)	ND		0.0400	0.00249	ng/L
PCB 171 (BZ)	ND		0.0400	0.00241	ng/L
PCB 172 (BZ)	ND		0.0400	0.00241	ng/L
PCB 173 (BZ)	ND		0.0400	0.00241	ng/L
PCB 174 (BZ)	ND		0.0400	0.00219	ng/L
PCB 175 (BZ)	ND		0.0400	0.00214	ng/L
PCB 176 (BZ)	ND		0.0400	0.00158	ng/L
PCB 177 (BZ)	ND		0.0400	0.00231	ng/L
PCB 178 (BZ)	ND		0.0400	0.00230	ng/L
PCB 179 (BZ)	ND		0.0400	0.00167	ng/L
PCB 180 (BZ)	**0.00948**	**B C J**	**0.0400**	**0.00180**	**ng/L**

MAW 10.31.06

Shaw E & I Inc

Sample ID: OU5C-06-0821-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 013	**Work Order #....:**	JDC622AA	**Matrix....:**	WATER
Date Sampled....:	08/21/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0400	0.00208	ng/L
PCB 182 (BZ)	ND		0.0400	0.00202	ng/L
PCB 183 (BZ)	ND		0.0400	0.00213	ng/L
PCB 184 (BZ)	ND		0.0400	0.00169	ng/L
PCB 185 (BZ)	ND		0.0400	0.00213	ng/L
PCB 186 (BZ)	ND		0.0400	0.00166	ng/L
PCB 187 (BZ)	**0.00657**	**J**	**0.0400**	**0.00198**	**ng/L**
PCB 188 (BZ)	ND		0.0400	0.00152	ng/L
PCB 189 (BZ)	ND		0.0400	0.00142	ng/L
PCB 190 (BZ)	ND		0.0400	0.00165	ng/L
PCB 191 (BZ)	ND		0.0400	0.00158	ng/L
PCB 192 (BZ)	ND		0.0400	0.00179	ng/L
PCB 193 (BZ)	**0.00948**	**B C180 J**	**0.0400**	**0.00180**	**ng/L**
PCB 194 (BZ)	ND		0.0400	0.00196	ng/L
PCB 195 (BZ)	ND		0.0400	0.00215	ng/L
PCB 196 (BZ)	ND		0.0400	0.00248	ng/L
PCB 197 (BZ)	ND		0.0400	0.00172	ng/L
PCB 198 (BZ)	ND		0.0400	0.00249	ng/L
PCB 201 (BZ)/199 (IUPAC)	ND		0.0400	0.00249	ng/L
PCB 199 (BZ)/200 (IUPAC)	ND		0.0400	0.00172	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND		0.0400	0.00165	ng/L
PCB 202 (BZ)	ND		0.0400	0.00186	ng/L
PCB 203 (BZ)	ND		0.0400	0.00224	ng/L
PCB 204 (BZ)	ND		0.0400	0.00175	ng/L
PCB 205 (BZ)	ND		0.0400	0.00159	ng/L
PCB 206 (BZ)	ND		0.0400	0.00215	ng/L
PCB 207 (BZ)	ND		0.0400	0.00150	ng/L
PCB 208 (BZ)	ND		0.0400	0.00157	ng/L
PCB 209 (BZ)	ND		0.0400	0.00190	ng/L

MAW 10-31-06

Shaw E & I Inc

Sample ID: OU5C-06-0821-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 013	**Work Order #....:**	JDC622AA	**Matrix....:**	WATER
Date Sampled....:	08/21/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	73		30 - 140
13C12-PCB 3	66		30 - 140
13C12-PCB 4	83		30 - 140
13C12-PCB 15	68		30 - 140
13C12-PCB 19	85		30 - 140
13C12-PCB 37	79		30 - 140
13C12-PCB 54	78		30 - 140
13C12-PCB 77	74		30 - 140
13C12-PCB 81	76		30 - 140
13C12-PCB 104	86		30 - 140
13C12-PCB 105	93		30 - 140
13C12-PCB 114	90		30 - 140
13C12-PCB 118	93		30 - 140
13C12-PCB 123	88		30 - 140
13C12-PCB 126	83		30 - 140
13C12-PCB 155	97		30 - 140
13C12-PCB 156	89	C	30 - 140
13C12-PCB 157	89	C	30 - 140
13C12-PCB 167	89		30 - 140
13C12-PCB 169	64		30 - 140
13C12-PCB 170	95		30 - 140
13C12-PCB 188	89		30 - 140
13C12-PCB 189	83		30 - 140
13C12-PCB 202	100		30 - 140
13C12-PCB 205	93		30 - 140
13C12-PCB 206	105		30 - 140
13C12-PCB 208	105		30 - 140
13C12-PCB 209	114		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	100	40 - 125
13C12-PCB 111	102	40 - 125
13C12-PCB 178	97	40 - 125

10-31-06

Shaw E & I Inc

Sample ID: OU5C-06-0821-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H6H240264 - 013	**Work Order #....:**	JDC622AA	**Matrix....:**	WATER
Date Sampled....:	08/21/06	**Date Received....:**	08/24/06	**Dilution Factor:**	1
Prep Date....:	09/28/06	**Analysis Date....:**	10/04/06		
Prep Batch # ....:	6271090				
Initial Wgt/Vol :	1000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

MAW 10-31-06

MAKuehl Co.

TECHNICAL MEMORANDUM

DATE: April 24, 2007

TO: George Hicks
Project Manager
Shaw Environmental & Infrastructure, Inc.

FROM: Marcia A. Kuehl
President/Owner
MAKuehl Company

SUBJECT: Data Validation for Lower Fox River Operable Units and Lake Winnebago Sampling Events of February 12-16, 19-20, 2007
Shaw Environmental & Infrastructure, Inc. Project # : 71987

1.0 OVERVIEW

Analytical results for the samples and their associated laboratory QC samples collected from the Lower Fox River Operable Units and Lake Winnebago on February 12-16, 19-20, 2007 have been evaluated using the EPA guidance documents "National Functional Guidelines for Organic Data Review", dated October 1999, EPA-540/R-99/008, and the "National Functional Guidelines for Inorganic Data Review", dated July, 2002, EPA-540/R-01-008.

The specific calibration and laboratory QC check requirements contained in the "Lower Fox River Baseline Monitoring Plan" dated June 23, 2006 (SAP) were the primary criteria used in the assessment of the data for compliance with the project data quality objectives. The review was based on the data packages supplied by the analytical laboratory located in Knoxville, Tennessee.

Detected congener sample concentrations below the method EML were reported as estimated by STL with a J code and should be considered estimated. All "Q" qualified concentrations should be considered estimated maximum possible concentrations and were also qualified as estimated with a J qualifier. Detected congeners in project samples that were present at concentrations less than 5 X the lab or field blank were qualified as undetected with a U qualifier as the reported concentration is not significantly different from lab or field background.

All qualifiers assigned during the data validation process are discussed in detail below. The validated data sheets are attached.

2.0 PCB CONGENERS DATA

STL utilized the EPA reference method 1668A. No significant deviations from this method were apparent from the documentation reviewed. No action was needed to qualify sample data.

2.1 Completeness Assessment

The STL data package received was complete. All samples submitted and indicated for analysis were analyzed. The data package received for PCB analysis did not require any follow-up with STL to enable data validation. The chain-of-custody documentation was complete. No action was needed to qualify sample data.

2.2 Compliance Assessment

2.2.1 Holding Times/Preservation

All samples for PCB congeners were received on ice, and no receipt temperatures exceeded the method 1668A preservation temperature of 0-4°C. As the data validation guidelines allow for the temperature to be between 2-6°C, no action was needed to qualify sample data.

Water samples were extracted within 14 days after collection. After extraction all samples were analyzed within 40 days. No action was needed to qualify sample data.

2.2.2 GC/MS Performance Check

All resolution and exact mass/theoretical mass deviation criteria for the PFK molecular leak test were acceptable each day samples were analyzed. Appropriate lock mass as required by the method were monitored and met method requirements. All labeled and unlabeled PCB congener ion abundance ratios met method criteria and all exhibited a signal to noise ratio in exceedance of 1:10. No action was needed to qualify sample data.

2.2.3 Initial Calibration (ICAL)

Five point initial calibration curves were analyzed on 3/7-8/07. The rsd values measured for each peak were less than the 20 % (isotope dilution congeners) and 35 % (unlabeled congeners) data validation criteria. No action was needed to qualify sample data.

2.2.4 Calibration Verification (CCAL)

The required method frequency of calibration verification was met and all method lock mass, response factor and retention time window criteria were met. No action was needed to qualify sample data.

2.2.5 Laboratory Blanks

At least one laboratory blank was prepared and extracted with the project samples. Detectable congeners as listed in Table 1 were present above the reported Detection Limit. STL qualified the affected congeners with a "B" qualifier in the samples. Action taken was to qualify detected sample concentrations of congeners that were present in the lab blank at concentrations less than 5 X the lab blank as undetected with a U qualifier as the reported concentration is not significantly different from lab background. Accordingly, the following congeners were qualified as undetected:

LWB-07-0212: PCB- 4, 6, 7, 8, 11, 12, 13, 15, 18, 20, 21, 22, 26, 28, 29, 31, 33, 37, 44, 47, 49, 52,

65, 66, 68, 70, 74, 90, 95, 100, 101, 105, 110, 113, 115, 118, 129, 138, 147, 149, 153, 160, 163, 168, 180, 193

OU1-07-0213: PCB-4, 6, 7, 8, 11, 12, 13, 15, 18, ~~20~~, 21, 22, ~~26~~, ~~28~~, ~~29~~, 31, 33, 37, ~~44~~, ~~47~~, 52, 65, 68, 70, 74, 76, 90, 95, 100, 105, 110, 113, 115, 118, 129, 138, 147, 149, 153, 160, 163, 168, 180, 193

OU2A-07-0213: PCB-4, 6, 7, 8, 11, 12, 13, 15, ~~18~~, ~~20~~, 21, 22, ~~29~~, 33, 37, ~~44~~, ~~47~~, ~~52~~, ~~65~~, ~~66~~, 68, 70, 74, 76, 90, 95, 100, 101, 105, 110, 113, 115, 118, 129, 138, 147, 149, 153, 160, 163, 168, 180, 193

OU2B-07-0214: PCB-4, 6, 7, 8, 11, 15, ~~18~~, ~~20~~, 21, 22, ~~28~~, 33, 44, 47, ~~52~~, 65, 68, 90, 95, 100, 101, 105, 110, 113, 115, 118, 129, 138, 147, 149, 153, 160, 163, 168

OU2C-07-0214: PCB-6, 7, 8, 11, 12, 13, 15, 21, 22, 33, 37, 44, 47, 65, 68, 70, 74, 76, 90, 95, 100, 101, 105, ~~110~~, 113, 118, 129, 138, 147, 149, 153, 160, 163, 168, 180, 193

OU3C-07-0215: PCB-6, 7, 8, 12, 13, 15, 21, 22, 33, 37, 44, 47, 65, 68, 90, 95, 100, 101, 105, 110, 113, 115, 118, 129, 138, 147, 149, 153, 160, 163, 168, 180, 193

OU4-07-0216: PCB-7, 12, 13, 68, 129, 138, 147, 149, 153, 160, 163, 168, 180, 193

OU5A-07-0216-A,C,E: PCB-7, 12, 13, 15, 68, 129, 138, 147, 149, 153, 160, 163, 168, 180, 193

OU5A-07-0216-B,D,F: PCB-7, 12, 13, 15, 68, 129, 138, 147, 149, 153, 160, 163, 168, 180, 193

OU5C-07-0219-C,E: PCB-4, 6, 7, 8, 12, 13, 15, 18, 21, 22, 31, 33, 44, 47, 65, 68, 90, 95, 100, 101, 105, 110, 113, 115, 118, 129, 138, 147, 149, 153, 160, 163, 168, 180, 193 ~~14~~

OU5C-0700219-D,F: PCB-4, 6, 7, 8, 12, 13, 15, 18, 21, 22, 31, 33, 44, 47, 52, 65, 68, 90, 95, 100, 101, 105, 110, 113, 115, 118, 129, 138, 147, 149, 153, 160, 163, 168, 180, 193

OU5B-07-0220-C,E: PCB-6, 7, 8, 12, 13, 15, 68, 95, 100, 129, 138, 147, 149, 153, 160, 163, 168, 180, 193 14

OU5B-07-0220-D,F: PCB-4, 6, 7, 8, 12, 13, 15, 68, 95, 100, 129, 138, 147, 149, 153, 160, 163, 168, 180, 193

FIELD BLANK: PCB-4, 8, 11, 15, 18, 20, 21, 22, 28, 31, 33, 37, 44, 47, 49, 52, 65, 66, 68, 70, 74, 76, 90, 95, 100, 101, 110, 113, 115, 118, 129, 138, 147, 149, 153, 160, 163, 168

2.2.6 C-13 labeled Internal Standard and Surrogate Recoveries

All C-13 labeled internal standard congener recoveries in all project samples were within method limits of 25 - 150 % and STL's limits of 30-140 %.

All C-13 labeled surrogates (PCB-28, 111, 178) were recovered within STL's limits of 40-125 %. No action was needed to qualify sample data.

2.2.7 Laboratory Control Sample (LCS)

At least one Laboratory Control Sample (LCS) containing 20 congeners 5-10 ng/L was prepared and analyzed with each set of project samples extracted and analyzed. All recoveries measured in the LCS were within the method and STL limits of 50 - 150 %. No action was needed to qualify sample data based on LCS recoveries.

2.2.8 Detection Limit Attainment

The Reporting Limits in SAP Table 2-8 were attained in all samples.

2.2.9 Verification of Reported Results

All reported congener concentrations were recalculated from the raw data and were verified. QC sample results such as percent recovery and RSD were also recalculated, but at a 10 % frequency. No discrepancies that were not due to differences in lab instrument software and the validator's calculator significant figure/rounding protocols were found in QC sample results.

Some detected congener concentrations were qualified by STL with a "Q" qualifier. The Q qualifier indicates that the concentration reported does not meet all of the qualitative criteria in the method. Accordingly, all of these concentrations should be considered estimated maximum possible concentrations and were also qualified as estimated with a J qualifier.

2.3 Field QC Results

The field blank collected with the project samples contained several congeners not also present in the lab blank as listed in Table 1. Action taken was to qualify detected sample concentrations of congeners that were present in the field blank at concentrations less than 5 X the field blank as undetected with a U qualifier as the reported concentration is not significantly different from field background. Accordingly, the following congeners were qualified as undetected:

LWB-07-0212: PCB-32, 40, 45, 51, 71

OU1-07-0213: PCB-16, 32, 40, 45, 51, 71

OU2A-07-0213: PCB-16, 32, 40, 45, 51, 71

OU2B-07-0214: PCB-16, 32, 40, 45, 51, 71

OU2C-07-0214: PCB-16, 32, 40, 45, 51, 71

OU3C-07-0215: PCB-16, 32, 40, 45, 51, 71

OU4-07-0216: PCB-45

OU5A-07-0216-A,C,E: PCB-16, 45, 51

OU5A-07-0216-B,D,F: PCB-45, 51

OU5C-07-0219-C,E: PCB-16, 32, 40, 45, 51, 71

OU5C-0700219-D,F: PCB-16, 32, 40, 45, 51, 71

OU5B-07-0220-C,E: PCB-16, 32, 45, 51

OU5B-07-0220-D,F: PCB-16, 32, 45, 51

No field duplicates were collected with the project samples. No action was taken to qualify sample data.

.2.4 Data Usability

Detected congener sample concentrations below the method EML were reported as estimated by STL with a J code and should be considered estimated. All "Q" qualified concentrations should be considered estimated maximum possible concentrations and were also qualified as estimated with a J qualifier.

Detected congeners in project samples that were present at concentrations less than 5 X the lab or field blank were qualified as undetected with a U qualifier as the reported concentration is not significantly different from lab or field background:

If you have any questions regarding the qualification of data or the data validation process/criteria used, please contact me at (920) 469-9113.

Attachments:

Table 1
Validated hard copy Data Sheets

Table 1 Laboratory Method Blank and Field Blank Detected Congeners and Action Level

Analyte (PCB-)	Lab blank (ng/L)	5 X Action Level (ng/L)	Analyte (PCB-)	Lab blank (ng/L)	5 X Action Level (ng/L)
4	0.00288	0.01440	70	0.00333	0.01665
6	0.00120	0.00600	74	0.00333	0.01665
7	0.00200	0.01000	76	0.00333	0.01665
8	0.00339	0.01695	90	0.00363	0.01815
11	0.00633	0.03165	95	0.00289	0.01445
12	0.00154	0.00770	100	0.00289	0.01445
13	0.00154	0.00770	101	0.00363	0.01815
14	0.00078	0.00391	105	0.00114	0.00570
15	0.00270	0.01350	110	0.00299	0.01495
18	0.00431	0.02155	113	0.00363	0.01815
20	0.00320	0.01600	115	0.00299	0.01495
21	0.00196	0.00980	118	0.00264	0.01320
22	0.00159	0.00795	129	0.00421	0.02105
26	0.00056	0.00280	138	0.00421	0.02105
28	0.00320	0.01600	147	0.00305	0.01525
29	0.00056	0.00280	149	0.00305	0.01525
31	0.00322	0.01610	153	0.00358	0.01790
33	0.00196	0.00980	160	0.00421	0.02105
37	0.00085	0.00424	163	0.00421	0.02105
44	0.00574	0.02870	168	0.00358	0.01790
47	0.00574	0.02870	180	0.00176	0.00880
49	0.00111	0.00555	193	0.00176	0.00880
52	0.00289	0.01445			
64	0.00574	0.02870	**Analyte (PCB-)**	**Field blank (ng/L)**	**5 X Action Level (ng/L)**
65	0.00574	0.02870	16	0.00491	0.02455
66	0.00141	0.00705	32	0.00344	0.01720
68	0.00149	0.00745	40	0.00285	0.01425
			45	0.00530	0.02650
			51	0.00530	0.02650
			71	0.00285	0.01425

Shaw E & I Inc

Sample ID: LWB-07-0212

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 001	Work Order #....:	JQPAW1AA	Matrix....:	WATER
Date Sampled....:	02/12/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.00154	Q J	0.0196	0.000370	ng/L
PCB 2 (BZ)	0.000607	Q J	0.0196	0.000394	ng/L
PCB 3 (BZ)	0.000765	Q J	0.0196	0.000373	ng/L
PCB 4 (BZ)	0.00422	Q B J U	0.0294	0.00197	ng/L
PCB 5 (BZ)	ND		0.0196	0.00130	ng/L
PCB 6 (BZ)	0.00140	Q B J U	0.0196	0.00122	ng/L
PCB 7 (BZ)	0.00147	Q B J U	0.0196	0.00123	ng/L
PCB 8 (BZ)	0.00533	Q B J U	0.0294	0.00119	ng/L
PCB 9 (BZ)	ND		0.0196	0.00122	ng/L
PCB 10 (BZ)	ND		0.0196	0.00133	ng/L
PCB 11 (BZ)	0.0146	Q B J U	0.0294	0.00122	ng/L
PCB 12 (BZ)	0.00111	Q B C J U	0.0294	0.00121	ng/L
PCB 13 (BZ)	0.00111	Q B C12 J U	0.0294	0.00121	ng/L
PCB 14 (BZ)	ND		0.0196	0.00104	ng/L
PCB 15 (BZ)	0.00260	Q B J U	0.0196	0.00113	ng/L
PCB 16 (BZ)	ND		0.0196	0.00127	ng/L
PCB 17 (BZ)	ND		0.0196	0.00111	ng/L
PCB 18 (BZ)	0.00668	B J U	0.0294	0.00116	ng/L
PCB 19 (BZ)	ND		0.0196	0.00125	ng/L
PCB 20 (BZ)	0.00668	B C J U	0.0196	0.000456	ng/L
PCB 21 (BZ)	0.00351	Q B C J U	0.0196	0.000442	ng/L
PCB 22 (BZ)	0.00276	B J U	0.0196	0.000463	ng/L
PCB 23 (BZ)	ND		0.0196	0.000467	ng/L
PCB 24 (BZ)	ND		0.0196	0.000823	ng/L
PCB 25 (BZ)	ND		0.0196	0.000414	ng/L
PCB 26 (BZ)	0.00105	Q B C J U	0.0196	0.000446	ng/L
PCB 27 (BZ)	ND		0.0196	0.000754	ng/L
PCB 28 (BZ)	0.00668	B C20 J U	0.0196	0.000456	ng/L
PCB 29 (BZ)	0.00105	Q B C26 J U	0.0196	0.000446	ng/L
PCB 30 (BZ)	ND		0.0294	0.000783	ng/L
PCB 31 (BZ)	0.00546	Q B J U	0.0196	0.000439	ng/L
PCB 32 (BZ)	0.00200	J U	0.0196	0.000746	ng/L
PCB 33 (BZ)	0.00351	Q B C21 J U	0.0196	0.000442	ng/L
PCB 34 (BZ)	ND		0.0196	0.000464	ng/L
PCB 35 (BZ)	ND		0.0196	0.000472	ng/L
PCB 36 (BZ)	ND		0.0196	0.000439	ng/L

MAH 4/24/07

Shaw E & I Inc

Sample ID: LWB-07-0212

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 001	Work Order #....:	JQPAW1AA	Matrix....:	WATER
Date Sampled....:	02/12/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.00178	B J U	0.0196	0.000461	ng/L
PCB 38 (BZ)	ND		0.0196	0.000453	ng/L
PCB 39 (BZ)	ND		0.0196	0.000424	ng/L
PCB 40 (BZ)	0.00329	C J U	0.0196	0.000761	ng/L
PCB 41 (BZ)	ND		0.0196	0.00100	ng/L
PCB 42 (BZ)	0.00162	Q J	0.0196	0.000844	ng/L
PCB 43 (BZ)	ND		0.0196	0.000758	ng/L
PCB 44 (BZ)	0.0225	B C U	0.0196	0.000709	ng/L
PCB 45 (BZ)	0.00332	C J U	0.0196	0.000847	ng/L
PCB 46 (BZ)	ND		0.0196	0.00103	ng/L
PCB 47 (BZ)	0.0225	B C44 U	0.0196	0.000709	ng/L
PCB 48 (BZ)	0.00178	Q J	0.0196	0.000819	ng/L
PCB 49 (BZ)	0.00381	B J U	0.0196	0.000722	ng/L
PCB 50 (BZ)	ND		0.0196	0.000783	ng/L
PCB 51 (BZ)	0.00332	C45 J U	0.0196	0.000847	ng/L
PCB 52 (BZ)	0.00512	Q B J U	0.0196	0.000784	ng/L
PCB 53 (BZ)	ND		0.0196	0.000783	ng/L
PCB 54 (BZ)	ND		0.0196	0.00121	ng/L
PCB 55 (BZ)	ND		0.0196	0.000625	ng/L
PCB 56 (BZ)	0.00266	Q J	0.0196	0.000590	ng/L
PCB 57 (BZ)	ND		0.0196	0.000608	ng/L
PCB 58 (BZ)	ND		0.0196	0.000576	ng/L
PCB 59 (BZ)	ND		0.0196	0.000560	ng/L
PCB 60 (BZ)	0.00170	J	0.0196	0.000609	ng/L
PCB 61 (BZ)	ND		0.0196	0.000610	ng/L
PCB 62 (BZ)	ND		0.0196	0.000560	ng/L
PCB 63 (BZ)	ND		0.0196	0.000542	ng/L
PCB 64 (BZ)	0.00224	Q J	0.0196	0.000553	ng/L
PCB 65 (BZ)	0.0225	B C44 U	0.0196	0.000709	ng/L
PCB 66 (BZ)	0.00523	B J U	0.0196	0.000563	ng/L
PCB 67 (BZ)	ND		0.0196	0.000564	ng/L
PCB 68 (BZ)	0.00438	B J U	0.0196	0.000547	ng/L
PCB 69 (BZ)	ND		0.0196	0.000615	ng/L
PCB 70 (BZ)	0.00959	B C J U	0.0196	0.000551	ng/L
PCB 71 (BZ)	0.00329	C40 J U	0.0196	0.000761	ng/L
PCB 72 (BZ)	ND		0.0196	0.000577	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: LWB-07-0212

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 001	**Work Order #....:**	JQPAW1AA	**Matrix....:**	WATER
Date Sampled....:	02/12/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.0196	0.000758	ng/L
PCB 74 (BZ)	**0.00959**	**B C70 J** U	**0.0196**	**0.000551**	**ng/L**
PCB 75 (BZ)	ND		0.0196	0.000560	ng/L
PCB 76 (BZ)	**0.00959**	**B C70 J** U	**0.0196**	**0.000551**	**ng/L**
PCB 77 (BZ)	ND		0.0196	0.000595	ng/L
PCB 78 (BZ)	ND		0.0196	0.000614	ng/L
PCB 79 (BZ)	ND		0.0196	0.000529	ng/L
PCB 80 (BZ)	ND		0.0196	0.000513	ng/L
PCB 81 (BZ)	ND		0.0196	0.000560	ng/L
PCB 82 (BZ)	ND		0.0196	0.00155	ng/L
PCB 83 (BZ)	**0.00657**	**C J**	**0.0196**	**0.00120**	**ng/L**
PCB 84 (BZ)	**0.00318**	**Q J**	**0.0196**	**0.00138**	**ng/L**
PCB 85 (BZ)	ND		0.0196	0.000955	ng/L
PCB 86 (BZ)	**0.00701**	**Q C J**	**0.0196**	**0.000967**	**ng/L**
PCB 87 (BZ)	**0.00701**	**Q C86 J**	**0.0196**	**0.000967**	**ng/L**
PCB 88 (BZ)	ND		0.0196	0.00129	ng/L
PCB 89 (BZ)	ND		0.0196	0.00130	ng/L
PCB 90 (BZ)	**0.00782**	**Q B C J** U	**0.0196**	**0.000945**	**ng/L**
PCB 91 (BZ)	ND		0.0196	0.00108	ng/L
PCB 92 (BZ)	ND		0.0196	0.00121	ng/L
PCB 93 (BZ)	ND		0.0196	0.00133	ng/L
PCB 94 (BZ)	ND		0.0196	0.00133	ng/L
PCB 95 (BZ)	**0.00563**	**Q B C J** U	**0.0196**	**0.00109**	**ng/L**
PCB 96 (BZ)	ND		0.0196	0.000923	ng/L
PCB 97 (BZ)	**0.00701**	**Q C86 J**	**0.0196**	**0.000967**	**ng/L**
PCB 98 (BZ)	ND		0.0196	0.00114	ng/L
PCB 99 (BZ)	**0.00657**	**C83 J**	**0.0196**	**0.00120**	**ng/L**
PCB 100 (BZ)	**0.00563**	**Q B C95 J** U	**0.0196**	**0.00109**	**ng/L**
PCB 101 (BZ)	**0.00782**	**Q B C90 J** U	**0.0196**	**0.000945**	**ng/L**
PCB 102 (BZ)	ND		0.0196	0.00114	ng/L
PCB 103 (BZ)	ND		0.0196	0.00108	ng/L
PCB 104 (BZ)	ND		0.0196	0.000814	ng/L
PCB 105 (BZ)	**0.00264**	**Q B J** U	**0.0196**	**0.000525**	**ng/L**
PCB 106 (BZ)	ND		0.0196	0.000626	ng/L
PCB 107 (BZ)/109 (IUPAC)	ND		0.0196	0.000609	ng/L
PCB 108 (BZ)/107 (IUPAC)	ND		0.0196	0.000582	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: LWB-07-0212

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 001	Work Order #....:	JQPAW1AA	Matrix....:	WATER
Date Sampled....:	02/12/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.00701**	**Q C86 J**	**0.0196**	**0.000967**	**ng/L**
PCB 110 (BZ)	**0.0107**	**Q B C J U**	**0.0196**	**0.000821**	**ng/L**
PCB 111 (BZ)	ND		0.0196	0.000829	ng/L
PCB 112 (BZ)	ND		0.0196	0.000867	ng/L
PCB 113 (BZ)	**0.00782**	**Q B C90 J U**	**0.0196**	**0.000945**	**ng/L**
PCB 114 (BZ)	ND		0.0196	0.000559	ng/L
PCB 115 (BZ)	**0.0107**	**Q B C110 J U**	**0.0196**	**0.000821**	**ng/L**
PCB 116 (BZ)	ND		0.0196	0.000955	ng/L
PCB 117 (BZ)	ND		0.0196	0.000955	ng/L
PCB 118 (BZ)	**0.00661**	**B J U**	**0.0196**	**0.000602**	**ng/L**
PCB 119 (BZ)	**0.00701**	**Q C86 J**	**0.0196**	**0.000967**	**ng/L**
PCB 120 (BZ)	ND		0.0196	0.000784	ng/L
PCB 121 (BZ)	ND		0.0196	0.000846	ng/L
PCB 122 (BZ)	ND		0.0196	0.000625	ng/L
PCB 123 (BZ)	ND		0.0196	0.000590	ng/L
PCB 124 (BZ)	ND		0.0196	0.000582	ng/L
PCB 125 (BZ)	**0.00701**	**Q C86 J**	**0.0196**	**0.000967**	**ng/L**
PCB 126 (BZ)	ND		0.0196	0.000574	ng/L
PCB 127 (BZ)	ND		0.0196	0.000579	ng/L
PCB 128 (BZ)	ND		0.0196	0.00115	ng/L
PCB 129 (BZ)	**0.00822**	**B C J U**	**0.0196**	**0.000959**	**ng/L**
PCB 130 (BZ)	ND		0.0196	0.00125	ng/L
PCB 131 (BZ)	ND		0.0196	0.00124	ng/L
PCB 132 (BZ)	**0.00273**	**Q J**	**0.0196**	**0.00125**	**ng/L**
PCB 133 (BZ)	ND		0.0196	0.00115	ng/L
PCB 134 (BZ)	ND		0.0196	0.00124	ng/L
PCB 135 (BZ)	ND		0.0196	0.00122	ng/L
PCB 136 (BZ)	ND		0.0196	0.000987	ng/L
PCB 137 (BZ)	ND		0.0196	0.00106	ng/L
PCB 138 (BZ)	**0.00822**	**B C129 J U**	**0.0196**	**0.000959**	**ng/L**
PCB 139 (BZ)	ND		0.0196	0.00103	ng/L
PCB 140 (BZ)	ND		0.0196	0.00103	ng/L
PCB 141 (BZ)	**0.00248**	**J**	**0.0196**	**0.00117**	**ng/L**
PCB 142 (BZ)	ND		0.0196	0.00120	ng/L
PCB 143 (BZ)	ND		0.0196	0.00124	ng/L
PCB 144 (BZ)	ND		0.0196	0.00126	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: LWB-07-0212

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 001	Work Order #....:	JQPAW1AA	Matrix....:	WATER
Date Sampled....:	02/12/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0196	0.000935	ng/L
PCB 146 (BZ)	ND		0.0196	0.00101	ng/L
PCB 147 (BZ)	**0.00627**	**B C J U**	**0.0196**	**0.00103**	**ng/L**
PCB 148 (BZ)	ND		0.0196	0.00127	ng/L
PCB 149 (BZ)	**0.00627**	**B C147 J U**	**0.0196**	**0.00103**	**ng/L**
PCB 150 (BZ)	ND		0.0196	0.000924	ng/L
PCB 151 (BZ)	ND		0.0196	0.00122	ng/L
PCB 152 (BZ)	ND		0.0196	0.000933	ng/L
PCB 153 (BZ)	**0.00599**	**Q B C J U**	**0.0196**	**0.000828**	**ng/L**
PCB 154 (BZ)	ND		0.0196	0.00122	ng/L
PCB 155 (BZ)	ND		0.0196	0.000854	ng/L
PCB 156 (BZ)	ND		0.0196	0.00108	ng/L
PCB 157 (BZ)	ND		0.0196	0.00108	ng/L
PCB 158 (BZ)	**0.000852**	**Q J**	**0.0196**	**0.000742**	**ng/L**
PCB 159 (BZ)	ND		0.0196	0.000819	ng/L
PCB 160 (BZ)	**0.00822**	**B C129 J U**	**0.0196**	**0.000959**	**ng/L**
PCB 161 (BZ)	ND		0.0196	0.000812	ng/L
PCB 162 (BZ)	ND		0.0196	0.000820	ng/L
PCB 163 (BZ)	**0.00822**	**B C129 J U**	**0.0196**	**0.000959**	**ng/L**
PCB 164 (BZ)	ND		0.0196	0.000856	ng/L
PCB 165 (BZ)	ND		0.0196	0.000891	ng/L
PCB 166 (BZ)	ND		0.0196	0.000802	ng/L
PCB 167 (BZ)	ND		0.0196	0.000567	ng/L
PCB 168 (BZ)	**0.00599**	**Q B C153 J U**	**0.0196**	**0.000828**	**ng/L**
PCB 169 (BZ)	ND		0.0196	0.000544	ng/L
PCB 170 (BZ)	**0.00194**	**Q J**	**0.0196**	**0.00101**	**ng/L**
PCB 171 (BZ)	ND		0.0196	0.00109	ng/L
PCB 172 (BZ)	ND		0.0196	0.00109	ng/L
PCB 173 (BZ)	ND		0.0196	0.00109	ng/L
PCB 174 (BZ)	**0.00256**	**J**	**0.0196**	**0.000989**	**ng/L**
PCB 175 (BZ)	ND		0.0196	0.000994	ng/L
PCB 176 (BZ)	ND		0.0196	0.000730	ng/L
PCB 177 (BZ)	ND		0.0196	0.00104	ng/L
PCB 178 (BZ)	ND		0.0196	0.00103	ng/L
PCB 179 (BZ)	ND		0.0196	0.000762	ng/L
PCB 180 (BZ)	**0.00340**	**Q B C J U**	**0.0196**	**0.000806**	**ng/L**

4/24/07

Shaw E & I Inc

Sample ID: LWB-07-0212

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 001	Work Order #....:	JQPAW1AA	Matrix....:	WATER
Date Sampled....:	02/12/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0196	0.000938	ng/L
PCB 182 (BZ)	ND		0.0196	0.000941	ng/L
PCB 183 (BZ)	ND		0.0196	0.000966	ng/L
PCB 184 (BZ)	ND		0.0196	0.000776	ng/L
PCB 185 (BZ)	ND		0.0196	0.000995	ng/L
PCB 186 (BZ)	ND		0.0196	0.000753	ng/L
PCB 187 (BZ)	**0.00317**	**Q J**	**0.0196**	**0.000906**	**ng/L**
PCB 188 (BZ)	ND		0.0196	0.000748	ng/L
PCB 189 (BZ)	ND		0.0196	0.000512	ng/L
PCB 190 (BZ)	ND		0.0196	0.000729	ng/L
PCB 191 (BZ)	ND		0.0196	0.000745	ng/L
PCB 192 (BZ)	ND		0.0196	0.000797	ng/L
PCB 193 (BZ)	**0.00340**	**Q B C180 J**	**0.0196**	**0.000806**	**ng/L**
PCB 194 (BZ)	ND		0.0196	0.000849	ng/L
PCB 195 (BZ)	ND		0.0196	0.000933	ng/L
PCB 196 (BZ)	ND		0.0196	0.00122	ng/L
PCB 197 (BZ)	ND		0.0196	0.000867	ng/L
PCB 198 (BZ)	ND		0.0196	0.00121	ng/L
PCB 201 (BZ)/199 (IUPAC)	ND		0.0196	0.00121	ng/L
PCB 199 (BZ)/200 (IUPAC)	ND		0.0196	0.000893	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND		0.0196	0.000847	ng/L
PCB 202 (BZ)	ND		0.0196	0.000927	ng/L
PCB 203 (BZ)	ND		0.0196	0.00108	ng/L
PCB 204 (BZ)	ND		0.0196	0.000891	ng/L
PCB 205 (BZ)	ND		0.0196	0.000685	ng/L
PCB 206 (BZ)	ND		0.0196	0.00134	ng/L
PCB 207 (BZ)	ND		0.0196	0.000932	ng/L
PCB 208 (BZ)	ND		0.0196	0.000956	ng/L
PCB 209 (BZ)	ND		0.0196	0.00109	ng/L

4/24/07

Shaw E & I Inc

Sample ID: LWB-07-0212

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 001	Work Order #....:	JQPAW1AA	Matrix....:	WATER
Date Sampled....:	02/12/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	67		30 - 140
13C12-PCB 3	76		30 - 140
13C12-PCB 4	77		30 - 140
13C12-PCB 15	100		30 - 140
13C12-PCB 19	81		30 - 140
13C12-PCB 37	93		30 - 140
13C12-PCB 54	81		30 - 140
13C12-PCB 77	102		30 - 140
13C12-PCB 81	99		30 - 140
13C12-PCB 104	86		30 - 140
13C12-PCB 105	95		30 - 140
13C12-PCB 114	93		30 - 140
13C12-PCB 118	92		30 - 140
13C12-PCB 123	92		30 - 140
13C12-PCB 126	95		30 - 140
13C12-PCB 155	91		30 - 140
13C12-PCB 156	101	C	30 - 140
13C12-PCB 157	101	C	30 - 140
13C12-PCB 167	97		30 - 140
13C12-PCB 169	94		30 - 140
13C12-PCB 170	99		30 - 140
13C12-PCB 188	85		30 - 140
13C12-PCB 189	102		30 - 140
13C12-PCB 202	93		30 - 140
13C12-PCB 205	99		30 - 140
13C12-PCB 206	96		30 - 140
13C12-PCB 208	100		30 - 140
13C12-PCB 209	94		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	90	40 - 125
13C12-PCB 111	99	40 - 125
13C12-PCB 178	83	40 - 125

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Shaw E & I Inc

Sample ID: LWB-07-0212

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 001	**Work Order #....:**	JQPAW1AA	**Matrix....:**	WATER
Date Sampled....:	02/12/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

4/24/07

Shaw E & I Inc

Sample ID: OU1-07-0213

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 002	Work Order #....:	JQPA51AA	Matrix....:	WATER
Date Sampled....:	02/13/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.00250	Q J	0.0196	0.000284	ng/L
PCB 2 (BZ)	ND		0.0196	0.000290	ng/L
PCB 3 (BZ)	0.00120	Q J	0.0196	0.000263	ng/L
PCB 4 (BZ)	0.0134	Q B J U	0.0294	0.00146	ng/L
PCB 5 (BZ)	ND		0.0196	0.000972	ng/L
PCB 6 (BZ)	0.00409	Q B J U	0.0196	0.000909	ng/L
PCB 7 (BZ)	0.00122	Q B J U	0.0196	0.000921	ng/L
PCB 8 (BZ)	0.0115	Q B J U	0.0294	0.000893	ng/L
PCB 9 (BZ)	0.00138	Q J	0.0196	0.000912	ng/L
PCB 10 (BZ)	0.00104	Q J	0.0196	0.000995	ng/L
PCB 11 (BZ)	0.0237	Q B J U	0.0294	0.000911	ng/L
PCB 12 (BZ)	0.00192	Q B C J U	0.0294	0.000907	ng/L
PCB 13 (BZ)	0.00192	Q B CI2 J U	0.0294	0.000907	ng/L
PCB 14 (BZ)	ND		0.0196	0.000781	ng/L
PCB 15 (BZ)	0.00705	Q B J U	0.0196	0.000853	ng/L
PCB 16 (BZ)	0.00578	J U	0.0196	0.00103	ng/L
PCB 17 (BZ)	0.00932	Q J	0.0196	0.000900	ng/L
PCB 18 (BZ)	0.0193	B J U	0.0294	0.000946	ng/L
PCB 19 (BZ)	0.00334	J	0.0196	0.00101	ng/L
PCB 20 (BZ)	0.0180	B C J U	0.0196	0.000372	ng/L
PCB 21 (BZ)	0.00621	B C J U	0.0196	0.000361	ng/L
PCB 22 (BZ)	0.00475	B J U	0.0196	0.000378	ng/L
PCB 23 (BZ)	ND		0.0196	0.000382	ng/L
PCB 24 (BZ)	0.000666	Q J	0.0196	0.000670	ng/L
PCB 25 (BZ)	0.00213	Q J	0.0196	0.000339	ng/L
PCB 26 (BZ)	0.00363	Q B C J U	0.0196	0.000364	ng/L
PCB 27 (BZ)	0.00267	J	0.0196	0.000614	ng/L
PCB 28 (BZ)	0.0180	B C20 J U	0.0196	0.000372	ng/L
PCB 29 (BZ)	0.00363	Q B C26 J U	0.0196	0.000364	ng/L
PCB 30 (BZ)	ND		0.0294	0.000637	ng/L
PCB 31 (BZ)	0.0150	B J U	0.0196	0.000359	ng/L
PCB 32 (BZ)	0.00534	J U	0.0196	0.000607	ng/L
PCB 33 (BZ)	0.00621	B C21 J U	0.0196	0.000361	ng/L
PCB 34 (BZ)	ND		0.0196	0.000379	ng/L
PCB 35 (BZ)	ND		0.0196	0.000386	ng/L
PCB 36 (BZ)	ND		0.0196	0.000358	ng/L

MSW 4/24/07

Shaw E & I Inc

Sample ID: OU1-07-0213

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 002	Work Order #....:	JQPA51AA	Matrix....:	WATER
Date Sampled....:	02/13/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.00281	Q B J U	0.0196	0.000376	ng/L
PCB 38 (BZ)	ND		0.0196	0.000370	ng/L
PCB 39 (BZ)	ND		0.0196	0.000347	ng/L
PCB 40 (BZ)	0.00476	Q C J U	0.0196	0.000676	ng/L
PCB 41 (BZ)	0.00102	Q J	0.0196	0.000891	ng/L
PCB 42 (BZ)	0.00309	J	0.0196	0.000750	ng/L
PCB 43 (BZ)	ND		0.0196	0.000673	ng/L
PCB 44 (BZ)	0.0312	B C U	0.0196	0.000630	ng/L
PCB 45 (BZ)	0.00576	C J U	0.0196	0.000752	ng/L
PCB 46 (BZ)	ND		0.0196	0.000913	ng/L
PCB 47 (BZ)	0.0312	B C44 U	0.0196	0.000630	ng/L
PCB 48 (BZ)	0.00225	Q J	0.0196	0.000728	ng/L
PCB 49 (BZ)	0.00914	B J	0.0196	0.000641	ng/L
PCB 50 (BZ)	0.00215	Q C J	0.0196	0.000696	ng/L
PCB 51 (BZ)	0.00576	C45 J U	0.0196	0.000752	ng/L
PCB 52 (BZ)	0.0142	B J U	0.0196	0.000696	ng/L
PCB 53 (BZ)	0.00215	Q C50 J	0.0196	0.000696	ng/L
PCB 54 (BZ)	ND		0.0196	0.00104	ng/L
PCB 55 (BZ)	ND		0.0196	0.000556	ng/L
PCB 56 (BZ)	0.00262	Q J	0.0196	0.000524	ng/L
PCB 57 (BZ)	ND		0.0196	0.000540	ng/L
PCB 58 (BZ)	ND		0.0196	0.000512	ng/L
PCB 59 (BZ)	ND		0.0196	0.000497	ng/L
PCB 60 (BZ)	0.00215	J	0.0196	0.000541	ng/L
PCB 61 (BZ)	ND		0.0196	0.000542	ng/L
PCB 62 (BZ)	ND		0.0196	0.000497	ng/L
PCB 63 (BZ)	ND		0.0196	0.000482	ng/L
PCB 64 (BZ)	0.00347	Q J	0.0196	0.000491	ng/L
PCB 65 (BZ)	0.0312	B C44 U	0.0196	0.000630	ng/L
PCB 66 (BZ)	0.00710	B J	0.0196	0.000500	ng/L
PCB 67 (BZ)	ND		0.0196	0.000501	ng/L
PCB 68 (BZ)	0.00291	Q B J U	0.0196	0.000486	ng/L
PCB 69 (BZ)	ND		0.0196	0.000546	ng/L
PCB 70 (BZ)	0.0128	B C J U	0.0196	0.000490	ng/L
PCB 71 (BZ)	0.00476	Q C40 J U	0.0196	0.000676	ng/L
PCB 72 (BZ)	ND		0.0196	0.000513	ng/L

4/24/07

Shaw E & I Inc

Sample ID: OU1-07-0213

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 002	Work Order #....:	JQPA51AA	Matrix....:	WATER
Date Sampled....:	02/13/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.0196	0.000673	ng/L
PCB 74 (BZ)	**0.0128**	**B C70 J** U	**0.0196**	**0.000490**	**ng/L**
PCB 75 (BZ)	ND		0.0196	0.000497	ng/L
PCB 76 (BZ)	**0.0128**	**B C70 J** U	**0.0196**	**0.000490**	**ng/L**
PCB 77 (BZ)	ND		0.0196	0.000519	ng/L
PCB 78 (BZ)	ND		0.0196	0.000546	ng/L
PCB 79 (BZ)	ND		0.0196	0.000470	ng/L
PCB 80 (BZ)	ND		0.0196	0.000455	ng/L
PCB 81 (BZ)	ND		0.0196	0.000507	ng/L
PCB 82 (BZ)	ND		0.0196	0.00130	ng/L
PCB 83 (BZ)	**0.00891**	**C J**	**0.0196**	**0.00101**	**ng/L**
PCB 84 (BZ)	**0.00349**	**Q J**	**0.0196**	**0.00115**	**ng/L**
PCB 85 (BZ)	**0.00261**	**Q C J**	**0.0196**	**0.000800**	**ng/L**
PCB 86 (BZ)	**0.00934**	**C J**	**0.0196**	**0.000810**	**ng/L**
PCB 87 (BZ)	**0.00934**	**C86 J**	**0.0196**	**0.000810**	**ng/L**
PCB 88 (BZ)	ND		0.0196	0.00108	ng/L
PCB 89 (BZ)	ND		0.0196	0.00109	ng/L
PCB 90 (BZ)	**0.0119**	**B C J** U	**0.0196**	**0.000792**	**ng/L**
PCB 91 (BZ)	ND		0.0196	0.000907	ng/L
PCB 92 (BZ)	ND		0.0196	0.00101	ng/L
PCB 93 (BZ)	ND		0.0196	0.00112	ng/L
PCB 94 (BZ)	ND		0.0196	0.00111	ng/L
PCB 95 (BZ)	**0.00824**	**B C J** U	**0.0196**	**0.000912**	**ng/L**
PCB 96 (BZ)	ND		0.0196	0.000773	ng/L
PCB 97 (BZ)	**0.00934**	**C86 J**	**0.0196**	**0.000810**	**ng/L**
PCB 98 (BZ)	ND		0.0196	0.000953	ng/L
PCB 99 (BZ)	**0.00891**	**C83 J**	**0.0196**	**0.00101**	**ng/L**
PCB 100 (BZ)	**0.00824**	**B C95 J** U	**0.0196**	**0.000912**	**ng/L**
PCB 101 (BZ)	**0.0119**	**B C90 J**	**0.0196**	**0.000792**	**ng/L**
PCB 102 (BZ)	ND		0.0196	0.000953	ng/L
PCB 103 (BZ)	ND		0.0196	0.000904	ng/L
PCB 104 (BZ)	ND		0.0196	0.000681	ng/L
PCB 105 (BZ)	**0.00388**	**B J** U	**0.0196**	**0.000453**	**ng/L**
PCB 106 (BZ)	ND		0.0196	0.000524	ng/L
PCB 107 (BZ)/109 (IUPAC)	**0.00126**	**Q J**	**0.0196**	**0.000511**	**ng/L**
PCB 108 (BZ)/107 (IUPAC)	ND		0.0196	0.000488	ng/L

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Shaw E & I Inc

Sample ID: OU1-07-0213

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 002	**Work Order #....:**	JQPA51AA	**Matrix....:**	WATER
Date Sampled....:	02/13/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.00934**	**C86 J**	**0.0196**	**0.000810**	**ng/L**
PCB 110 (BZ)	**0.0135**	**B C J** U	**0.0196**	**0.000688**	**ng/L**
PCB 111 (BZ)	ND		0.0196	0.000694	ng/L
PCB 112 (BZ)	ND		0.0196	0.000726	ng/L
PCB 113 (BZ)	**0.0119**	**B C90 J** U	**0.0196**	**0.000792**	**ng/L**
PCB 114 (BZ)	ND		0.0196	0.000475	ng/L
PCB 115 (BZ)	**0.0135**	**B C110 J** U	**0.0196**	**0.000688**	**ng/L**
PCB 116 (BZ)	**0.00261**	**Q C85 J**	**0.0196**	**0.000800**	**ng/L**
PCB 117 (BZ)	**0.00261**	**Q C85 J**	**0.0196**	**0.000800**	**ng/L**
PCB 118 (BZ)	**0.00733**	**B J** U	**0.0196**	**0.000477**	**ng/L**
PCB 119 (BZ)	**0.00934**	**C86 J**	**0.0196**	**0.000810**	**ng/L**
PCB 120 (BZ)	ND		0.0196	0.000657	ng/L
PCB 121 (BZ)	ND		0.0196	0.000709	ng/L
PCB 122 (BZ)	ND		0.0196	0.000524	ng/L
PCB 123 (BZ)	ND		0.0196	0.000499	ng/L
PCB 124 (BZ)	ND		0.0196	0.000488	ng/L
PCB 125 (BZ)	**0.00934**	**C86 J**	**0.0196**	**0.000810**	**ng/L**
PCB 126 (BZ)	ND		0.0196	0.000483	ng/L
PCB 127 (BZ)	ND		0.0196	0.000485	ng/L
PCB 128 (BZ)	**0.00153**	**Q J**	**0.0196**	**0.00101**	**ng/L**
PCB 129 (BZ)	**0.00850**	**Q B C J** U	**0.0196**	**0.000846**	**ng/L**
PCB 130 (BZ)	ND		0.0196	0.00110	ng/L
PCB 131 (BZ)	ND		0.0196	0.00109	ng/L
PCB 132 (BZ)	**0.00425**	**J**	**0.0196**	**0.00110**	**ng/L**
PCB 133 (BZ)	ND		0.0196	0.00101	ng/L
PCB 134 (BZ)	ND		0.0196	0.00110	ng/L
PCB 135 (BZ)	**0.00377**	**Q C J**	**0.0196**	**0.00104**	**ng/L**
PCB 136 (BZ)	ND		0.0196	0.000837	ng/L
PCB 137 (BZ)	ND		0.0196	0.000934	ng/L
PCB 138 (BZ)	**0.00850**	**Q B C129 J** U	**0.0196**	**0.000846**	**ng/L**
PCB 139 (BZ)	ND		0.0196	0.000911	ng/L
PCB 140 (BZ)	ND		0.0196	0.000911	ng/L
PCB 141 (BZ)	ND		0.0196	0.00103	ng/L
PCB 142 (BZ)	ND		0.0196	0.00106	ng/L
PCB 143 (BZ)	ND		0.0196	0.00110	ng/L
PCB 144 (BZ)	ND		0.0196	0.00107	ng/L

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Shaw E & I Inc

Sample ID: OU1-07-0213

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 002	Work Order #....:	JQPA51AA	Matrix....:	WATER
Date Sampled....:	02/13/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0196	0.000792	ng/L
PCB 146 (BZ)	0.00202	J	0.0196	0.000893	ng/L
PCB 147 (BZ)	0.00678	B C J U	0.0196	0.000905	ng/L
PCB 148 (BZ)	ND		0.0196	0.00108	ng/L
PCB 149 (BZ)	0.00678	B C147 J U	0.0196	0.000905	ng/L
PCB 150 (BZ)	ND		0.0196	0.000783	ng/L
PCB 151 (BZ)	0.00377	Q C135 J	0.0196	0.00104	ng/L
PCB 152 (BZ)	ND		0.0196	0.000790	ng/L
PCB 153 (BZ)	0.00811	B C J U	0.0196	0.000730	ng/L
PCB 154 (BZ)	0.00377	Q C135 J	0.0196	0.00104	ng/L
PCB 155 (BZ)	ND		0.0196	0.000724	ng/L
PCB 156 (BZ)	0.00128	Q C J	0.0196	0.000910	ng/L
PCB 157 (BZ)	0.00128	Q C156 J	0.0196	0.000910	ng/L
PCB 158 (BZ)	0.00120	Q J	0.0196	0.000655	ng/L
PCB 159 (BZ)	ND		0.0196	0.000723	ng/L
PCB 160 (BZ)	0.00850	Q B C129 J U	0.0196	0.000846	ng/L
PCB 161 (BZ)	ND		0.0196	0.000716	ng/L
PCB 162 (BZ)	ND		0.0196	0.000723	ng/L
PCB 163 (BZ)	0.00850	Q B C129 J U	0.0196	0.000846	ng/L
PCB 164 (BZ)	ND		0.0196	0.000755	ng/L
PCB 165 (BZ)	ND		0.0196	0.000785	ng/L
PCB 166 (BZ)	ND		0.0196	0.000708	ng/L
PCB 167 (BZ)	ND		0.0196	0.000484	ng/L
PCB 168 (BZ)	0.00811	B C153 J U	0.0196	0.000730	ng/L
PCB 169 (BZ)	ND		0.0196	0.000526	ng/L
PCB 170 (BZ)	0.00195	Q J	0.0196	0.000919	ng/L
PCB 171 (BZ)	ND		0.0196	0.000964	ng/L
PCB 172 (BZ)	ND		0.0196	0.000961	ng/L
PCB 173 (BZ)	ND		0.0196	0.000964	ng/L
PCB 174 (BZ)	0.00250	J	0.0196	0.000872	ng/L
PCB 175 (BZ)	ND		0.0196	0.000875	ng/L
PCB 176 (BZ)	ND		0.0196	0.000643	ng/L
PCB 177 (BZ)	ND		0.0196	0.000916	ng/L
PCB 178 (BZ)	ND		0.0196	0.000906	ng/L
PCB 179 (BZ)	ND		0.0196	0.000671	ng/L
PCB 180 (BZ)	0.00403	B C J U	0.0196	0.000710	ng/L

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Shaw E & I Inc

Sample ID: OU1-07-0213

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 002	Work Order #....:	JQPA51AA	Matrix....:	WATER
Date Sampled....:	02/13/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0196	0.000826	ng/L
PCB 182 (BZ)	ND		0.0196	0.000829	ng/L
PCB 183 (BZ)	ND		0.0196	0.000851	ng/L
PCB 184 (BZ)	ND		0.0196	0.000684	ng/L
PCB 185 (BZ)	ND		0.0196	0.000876	ng/L
PCB 186 (BZ)	ND		0.0196	0.000663	ng/L
PCB 187 (BZ)	**0.00337**	**Q J**	**0.0196**	**0.000798**	**ng/L**
PCB 188 (BZ)	ND		0.0196	0.000642	ng/L
PCB 189 (BZ)	ND		0.0196	0.000475	ng/L
PCB 190 (BZ)	ND		0.0196	0.000642	ng/L
PCB 191 (BZ)	ND		0.0196	0.000656	ng/L
PCB 192 (BZ)	ND		0.0196	0.000702	ng/L
PCB 193 (BZ)	**0.00403**	**B C180 J** U	**0.0196**	**0.000710**	**ng/L**
PCB 194 (BZ)	ND		0.0196	0.000713	ng/L
PCB 195 (BZ)	ND		0.0196	0.000784	ng/L
PCB 196 (BZ)	ND		0.0196	0.000993	ng/L
PCB 197 (BZ)	ND		0.0196	0.000703	ng/L
PCB 198 (BZ)	**0.00260**	**C J**	**0.0196**	**0.000981**	**ng/L**
PCB 201 (BZ)/199 (IUPAC)	**0.00260**	**C198 J**	**0.0196**	**0.000981**	**ng/L**
PCB 199 (BZ)/200 (IUPAC)	ND		0.0196	0.000724	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND		0.0196	0.000687	ng/L
PCB 202 (BZ)	ND		0.0196	0.000752	ng/L
PCB 203 (BZ)	ND		0.0196	0.000872	ng/L
PCB 204 (BZ)	ND		0.0196	0.000723	ng/L
PCB 205 (BZ)	ND		0.0196	0.000576	ng/L
PCB 206 (BZ)	ND		0.0196	0.00123	ng/L
PCB 207 (BZ)	ND		0.0196	0.000856	ng/L
PCB 208 (BZ)	ND		0.0196	0.000879	ng/L
PCB 209 (BZ)	**0.00137**	**Q J**	**0.0196**	**0.000591**	**ng/L**

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU1-07-0213

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 002	Work Order #....:	JQPA51AA	Matrix....:	WATER
Date Sampled....:	02/13/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	75		30 - 140
13C12-PCB 3	80		30 - 140
13C12-PCB 4	78		30 - 140
13C12-PCB 15	91		30 - 140
13C12-PCB 19	81		30 - 140
13C12-PCB 37	91		30 - 140
13C12-PCB 54	77		30 - 140
13C12-PCB 77	98		30 - 140
13C12-PCB 81	93		30 - 140
13C12-PCB 104	83		30 - 140
13C12-PCB 105	88		30 - 140
13C12-PCB 114	86		30 - 140
13C12-PCB 118	89		30 - 140
13C12-PCB 123	86		30 - 140
13C12-PCB 126	88		30 - 140
13C12-PCB 155	88		30 - 140
13C12-PCB 156	96	C	30 - 140
13C12-PCB 157	96	C	30 - 140
13C12-PCB 167	95		30 - 140
13C12-PCB 169	84		30 - 140
13C12-PCB 170	95		30 - 140
13C12-PCB 188	83		30 - 140
13C12-PCB 189	94		30 - 140
13C12-PCB 202	87		30 - 140
13C12-PCB 205	89		30 - 140
13C12-PCB 206	86		30 - 140
13C12-PCB 208	92		30 - 140
13C12-PCB 209	83		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	91	40 - 125
13C12-PCB 111	101	40 - 125
13C12-PCB 178	86	40 - 125

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Shaw E & I Inc

Sample ID: OU1-07-0213

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 002	**Work Order #....:**	JQPA51AA	**Matrix....:**	WATER
Date Sampled....:	02/13/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

MAW 7/24/07

Shaw E & I Inc

Sample ID: OU2A-07-0213

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 003	Work Order #....:	JQPA71AA	Matrix....:	WATER
Date Sampled....:	02/13/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.00269	J	0.0196	0.000248	ng/L
PCB 2 (BZ)	ND		0.0196	0.000251	ng/L
PCB 3 (BZ)	0.000835	Q J	0.0196	0.000226	ng/L
PCB 4 (BZ)	0.0142	Q B J U	0.0294	0.00149	ng/L
PCB 5 (BZ)	ND		0.0196	0.00101	ng/L
PCB 6 (BZ)	0.00501	Q B J U	0.0196	0.000940	ng/L
PCB 7 (BZ)	0.00192	Q B J U	0.0196	0.000953	ng/L
PCB 8 (BZ)	0.0100	B J U	0.0294	0.000923	ng/L
PCB 9 (BZ)	0.00153	Q J	0.0196	0.000944	ng/L
PCB 10 (BZ)	0.00106	Q J	0.0196	0.00103	ng/L
PCB 11 (BZ)	0.0232	B J U	0.0294	0.000942	ng/L
PCB 12 (BZ)	0.00137	Q B C J U	0.0294	0.000938	ng/L
PCB 13 (BZ)	0.00137	Q B C12 J U	0.0294	0.000938	ng/L
PCB 14 (BZ)	ND		0.0196	0.000808	ng/L
PCB 15 (BZ)	0.00619	Q B J U	0.0196	0.000888	ng/L
PCB 16 (BZ)	0.00652	J U	0.0196	0.00101	ng/L
PCB 17 (BZ)	0.0113	Q J	0.0196	0.000883	ng/L
PCB 18 (BZ)	0.0217	B J U	0.0294	0.000927	ng/L
PCB 19 (BZ)	0.00389	Q J	0.0196	0.000994	ng/L
PCB 20 (BZ)	0.0177	B C J U	0.0196	0.000395	ng/L
PCB 21 (BZ)	0.00638	Q B C J U	0.0196	0.000383	ng/L
PCB 22 (BZ)	0.00373	Q B J U	0.0196	0.000401	ng/L
PCB 23 (BZ)	ND		0.0196	0.000405	ng/L
PCB 24 (BZ)	ND		0.0196	0.000657	ng/L
PCB 25 (BZ)	0.00266	J	0.0196	0.000359	ng/L
PCB 26 (BZ)	0.00595	B C J	0.0196	0.000387	ng/L
PCB 27 (BZ)	0.00260	Q J	0.0196	0.000602	ng/L
PCB 28 (BZ)	0.0177	B C20 J	0.0196	0.000395	ng/L
PCB 29 (BZ)	0.00595	B C26 J U	0.0196	0.000387	ng/L
PCB 30 (BZ)	ND		0.0294	0.000624	ng/L
PCB 31 (BZ)	0.0165	B J	0.0196	0.000380	ng/L
PCB 32 (BZ)	0.00698	J U	0.0196	0.000595	ng/L
PCB 33 (BZ)	0.00638	Q B C21 J U	0.0196	0.000383	ng/L
PCB 34 (BZ)	ND		0.0196	0.000402	ng/L
PCB 35 (BZ)	ND		0.0196	0.000409	ng/L
PCB 36 (BZ)	ND		0.0196	0.000380	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU2A-07-0213

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 003	Work Order #....:	JQPA71AA	Matrix....:	WATER
Date Sampled....:	02/13/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.00277	B J U	0.0196	0.000399	ng/L
PCB 38 (BZ)	ND		0.0196	0.000392	ng/L
PCB 39 (BZ)	ND		0.0196	0.000368	ng/L
PCB 40 (BZ)	0.00639	Q C J U	0.0196	0.000650	ng/L
PCB 41 (BZ)	ND		0.0196	0.000856	ng/L
PCB 42 (BZ)	0.00346	Q J	0.0196	0.000721	ng/L
PCB 43 (BZ)	ND		0.0196	0.000647	ng/L
PCB 44 (BZ)	0.0316	B C U	0.0196	0.000605	ng/L
PCB 45 (BZ)	0.00512	Q C J U	0.0196	0.000723	ng/L
PCB 46 (BZ)	ND		0.0196	0.000877	ng/L
PCB 47 (BZ)	0.0316	B C44 U	0.0196	0.000605	ng/L
PCB 48 (BZ)	0.00202	J	0.0196	0.000699	ng/L
PCB 49 (BZ)	0.0115	B J	0.0196	0.000616	ng/L
PCB 50 (BZ)	0.00286	Q C J	0.0196	0.000668	ng/L
PCB 51 (BZ)	0.00512	Q C45 J U	0.0196	0.000723	ng/L
PCB 52 (BZ)	0.0179	B J U	0.0196	0.000669	ng/L
PCB 53 (BZ)	0.00286	Q C50 J	0.0196	0.000668	ng/L
PCB 54 (BZ)	ND		0.0196	0.000913	ng/L
PCB 55 (BZ)	ND		0.0196	0.000534	ng/L
PCB 56 (BZ)	0.00356	J	0.0196	0.000503	ng/L
PCB 57 (BZ)	ND		0.0196	0.000519	ng/L
PCB 58 (BZ)	ND		0.0196	0.000492	ng/L
PCB 59 (BZ)	0.00143	Q C J	0.0196	0.000478	ng/L
PCB 60 (BZ)	0.00247	J	0.0196	0.000520	ng/L
PCB 61 (BZ)	ND		0.0196	0.000520	ng/L
PCB 62 (BZ)	0.00143	Q C59 J	0.0196	0.000478	ng/L
PCB 63 (BZ)	0.00108	J	0.0196	0.000463	ng/L
PCB 64 (BZ)	0.00497	J	0.0196	0.000472	ng/L
PCB 65 (BZ)	0.0316	B C44 U	0.0196	0.000605	ng/L
PCB 66 (BZ)	0.00847	B J U	0.0196	0.000480	ng/L
PCB 67 (BZ)	ND		0.0196	0.000482	ng/L
PCB 68 (BZ)	0.00398	B J U	0.0196	0.000467	ng/L
PCB 69 (BZ)	ND		0.0196	0.000525	ng/L
PCB 70 (BZ)	0.0156	B C J U	0.0196	0.000470	ng/L
PCB 71 (BZ)	0.00639	Q C40 J U	0.0196	0.000650	ng/L
PCB 72 (BZ)	ND		0.0196	0.000493	ng/L

MSW 4/24/07

Shaw E & I Inc

Sample ID: OU2A-07-0213

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 003	Work Order #....:	JQPA71AA	Matrix....:	WATER
Date Sampled....:	02/13/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.0196	0.000647	ng/L
PCB 74 (BZ)	0.0156	B C70 J U	0.0196	0.000470	ng/L
PCB 75 (BZ)	0.00143	Q C59 J	0.0196	0.000478	ng/L
PCB 76 (BZ)	0.0156	B C70 J U	0.0196	0.000470	ng/L
PCB 77 (BZ)	ND		0.0196	0.000506	ng/L
PCB 78 (BZ)	ND		0.0196	0.000524	ng/L
PCB 79 (BZ)	ND		0.0196	0.000452	ng/L
PCB 80 (BZ)	ND		0.0196	0.000437	ng/L
PCB 81 (BZ)	ND		0.0196	0.000480	ng/L
PCB 82 (BZ)	ND		0.0196	0.00129	ng/L
PCB 83 (BZ)	0.0103	C J	0.0196	0.00100	ng/L
PCB 84 (BZ)	0.00426	Q J	0.0196	0.00114	ng/L
PCB 85 (BZ)	0.00246	Q C J	0.0196	0.000794	ng/L
PCB 86 (BZ)	0.00782	Q C J	0.0196	0.000804	ng/L
PCB 87 (BZ)	0.00782	Q C86 J	0.0196	0.000804	ng/L
PCB 88 (BZ)	ND		0.0196	0.00108	ng/L
PCB 89 (BZ)	ND		0.0196	0.00108	ng/L
PCB 90 (BZ)	0.0120	B C J U	0.0196	0.000786	ng/L
PCB 91 (BZ)	0.00203	Q J	0.0196	0.000900	ng/L
PCB 92 (BZ)	0.00304	J	0.0196	0.00101	ng/L
PCB 93 (BZ)	ND		0.0196	0.00111	ng/L
PCB 94 (BZ)	ND		0.0196	0.00111	ng/L
PCB 95 (BZ)	0.00893	B C J U	0.0196	0.000905	ng/L
PCB 96 (BZ)	ND		0.0196	0.000767	ng/L
PCB 97 (BZ)	0.00782	Q C86 J	0.0196	0.000804	ng/L
PCB 98 (BZ)	ND		0.0196	0.000946	ng/L
PCB 99 (BZ)	0.0103	C83 J	0.0196	0.00100	ng/L
PCB 100 (BZ)	0.00893	B C95 J U	0.0196	0.000905	ng/L
PCB 101 (BZ)	0.0120	B C90 J U	0.0196	0.000786	ng/L
PCB 102 (BZ)	ND		0.0196	0.000946	ng/L
PCB 103 (BZ)	ND		0.0196	0.000897	ng/L
PCB 104 (BZ)	ND		0.0196	0.000676	ng/L
PCB 105 (BZ)	0.00375	B J U	0.0196	0.000409	ng/L
PCB 106 (BZ)	ND		0.0196	0.000506	ng/L
PCB 107 (BZ)/109 (IUPAC)	ND		0.0196	0.000493	ng/L
PCB 108 (BZ)/107 (IUPAC)	ND		0.0196	0.000471	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU2A-07-0213

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 003	**Work Order #....:**	JQPA71AA	**Matrix....:**	WATER
Date Sampled....:	02/13/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.00782**	**Q C86 J**	**0.0196**	**0.000804**	**ng/L**
PCB 110 (BZ)	**0.0134**	**B C J U**	**0.0196**	**0.000683**	**ng/L**
PCB 111 (BZ)	ND		0.0196	0.000689	ng/L
PCB 112 (BZ)	ND		0.0196	0.000721	ng/L
PCB 113 (BZ)	**0.0120**	**B C90 J U**	**0.0196**	**0.000786**	**ng/L**
PCB 114 (BZ)	ND		0.0196	0.000467	ng/L
PCB 115 (BZ)	**0.0134**	**B C110 J U**	**0.0196**	**0.000683**	**ng/L**
PCB 116 (BZ)	**0.00246**	**Q C85 J**	**0.0196**	**0.000794**	**ng/L**
PCB 117 (BZ)	**0.00246**	**Q C85 J**	**0.0196**	**0.000794**	**ng/L**
PCB 118 (BZ)	**0.00968**	**B J U**	**0.0196**	**0.000469**	**ng/L**
PCB 119 (BZ)	**0.00782**	**Q C86 J**	**0.0196**	**0.000804**	**ng/L**
PCB 120 (BZ)	ND		0.0196	0.000652	ng/L
PCB 121 (BZ)	ND		0.0196	0.000704	ng/L
PCB 122 (BZ)	ND		0.0196	0.000505	ng/L
PCB 123 (BZ)	ND		0.0196	0.000486	ng/L
PCB 124 (BZ)	ND		0.0196	0.000471	ng/L
PCB 125 (BZ)	**0.00782**	**Q C86 J**	**0.0196**	**0.000804**	**ng/L**
PCB 126 (BZ)	ND		0.0196	0.000477	ng/L
PCB 127 (BZ)	ND		0.0196	0.000468	ng/L
PCB 128 (BZ)	ND		0.0196	0.00105	ng/L
PCB 129 (BZ)	**0.00967**	**Q B C J U**	**0.0196**	**0.000878**	**ng/L**
PCB 130 (BZ)	ND		0.0196	0.00114	ng/L
PCB 131 (BZ)	ND		0.0196	0.00113	ng/L
PCB 132 (BZ)	**0.00388**	**J**	**0.0196**	**0.00114**	**ng/L**
PCB 133 (BZ)	ND		0.0196	0.00105	ng/L
PCB 134 (BZ)	ND		0.0196	0.00114	ng/L
PCB 135 (BZ)	**0.00351**	**Q C J**	**0.0196**	**0.00107**	**ng/L**
PCB 136 (BZ)	**0.00215**	**Q J**	**0.0196**	**0.000866**	**ng/L**
PCB 137 (BZ)	ND		0.0196	0.000970	ng/L
PCB 138 (BZ)	**0.00967**	**Q B C129 J U**	**0.0196**	**0.000878**	**ng/L**
PCB 139 (BZ)	ND		0.0196	0.000946	ng/L
PCB 140 (BZ)	ND		0.0196	0.000946	ng/L
PCB 141 (BZ)	**0.00260**	**J**	**0.0196**	**0.00107**	**ng/L**
PCB 142 (BZ)	ND		0.0196	0.00110	ng/L
PCB 143 (BZ)	ND		0.0196	0.00114	ng/L
PCB 144 (BZ)	ND		0.0196	0.00110	ng/L

MLW 4/24/07

Shaw E & I Inc

Sample ID: OU2A-07-0213

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 003	**Work Order #....:**	JQPA71AA	**Matrix....:**	WATER
Date Sampled....:	02/13/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0196	0.000820	ng/L
PCB 146 (BZ)	**0.00174**	**Q J**	**0.0196**	**0.000927**	**ng/L**
PCB 147 (BZ)	**0.00738**	**B C J U**	**0.0196**	**0.000940**	**ng/L**
PCB 148 (BZ)	ND		0.0196	0.00112	ng/L
PCB 149 (BZ)	**0.00738**	**B C147 J U**	**0.0196**	**0.000940**	**ng/L**
PCB 150 (BZ)	ND		0.0196	0.000811	ng/L
PCB 151 (BZ)	**0.00351**	**Q C135 J**	**0.0196**	**0.00107**	**ng/L**
PCB 152 (BZ)	ND		0.0196	0.000818	ng/L
PCB 153 (BZ)	**0.00883**	**B C J U**	**0.0196**	**0.000758**	**ng/L**
PCB 154 (BZ)	**0.00351**	**Q C135 J**	**0.0196**	**0.00107**	**ng/L**
PCB 155 (BZ)	ND		0.0196	0.000749	ng/L
PCB 156 (BZ)	**0.00188**	**C J**	**0.0196**	**0.000942**	**ng/L**
PCB 157 (BZ)	**0.00188**	**C156 J**	**0.0196**	**0.000942**	**ng/L**
PCB 158 (BZ)	**0.00147**	**J**	**0.0196**	**0.000680**	**ng/L**
PCB 159 (BZ)	ND		0.0196	0.000750	ng/L
PCB 160 (BZ)	**0.00967**	**Q B C129 J U**	**0.0196**	**0.000878**	**ng/L**
PCB 161 (BZ)	ND		0.0196	0.000743	ng/L
PCB 162 (BZ)	ND		0.0196	0.000751	ng/L
PCB 163 (BZ)	**0.00967**	**Q B C129 J U**	**0.0196**	**0.000878**	**ng/L**
PCB 164 (BZ)	ND		0.0196	0.000784	ng/L
PCB 165 (BZ)	ND		0.0196	0.000816	ng/L
PCB 166 (BZ)	ND		0.0196	0.000735	ng/L
PCB 167 (BZ)	ND		0.0196	0.000523	ng/L
PCB 168 (BZ)	**0.00883**	**B C153 J U**	**0.0196**	**0.000758**	**ng/L**
PCB 169 (BZ)	ND		0.0196	0.000523	ng/L
PCB 170 (BZ)	**0.00213**	**Q J**	**0.0196**	**0.000931**	**ng/L**
PCB 171 (BZ)	ND		0.0196	0.000971	ng/L
PCB 172 (BZ)	ND		0.0196	0.000967	ng/L
PCB 173 (BZ)	ND		0.0196	0.000971	ng/L
PCB 174 (BZ)	**0.00240**	**Q J**	**0.0196**	**0.000877**	**ng/L**
PCB 175 (BZ)	ND		0.0196	0.000881	ng/L
PCB 176 (BZ)	ND		0.0196	0.000647	ng/L
PCB 177 (BZ)	ND		0.0196	0.000922	ng/L
PCB 178 (BZ)	ND		0.0196	0.000911	ng/L
PCB 179 (BZ)	ND		0.0196	0.000676	ng/L
PCB 180 (BZ)	**0.00534**	**B C J U**	**0.0196**	**0.000715**	**ng/L**

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU2A-07-0213

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 003	Work Order #....:	JQPA71AA	Matrix....:	WATER
Date Sampled....:	02/13/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0196	0.000832	ng/L
PCB 182 (BZ)	ND		0.0196	0.000834	ng/L
PCB 183 (BZ)	ND		0.0196	0.000857	ng/L
PCB 184 (BZ)	ND		0.0196	0.000688	ng/L
PCB 185 (BZ)	ND		0.0196	0.000882	ng/L
PCB 186 (BZ)	ND		0.0196	0.000668	ng/L
PCB 187 (BZ)	**0.00332**	**J**	**0.0196**	**0.000803**	**ng/L**
PCB 188 (BZ)	ND		0.0196	0.000644	ng/L
PCB 189 (BZ)	ND		0.0196	0.000444	ng/L
PCB 190 (BZ)	ND		0.0196	0.000647	ng/L
PCB 191 (BZ)	ND		0.0196	0.000660	ng/L
PCB 192 (BZ)	ND		0.0196	0.000707	ng/L
PCB 193 (BZ)	**0.00534**	**B C180 J U**	**0.0196**	**0.000715**	**ng/L**
PCB 194 (BZ)	ND		0.0196	0.000712	ng/L
PCB 195 (BZ)	ND		0.0196	0.000784	ng/L
PCB 196 (BZ)	ND		0.0196	0.00108	ng/L
PCB 197 (BZ)	ND		0.0196	0.000768	ng/L
PCB 198 (BZ)	ND		0.0196	0.00107	ng/L
PCB 201 (BZ)/199 (IUPAC)	ND		0.0196	0.00107	ng/L
PCB 199 (BZ)/200 (IUPAC)	ND		0.0196	0.000790	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND		0.0196	0.000750	ng/L
PCB 202 (BZ)	ND		0.0196	0.000821	ng/L
PCB 203 (BZ)	**0.00157**	**J**	**0.0196**	**0.000952**	**ng/L**
PCB 204 (BZ)	ND		0.0196	0.000789	ng/L
PCB 205 (BZ)	ND		0.0196	0.000575	ng/L
PCB 206 (BZ)	ND		0.0196	0.00108	ng/L
PCB 207 (BZ)	ND		0.0196	0.000772	ng/L
PCB 208 (BZ)	ND		0.0196	0.000807	ng/L
PCB 209 (BZ)	ND		0.0196	0.000663	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU2A-07-0213

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 003	**Work Order #....:**	JQPA71AA	**Matrix....:**	WATER
Date Sampled....:	02/13/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	74		30 - 140
13C12-PCB 3	80		30 - 140
13C12-PCB 4	79		30 - 140
13C12-PCB 15	94		30 - 140
13C12-PCB 19	80		30 - 140
13C12-PCB 37	88		30 - 140
13C12-PCB 54	76		30 - 140
13C12-PCB 77	93		30 - 140
13C12-PCB 81	91		30 - 140
13C12-PCB 104	81		30 - 140
13C12-PCB 105	90		30 - 140
13C12-PCB 114	84		30 - 140
13C12-PCB 118	87		30 - 140
13C12-PCB 123	84		30 - 140
13C12-PCB 126	87		30 - 140
13C12-PCB 155	87		30 - 140
13C12-PCB 156	94	C	30 - 140
13C12-PCB 157	94	C	30 - 140
13C12-PCB 167	92		30 - 140
13C12-PCB 169	80		30 - 140
13C12-PCB 170	88		30 - 140
13C12-PCB 188	78		30 - 140
13C12-PCB 189	96		30 - 140
13C12-PCB 202	83		30 - 140
13C12-PCB 205	96		30 - 140
13C12-PCB 206	91		30 - 140
13C12-PCB 208	96		30 - 140
13C12-PCB 209	87		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	87	40 - 125
13C12-PCB 111	98	40 - 125
13C12-PCB 178	81	40 - 125

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU2A-07-0213

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 003	**Work Order #....:**	JQPA71AA	**Matrix....:**	WATER
Date Sampled....:	02/13/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU2B-07-0214

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 004	**Work Order #....:**	JQPA91AA	**Matrix....:**	WATER
Date Sampled....:	02/14/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.0196	0.000338	ng/L
PCB 2 (BZ)	ND		0.0196	0.000356	ng/L
PCB 3 (BZ)	ND		0.0196	0.000335	ng/L
PCB 4 (BZ)	**0.0142**	**Q B J U**	**0.0294**	**0.00225**	**ng/L**
PCB 5 (BZ)	ND		0.0196	0.00163	ng/L
PCB 6 (BZ)	**0.00486**	**Q B J U**	**0.0196**	**0.00153**	**ng/L**
PCB 7 (BZ)	**0.00168**	**Q B J U**	**0.0196**	**0.00155**	**ng/L**
PCB 8 (BZ)	**0.0118**	**Q B J U**	**0.0294**	**0.00150**	**ng/L**
PCB 9 (BZ)	**0.00126**	**Q J**	**0.0196**	**0.00153**	**ng/L**
PCB 10 (BZ)	ND		0.0196	0.00167	ng/L
PCB 11 (BZ)	**0.0233**	**Q B J U**	**0.0294**	**0.00153**	**ng/L**
PCB 12 (BZ)	ND		0.0294	0.00152	ng/L
PCB 13 (BZ)	ND		0.0294	0.00152	ng/L
PCB 14 (BZ)	ND		0.0196	0.00131	ng/L
PCB 15 (BZ)	**0.00791**	**Q B J U**	**0.0196**	**0.00151**	**ng/L**
PCB 16 (BZ)	**0.00753**	**Q J U**	**0.0196**	**0.00159**	**ng/L**
PCB 17 (BZ)	**0.0161**	**Q J**	**0.0196**	**0.00139**	**ng/L**
PCB 18 (BZ)	**0.0270**	**B J U**	**0.0294**	**0.00146**	**ng/L**
PCB 19 (BZ)	**0.00472**	**Q J**	**0.0196**	**0.00157**	**ng/L**
PCB 20 (BZ)	**0.0244**	**B C U**	**0.0196**	**0.000681**	**ng/L**
PCB 21 (BZ)	**0.00782**	**B C J U**	**0.0196**	**0.000661**	**ng/L**
PCB 22 (BZ)	**0.00580**	**Q B J U**	**0.0196**	**0.000692**	**ng/L**
PCB 23 (BZ)	ND		0.0196	0.000698	ng/L
PCB 24 (BZ)	ND		0.0196	0.00103	ng/L
PCB 25 (BZ)	**0.00384**	**J**	**0.0196**	**0.000619**	**ng/L**
PCB 26 (BZ)	**0.00638**	**B C J**	**0.0196**	**0.000666**	**ng/L**
PCB 27 (BZ)	**0.00409**	**Q J**	**0.0196**	**0.000948**	**ng/L**
PCB 28 (BZ)	**0.0244**	**B C20 U**	**0.0196**	**0.000681**	**ng/L**
PCB 29 (BZ)	**0.00638**	**B C26 J**	**0.0196**	**0.000666**	**ng/L**
PCB 30 (BZ)	ND		0.0294	0.000984	ng/L
PCB 31 (BZ)	**0.0211**	**B**	**0.0196**	**0.000656**	**ng/L**
PCB 32 (BZ)	**0.00707**	**Q J U**	**0.0196**	**0.000938**	**ng/L**
PCB 33 (BZ)	**0.00782**	**B C21 J U**	**0.0196**	**0.000661**	**ng/L**
PCB 34 (BZ)	ND		0.0196	0.000693	ng/L
PCB 35 (BZ)	ND		0.0196	0.000705	ng/L
PCB 36 (BZ)	ND		0.0196	0.000655	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU2B-07-0214

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 004	Work Order #....:	JQPA91AA	Matrix....:	WATER
Date Sampled....:	02/14/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.00430	B J	0.0196	0.000688	ng/L
PCB 38 (BZ)	ND		0.0196	0.000676	ng/L
PCB 39 (BZ)	ND		0.0196	0.000634	ng/L
PCB 40 (BZ)	0.00889	Q C J U	0.0196	0.00115	ng/L
PCB 41 (BZ)	ND		0.0196	0.00151	ng/L
PCB 42 (BZ)	0.00543	J	0.0196	0.00127	ng/L
PCB 43 (BZ)	ND		0.0196	0.00114	ng/L
PCB 44 (BZ)	0.0239	B C U	0.0196	0.00107	ng/L
PCB 45 (BZ)	0.00620	C J U	0.0196	0.00128	ng/L
PCB 46 (BZ)	ND		0.0196	0.00155	ng/L
PCB 47 (BZ)	0.0239	B C44 U	0.0196	0.00107	ng/L
PCB 48 (BZ)	0.00270	Q J	0.0196	0.00124	ng/L
PCB 49 (BZ)	0.0143	B J	0.0196	0.00109	ng/L
PCB 50 (BZ)	0.00434	C J	0.0196	0.00118	ng/L
PCB 51 (BZ)	0.00620	C45 J U	0.0196	0.00128	ng/L
PCB 52 (BZ)	0.0194	B J U	0.0196	0.00118	ng/L
PCB 53 (BZ)	0.00434	C50 J	0.0196	0.00118	ng/L
PCB 54 (BZ)	ND		0.0196	0.00157	ng/L
PCB 55 (BZ)	ND		0.0196	0.000943	ng/L
PCB 56 (BZ)	0.00475	Q J	0.0196	0.000889	ng/L
PCB 57 (BZ)	ND		0.0196	0.000916	ng/L
PCB 58 (BZ)	ND		0.0196	0.000869	ng/L
PCB 59 (BZ)	0.00199	C J	0.0196	0.000844	ng/L
PCB 60 (BZ)	0.00183	Q J	0.0196	0.000919	ng/L
PCB 61 (BZ)	ND		0.0196	0.000919	ng/L
PCB 62 (BZ)	0.00199	C59 J	0.0196	0.000844	ng/L
PCB 63 (BZ)	ND		0.0196	0.000817	ng/L
PCB 64 (BZ)	0.00588	Q J	0.0196	0.000833	ng/L
PCB 65 (BZ)	0.0239	B C44 U	0.0196	0.00107	ng/L
PCB 66 (BZ)	0.00972	B J	0.0196	0.000849	ng/L
PCB 67 (BZ)	ND		0.0196	0.000851	ng/L
PCB 68 (BZ)	0.00203	B J U	0.0196	0.000824	ng/L
PCB 69 (BZ)	ND		0.0196	0.000927	ng/L
PCB 70 (BZ)	0.0175	B C J	0.0196	0.000831	ng/L
PCB 71 (BZ)	0.00889	Q C40 J U	0.0196	0.00115	ng/L
PCB 72 (BZ)	ND		0.0196	0.000870	ng/L

MLW 4/24/07

Shaw E & I Inc

Sample ID: OU2B-07-0214

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 004	Work Order #....:	JQPA91AA	Matrix....:	WATER
Date Sampled....:	02/14/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.0196	0.00114	ng/L
PCB 74 (BZ)	**0.0175**	**B C70 J**	**0.0196**	**0.000831**	**ng/L**
PCB 75 (BZ)	**0.00199**	**C59 J**	**0.0196**	**0.000844**	**ng/L**
PCB 76 (BZ)	**0.0175**	**B C70 J**	**0.0196**	**0.000831**	**ng/L**
PCB 77 (BZ)	ND		0.0196	0.000899	ng/L
PCB 78 (BZ)	ND		0.0196	0.000926	ng/L
PCB 79 (BZ)	ND		0.0196	0.000798	ng/L
PCB 80 (BZ)	ND		0.0196	0.000773	ng/L
PCB 81 (BZ)	ND		0.0196	0.000843	ng/L
PCB 82 (BZ)	ND		0.0196	0.00222	ng/L
PCB 83 (BZ)	**0.00607**	**Q C J**	**0.0196**	**0.00173**	**ng/L**
PCB 84 (BZ)	**0.00586**	**Q J**	**0.0196**	**0.00197**	**ng/L**
PCB 85 (BZ)	**0.00197**	**Q C J**	**0.0196**	**0.00137**	**ng/L**
PCB 86 (BZ)	**0.00736**	**Q C J**	**0.0196**	**0.00139**	**ng/L**
PCB 87 (BZ)	**0.00736**	**Q C86 J**	**0.0196**	**0.00139**	**ng/L**
PCB 88 (BZ)	ND		0.0196	0.00186	ng/L
PCB 89 (BZ)	ND		0.0196	0.00187	ng/L
PCB 90 (BZ)	**0.0125**	**B C J U**	**0.0196**	**0.00136**	**ng/L**
PCB 91 (BZ)	ND		0.0196	0.00155	ng/L
PCB 92 (BZ)	ND		0.0196	0.00174	ng/L
PCB 93 (BZ)	ND		0.0196	0.00191	ng/L
PCB 94 (BZ)	ND		0.0196	0.00191	ng/L
PCB 95 (BZ)	**0.0108**	**B C J U**	**0.0196**	**0.00156**	**ng/L**
PCB 96 (BZ)	ND		0.0196	0.00132	ng/L
PCB 97 (BZ)	**0.00736**	**Q C86 J**	**0.0196**	**0.00139**	**ng/L**
PCB 98 (BZ)	ND		0.0196	0.00163	ng/L
PCB 99 (BZ)	**0.00607**	**Q C83 J**	**0.0196**	**0.00173**	**ng/L**
PCB 100 (BZ)	**0.0108**	**B C95 J U**	**0.0196**	**0.00156**	**ng/L**
PCB 101 (BZ)	**0.0125**	**B C90 J U**	**0.0196**	**0.00136**	**ng/L**
PCB 102 (BZ)	ND		0.0196	0.00163	ng/L
PCB 103 (BZ)	ND		0.0196	0.00155	ng/L
PCB 104 (BZ)	ND		0.0196	0.00117	ng/L
PCB 105 (BZ)	**0.00342**	**Q B J U**	**0.0196**	**0.000821**	**ng/L**
PCB 106 (BZ)	ND		0.0196	0.000926	ng/L
PCB 107 (BZ)/109 (IUPAC)	**0.00117**	**Q J**	**0.0196**	**0.000901**	**ng/L**
PCB 108 (BZ)/107 (IUPAC)	ND		0.0196	0.000862	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU2B-07-0214

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 004	**Work Order #....:**	JQPA91AA	**Matrix....:**	WATER
Date Sampled....:	02/14/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.00736**	**Q C86 J**	**0.0196**	**0.00139**	**ng/L**
PCB 110 (BZ)	**0.0135**	**B C J U**	**0.0196**	**0.00118**	**ng/L**
PCB 111 (BZ)	ND		0.0196	0.00119	ng/L
PCB 112 (BZ)	ND		0.0196	0.00124	ng/L
PCB 113 (BZ)	**0.0125**	**B C90 J U**	**0.0196**	**0.00136**	**ng/L**
PCB 114 (BZ)	ND		0.0196	0.000834	ng/L
PCB 115 (BZ)	**0.0135**	**B C110 J U**	**0.0196**	**0.00118**	**ng/L**
PCB 116 (BZ)	**0.00197**	**Q C85 J**	**0.0196**	**0.00137**	**ng/L**
PCB 117 (BZ)	**0.00197**	**Q C85 J**	**0.0196**	**0.00137**	**ng/L**
PCB 118 (BZ)	**0.00740**	**Q B J U**	**0.0196**	**0.000838**	**ng/L**
PCB 119 (BZ)	**0.00736**	**Q C86 J**	**0.0196**	**0.00139**	**ng/L**
PCB 120 (BZ)	ND		0.0196	0.00113	ng/L
PCB 121 (BZ)	ND		0.0196	0.00121	ng/L
PCB 122 (BZ)	ND		0.0196	0.000924	ng/L
PCB 123 (BZ)	ND		0.0196	0.000886	ng/L
PCB 124 (BZ)	ND		0.0196	0.000862	ng/L
PCB 125 (BZ)	**0.00736**	**Q C86 J**	**0.0196**	**0.00139**	**ng/L**
PCB 126 (BZ)	ND		0.0196	0.000835	ng/L
PCB 127 (BZ)	ND		0.0196	0.000856	ng/L
PCB 128 (BZ)	ND		0.0196	0.00185	ng/L
PCB 129 (BZ)	**0.00922**	**B C J U**	**0.0196**	**0.00154**	**ng/L**
PCB 130 (BZ)	ND		0.0196	0.00201	ng/L
PCB 131 (BZ)	ND		0.0196	0.00199	ng/L
PCB 132 (BZ)	ND		0.0196	0.00200	ng/L
PCB 133 (BZ)	ND		0.0196	0.00185	ng/L
PCB 134 (BZ)	ND		0.0196	0.00200	ng/L
PCB 135 (BZ)	ND		0.0196	0.00192	ng/L
PCB 136 (BZ)	ND		0.0196	0.00155	ng/L
PCB 137 (BZ)	ND		0.0196	0.00170	ng/L
PCB 138 (BZ)	**0.00922**	**B C129 J U**	**0.0196**	**0.00154**	**ng/L**
PCB 139 (BZ)	ND		0.0196	0.00166	ng/L
PCB 140 (BZ)	ND		0.0196	0.00166	ng/L
PCB 141 (BZ)	ND		0.0196	0.00188	ng/L
PCB 142 (BZ)	ND		0.0196	0.00194	ng/L
PCB 143 (BZ)	ND		0.0196	0.00200	ng/L
PCB 144 (BZ)	ND		0.0196	0.00197	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU2B-07-0214

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 004	**Work Order #....:**	JQPA91AA	**Matrix....:**	WATER
Date Sampled....:	02/14/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0196	0.00147	ng/L
PCB 146 (BZ)	ND		0.0196	0.00163	ng/L
PCB 147 (BZ)	**0.00509**	**Q B C J U**	**0.0196**	**0.00165**	**ng/L**
PCB 148 (BZ)	ND		0.0196	0.00200	ng/L
PCB 149 (BZ)	**0.00509**	**Q B C147 J U**	**0.0196**	**0.00165**	**ng/L**
PCB 150 (BZ)	ND		0.0196	0.00145	ng/L
PCB 151 (BZ)	ND		0.0196	0.00192	ng/L
PCB 152 (BZ)	ND		0.0196	0.00146	ng/L
PCB 153 (BZ)	**0.00734**	**B C J U**	**0.0196**	**0.00133**	**ng/L**
PCB 154 (BZ)	ND		0.0196	0.00192	ng/L
PCB 155 (BZ)	ND		0.0196	0.00134	ng/L
PCB 156 (BZ)	ND		0.0196	0.00174	ng/L
PCB 157 (BZ)	ND		0.0196	0.00174	ng/L
PCB 158 (BZ)	ND		0.0196	0.00119	ng/L
PCB 159 (BZ)	ND		0.0196	0.00132	ng/L
PCB 160 (BZ)	**0.00922**	**B C129 J U**	**0.0196**	**0.00154**	**ng/L**
PCB 161 (BZ)	ND		0.0196	0.00131	ng/L
PCB 162 (BZ)	ND		0.0196	0.00132	ng/L
PCB 163 (BZ)	**0.00922**	**B C129 J U**	**0.0196**	**0.00154**	**ng/L**
PCB 164 (BZ)	ND		0.0196	0.00138	ng/L
PCB 165 (BZ)	ND		0.0196	0.00143	ng/L
PCB 166 (BZ)	ND		0.0196	0.00129	ng/L
PCB 167 (BZ)	ND		0.0196	0.000913	ng/L
PCB 168 (BZ)	**0.00734**	**B C153 J U**	**0.0196**	**0.00133**	**ng/L**
PCB 169 (BZ)	ND		0.0196	0.000871	ng/L
PCB 170 (BZ)	ND		0.0196	0.00155	ng/L
PCB 171 (BZ)	ND		0.0196	0.00168	ng/L
PCB 172 (BZ)	ND		0.0196	0.00168	ng/L
PCB 173 (BZ)	ND		0.0196	0.00168	ng/L
PCB 174 (BZ)	ND		0.0196	0.00152	ng/L
PCB 175 (BZ)	ND		0.0196	0.00153	ng/L
PCB 176 (BZ)	ND		0.0196	0.00112	ng/L
PCB 177 (BZ)	ND		0.0196	0.00160	ng/L
PCB 178 (BZ)	ND		0.0196	0.00158	ng/L
PCB 179 (BZ)	ND		0.0196	0.00117	ng/L
PCB 180 (BZ)	ND		0.0196	0.00124	ng/L

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Shaw E & I Inc

Sample ID: OU2B-07-0214

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 004	**Work Order #....:**	JQPA91AA	**Matrix....:**	WATER
Date Sampled....:	02/14/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0196	0.00144	ng/L
PCB 182 (BZ)	ND		0.0196	0.00145	ng/L
PCB 183 (BZ)	ND		0.0196	0.00148	ng/L
PCB 184 (BZ)	ND		0.0196	0.00119	ng/L
PCB 185 (BZ)	ND		0.0196	0.00153	ng/L
PCB 186 (BZ)	ND		0.0196	0.00116	ng/L
PCB 187 (BZ)	0.00291	Q J	0.0196	0.00139	ng/L
PCB 188 (BZ)	ND		0.0196	0.00115	ng/L
PCB 189 (BZ)	ND		0.0196	0.000811	ng/L
PCB 190 (BZ)	ND		0.0196	0.00112	ng/L
PCB 191 (BZ)	ND		0.0196	0.00114	ng/L
PCB 192 (BZ)	ND		0.0196	0.00122	ng/L
PCB 193 (BZ)	ND		0.0196	0.00124	ng/L
PCB 194 (BZ)	ND		0.0196	0.00112	ng/L
PCB 195 (BZ)	ND		0.0196	0.00123	ng/L
PCB 196 (BZ)	ND		0.0196	0.00170	ng/L
PCB 197 (BZ)	ND		0.0196	0.00121	ng/L
PCB 198 (BZ)	ND		0.0196	0.00168	ng/L
PCB 201 (BZ)/199 (IUPAC)	ND		0.0196	0.00168	ng/L
PCB 199 (BZ)/200 (IUPAC)	ND		0.0196	0.00124	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND		0.0196	0.00118	ng/L
PCB 202 (BZ)	ND		0.0196	0.00129	ng/L
PCB 203 (BZ)	ND		0.0196	0.00150	ng/L
PCB 204 (BZ)	ND		0.0196	0.00124	ng/L
PCB 205 (BZ)	ND		0.0196	0.000904	ng/L
PCB 206 (BZ)	ND		0.0196	0.00190	ng/L
PCB 207 (BZ)	ND		0.0196	0.00138	ng/L
PCB 208 (BZ)	ND		0.0196	0.00145	ng/L
PCB 209 (BZ)	ND		0.0196	0.00109	ng/L

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Shaw E & I Inc

Sample ID: OU2B-07-0214

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 004	**Work Order #....:**	JQPA91AA	**Matrix....:**	WATER
Date Sampled....:	02/14/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	73		30 - 140
13C12-PCB 3	80		30 - 140
13C12-PCB 4	86		30 - 140
13C12-PCB 15	96		30 - 140
13C12-PCB 19	95		30 - 140
13C12-PCB 37	94		30 - 140
13C12-PCB 54	86		30 - 140
13C12-PCB 77	98		30 - 140
13C12-PCB 81	96		30 - 140
13C12-PCB 104	94		30 - 140
13C12-PCB 105	98		30 - 140
13C12-PCB 114	95		30 - 140
13C12-PCB 118	96		30 - 140
13C12-PCB 123	93		30 - 140
13C12-PCB 126	99		30 - 140
13C12-PCB 155	95		30 - 140
13C12-PCB 156	103	C	30 - 140
13C12-PCB 157	103	C	30 - 140
13C12-PCB 167	106		30 - 140
13C12-PCB 169	96		30 - 140
13C12-PCB 170	104		30 - 140
13C12-PCB 188	86		30 - 140
13C12-PCB 189	98		30 - 140
13C12-PCB 202	94		30 - 140
13C12-PCB 205	100		30 - 140
13C12-PCB 206	98		30 - 140
13C12-PCB 208	96		30 - 140
13C12-PCB 209	96		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	91	40 - 125
13C12-PCB 111	98	40 - 125
13C12-PCB 178	82	40 - 125

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU2B-07-0214

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 004	**Work Order #....:**	JQPA91AA	**Matrix....:**	WATER
Date Sampled....:	02/14/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU2C-07-0214

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 005	Work Order #....:	JQPCD1AA	Matrix....:	WATER
Date Sampled....:	02/14/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.00215	Q J	0.0196	0.000317	ng/L
PCB 2 (BZ)	ND		0.0196	0.000338	ng/L
PCB 3 (BZ)	ND		0.0196	0.000322	ng/L
PCB 4 (BZ)	0.0158	Q B J	0.0294	0.00197	ng/L
PCB 5 (BZ)	ND		0.0196	0.00133	ng/L
PCB 6 (BZ)	0.00362	Q B J U	0.0196	0.00124	ng/L
PCB 7 (BZ)	0.00163	Q B J U	0.0196	0.00126	ng/L
PCB 8 (BZ)	0.0114	Q B J U	0.0294	0.00122	ng/L
PCB 9 (BZ)	0.00127	Q J	0.0196	0.00124	ng/L
PCB 10 (BZ)	ND		0.0196	0.00136	ng/L
PCB 11 (BZ)	0.0300	Q B U	0.0294	0.00124	ng/L
PCB 12 (BZ)	0.00215	Q B C J U	0.0294	0.00124	ng/L
PCB 13 (BZ)	0.00215	Q B C12 J U	0.0294	0.00124	ng/L
PCB 14 (BZ)	ND		0.0196	0.00107	ng/L
PCB 15 (BZ)	0.00599	Q B J U	0.0196	0.00117	ng/L
PCB 16 (BZ)	0.00701	J U	0.0196	0.00127	ng/L
PCB 17 (BZ)	0.0163	J	0.0196	0.00111	ng/L
PCB 18 (BZ)	0.0329	B	0.0294	0.00117	ng/L
PCB 19 (BZ)	0.00391	Q J	0.0196	0.00125	ng/L
PCB 20 (BZ)	0.0231	B C	0.0196	0.000486	ng/L
PCB 21 (BZ)	0.00762	B C J U	0.0196	0.000472	ng/L
PCB 22 (BZ)	0.00551	B J U	0.0196	0.000494	ng/L
PCB 23 (BZ)	ND		0.0196	0.000498	ng/L
PCB 24 (BZ)	ND		0.0196	0.000826	ng/L
PCB 25 (BZ)	0.00312	Q J	0.0196	0.000442	ng/L
PCB 26 (BZ)	0.00644	B C J	0.0196	0.000476	ng/L
PCB 27 (BZ)	0.00287	Q J	0.0196	0.000757	ng/L
PCB 28 (BZ)	0.0231	B C20	0.0196	0.000486	ng/L
PCB 29 (BZ)	0.00644	B C26 J	0.0196	0.000476	ng/L
PCB 30 (BZ)	ND		0.0294	0.000786	ng/L
PCB 31 (BZ)	0.0195	B J	0.0196	0.000468	ng/L
PCB 32 (BZ)	0.00757	J U	0.0196	0.000749	ng/L
PCB 33 (BZ)	0.00762	B C21 J U	0.0196	0.000472	ng/L
PCB 34 (BZ)	ND		0.0196	0.000495	ng/L
PCB 35 (BZ)	ND		0.0196	0.000504	ng/L
PCB 36 (BZ)	ND		0.0196	0.000468	ng/L

MW 4/24/07

Shaw E & I Inc

Sample ID: OU2C-07-0214

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 005	Work Order #....:	JQPCD1AA	Matrix....:	WATER
Date Sampled....:	02/14/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.00368	B J U	0.0196	0.000492	ng/L
PCB 38 (BZ)	ND		0.0196	0.000483	ng/L
PCB 39 (BZ)	ND		0.0196	0.000453	ng/L
PCB 40 (BZ)	0.00910	C J U	0.0196	0.000765	ng/L
PCB 41 (BZ)	ND		0.0196	0.00101	ng/L
PCB 42 (BZ)	0.00403	J	0.0196	0.000848	ng/L
PCB 43 (BZ)	ND		0.0196	0.000762	ng/L
PCB 44 (BZ)	0.0237	B C U	0.0196	0.000712	ng/L
PCB 45 (BZ)	0.00421	C J U	0.0196	0.000851	ng/L
PCB 46 (BZ)	ND		0.0196	0.00103	ng/L
PCB 47 (BZ)	0.0237	B C44 U	0.0196	0.000712	ng/L
PCB 48 (BZ)	0.00353	J	0.0196	0.000823	ng/L
PCB 49 (BZ)	0.0130	B J	0.0196	0.000725	ng/L
PCB 50 (BZ)	0.00457	C J	0.0196	0.000787	ng/L
PCB 51 (BZ)	0.00421	C45 J U	0.0196	0.000851	ng/L
PCB 52 (BZ)	0.0205	B	0.0196	0.000787	ng/L
PCB 53 (BZ)	0.00457	C50 J	0.0196	0.000787	ng/L
PCB 54 (BZ)	ND		0.0196	0.00119	ng/L
PCB 55 (BZ)	ND		0.0196	0.000628	ng/L
PCB 56 (BZ)	0.00464	J	0.0196	0.000592	ng/L
PCB 57 (BZ)	ND		0.0196	0.000611	ng/L
PCB 58 (BZ)	ND		0.0196	0.000579	ng/L
PCB 59 (BZ)	0.00157	Q C J	0.0196	0.000562	ng/L
PCB 60 (BZ)	0.00233	J	0.0196	0.000612	ng/L
PCB 61 (BZ)	ND		0.0196	0.000613	ng/L
PCB 62 (BZ)	0.00157	Q C59 J	0.0196	0.000562	ng/L
PCB 63 (BZ)	ND		0.0196	0.000545	ng/L
PCB 64 (BZ)	0.00442	J	0.0196	0.000555	ng/L
PCB 65 (BZ)	0.0237	B C44 U	0.0196	0.000712	ng/L
PCB 66 (BZ)	0.00961	B J	0.0196	0.000566	ng/L
PCB 67 (BZ)	ND		0.0196	0.000567	ng/L
PCB 68 (BZ)	0.00222	B J U	0.0196	0.000549	ng/L
PCB 69 (BZ)	ND		0.0196	0.000618	ng/L
PCB 70 (BZ)	0.0166	B C J U	0.0196	0.000554	ng/L
PCB 71 (BZ)	0.00910	C40 J U	0.0196	0.000765	ng/L
PCB 72 (BZ)	ND		0.0196	0.000580	ng/L

4/24/07

Shaw E & I Inc

Sample ID: OU2C-07-0214

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 005	**Work Order #....:**	JQPCD1AA	**Matrix....:**	WATER
Date Sampled....:	02/14/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.0196	0.000762	ng/L
PCB 74 (BZ)	**0.0166**	**B C70 J U**	**0.0196**	**0.000554**	**ng/L**
PCB 75 (BZ)	**0.00157**	**Q C59 J**	**0.0196**	**0.000562**	**ng/L**
PCB 76 (BZ)	**0.0166**	**B C70 J U**	**0.0196**	**0.000554**	**ng/L**
PCB 77 (BZ)	**0.00161**	**J**	**0.0196**	**0.000581**	**ng/L**
PCB 78 (BZ)	ND		0.0196	0.000617	ng/L
PCB 79 (BZ)	ND		0.0196	0.000532	ng/L
PCB 80 (BZ)	ND		0.0196	0.000515	ng/L
PCB 81 (BZ)	ND		0.0196	0.000580	ng/L
PCB 82 (BZ)	ND		0.0196	0.00153	ng/L
PCB 83 (BZ)	**0.00880**	**C J**	**0.0196**	**0.00119**	**ng/L**
PCB 84 (BZ)	**0.00425**	**J**	**0.0196**	**0.00136**	**ng/L**
PCB 85 (BZ)	**0.00173**	**Q C J**	**0.0196**	**0.000943**	**ng/L**
PCB 86 (BZ)	**0.00801**	**Q C J**	**0.0196**	**0.000955**	**ng/L**
PCB 87 (BZ)	**0.00801**	**Q C86 J**	**0.0196**	**0.000955**	**ng/L**
PCB 88 (BZ)	ND		0.0196	0.00128	ng/L
PCB 89 (BZ)	ND		0.0196	0.00129	ng/L
PCB 90 (BZ)	**0.0121**	**B C J U**	**0.0196**	**0.000933**	**ng/L**
PCB 91 (BZ)	**0.00189**	**J**	**0.0196**	**0.00107**	**ng/L**
PCB 92 (BZ)	ND		0.0196	0.00120	ng/L
PCB 93 (BZ)	ND		0.0196	0.00132	ng/L
PCB 94 (BZ)	ND		0.0196	0.00131	ng/L
PCB 95 (BZ)	**0.0112**	**B C J U**	**0.0196**	**0.00108**	**ng/L**
PCB 96 (BZ)	ND		0.0196	0.000911	ng/L
PCB 97 (BZ)	**0.00801**	**Q C86 J**	**0.0196**	**0.000955**	**ng/L**
PCB 98 (BZ)	ND		0.0196	0.00112	ng/L
PCB 99 (BZ)	**0.00880**	**C83 J**	**0.0196**	**0.00119**	**ng/L**
PCB 100 (BZ)	**0.0112**	**B C95 J U**	**0.0196**	**0.00108**	**ng/L**
PCB 101 (BZ)	**0.0121**	**B C90 J U**	**0.0196**	**0.000933**	**ng/L**
PCB 102 (BZ)	ND		0.0196	0.00112	ng/L
PCB 103 (BZ)	ND		0.0196	0.00107	ng/L
PCB 104 (BZ)	ND		0.0196	0.000804	ng/L
PCB 105 (BZ)	**0.00335**	**Q B J U**	**0.0196**	**0.000538**	**ng/L**
PCB 106 (BZ)	ND		0.0196	0.000605	ng/L
PCB 107 (BZ)/109 (IUPAC)	ND		0.0196	0.000589	ng/L
PCB 108 (BZ)/107 (IUPAC)	ND		0.0196	0.000563	ng/L

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Shaw E & I Inc

Sample ID: OU2C-07-0214

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 005	**Work Order #....:**	JQPCD1AA	**Matrix....:**	WATER
Date Sampled....:	02/14/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.00801**	**Q C86 J**	**0.0196**	**0.000955**	**ng/L**
PCB 110 (BZ)	**0.0156**	**B C J U**	**0.0196**	**0.000811**	**ng/L**
PCB 111 (BZ)	ND		0.0196	0.000818	ng/L
PCB 112 (BZ)	ND		0.0196	0.000856	ng/L
PCB 113 (BZ)	**0.0121**	**B C90 J U**	**0.0196**	**0.000933**	**ng/L**
PCB 114 (BZ)	ND		0.0196	0.000566	ng/L
PCB 115 (BZ)	**0.0156**	**B C110 J** ~~U~~	**0.0196**	**0.000811**	**ng/L**
PCB 116 (BZ)	**0.00173**	**Q C85 J**	**0.0196**	**0.000943**	**ng/L**
PCB 117 (BZ)	**0.00173**	**Q C85 J**	**0.0196**	**0.000943**	**ng/L**
PCB 118 (BZ)	**0.00800**	**B J U**	**0.0196**	**0.000542**	**ng/L**
PCB 119 (BZ)	**0.00801**	**Q C86 J**	**0.0196**	**0.000955**	**ng/L**
PCB 120 (BZ)	ND		0.0196	0.000775	ng/L
PCB 121 (BZ)	ND		0.0196	0.000836	ng/L
PCB 122 (BZ)	ND		0.0196	0.000604	ng/L
PCB 123 (BZ)	ND		0.0196	0.000566	ng/L
PCB 124 (BZ)	ND		0.0196	0.000563	ng/L
PCB 125 (BZ)	**0.00801**	**Q C86 J**	**0.0196**	**0.000955**	**ng/L**
PCB 126 (BZ)	ND		0.0196	0.000543	ng/L
PCB 127 (BZ)	ND		0.0196	0.000560	ng/L
PCB 128 (BZ)	ND		0.0196	0.00121	ng/L
PCB 129 (BZ)	**0.0101**	**B C J U**	**0.0196**	**0.00101**	**ng/L**
PCB 130 (BZ)	ND		0.0196	0.00131	ng/L
PCB 131 (BZ)	ND		0.0196	0.00130	ng/L
PCB 132 (BZ)	**0.00331**	**Q J**	**0.0196**	**0.00131**	**ng/L**
PCB 133 (BZ)	ND		0.0196	0.00121	ng/L
PCB 134 (BZ)	ND		0.0196	0.00131	ng/L
PCB 135 (BZ)	**0.00444**	**Q C J**	**0.0196**	**0.00130**	**ng/L**
PCB 136 (BZ)	ND		0.0196	0.00105	ng/L
PCB 137 (BZ)	ND		0.0196	0.00111	ng/L
PCB 138 (BZ)	**0.0101**	**B C129 J U**	**0.0196**	**0.00101**	**ng/L**
PCB 139 (BZ)	ND		0.0196	0.00109	ng/L
PCB 140 (BZ)	ND		0.0196	0.00109	ng/L
PCB 141 (BZ)	ND		0.0196	0.00123	ng/L
PCB 142 (BZ)	ND		0.0196	0.00126	ng/L
PCB 143 (BZ)	ND		0.0196	0.00131	ng/L
PCB 144 (BZ)	ND		0.0196	0.00133	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU2C-07-0214

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 005	Work Order #....:	JQPCD1AA	Matrix....:	WATER
Date Sampled....:	02/14/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0196	0.000991	ng/L
PCB 146 (BZ)	ND		0.0196	0.00106	ng/L
PCB 147 (BZ)	0.00767	B C J U	0.0196	0.00108	ng/L
PCB 148 (BZ)	ND		0.0196	0.00135	ng/L
PCB 149 (BZ)	0.00767	B C147 J U	0.0196	0.00108	ng/L
PCB 150 (BZ)	ND		0.0196	0.000979	ng/L
PCB 151 (BZ)	0.00444	Q C135 J	0.0196	0.00130	ng/L
PCB 152 (BZ)	ND		0.0196	0.000988	ng/L
PCB 153 (BZ)	0.00719	B C J U	0.0196	0.000869	ng/L
PCB 154 (BZ)	0.00444	Q C135 J	0.0196	0.00130	ng/L
PCB 155 (BZ)	ND		0.0196	0.000905	ng/L
PCB 156 (BZ)	ND		0.0196	0.00112	ng/L
PCB 157 (BZ)	ND		0.0196	0.00112	ng/L
PCB 158 (BZ)	ND		0.0196	0.000780	ng/L
PCB 159 (BZ)	ND		0.0196	0.000861	ng/L
PCB 160 (BZ)	0.0101	B C129 J U	0.0196	0.00101	ng/L
PCB 161 (BZ)	ND		0.0196	0.000852	ng/L
PCB 162 (BZ)	ND		0.0196	0.000861	ng/L
PCB 163 (BZ)	0.0101	B C129 J U	0.0196	0.00101	ng/L
PCB 164 (BZ)	ND		0.0196	0.000899	ng/L
PCB 165 (BZ)	ND		0.0196	0.000935	ng/L
PCB 166 (BZ)	ND		0.0196	0.000843	ng/L
PCB 167 (BZ)	ND		0.0196	0.000594	ng/L
PCB 168 (BZ)	0.00719	B C153 J U	0.0196	0.000869	ng/L
PCB 169 (BZ)	ND		0.0196	0.000580	ng/L
PCB 170 (BZ)	ND		0.0196	0.00104	ng/L
PCB 171 (BZ)	ND		0.0196	0.00113	ng/L
PCB 172 (BZ)	ND		0.0196	0.00113	ng/L
PCB 173 (BZ)	ND		0.0196	0.00113	ng/L
PCB 174 (BZ)	0.00246	Q J	0.0196	0.00102	ng/L
PCB 175 (BZ)	ND		0.0196	0.00103	ng/L
PCB 176 (BZ)	ND		0.0196	0.000754	ng/L
PCB 177 (BZ)	ND		0.0196	0.00107	ng/L
PCB 178 (BZ)	ND		0.0196	0.00106	ng/L
PCB 179 (BZ)	ND		0.0196	0.000786	ng/L
PCB 180 (BZ)	0.00472	B C J U	0.0196	0.000832	ng/L

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Shaw E & I Inc

Sample ID: OU2C-07-0214

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 005	**Work Order #....:**	JQPCD1AA	**Matrix....:**	WATER
Date Sampled....:	02/14/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0196	0.000968	ng/L
PCB 182 (BZ)	ND		0.0196	0.000971	ng/L
PCB 183 (BZ)	ND		0.0196	0.000997	ng/L
PCB 184 (BZ)	ND		0.0196	0.000801	ng/L
PCB 185 (BZ)	ND		0.0196	0.00103	ng/L
PCB 186 (BZ)	ND		0.0196	0.000777	ng/L
PCB 187 (BZ)	**0.00366**	**J**	**0.0196**	**0.000935**	**ng/L**
PCB 188 (BZ)	ND		0.0196	0.000770	ng/L
PCB 189 (BZ)	ND		0.0196	0.000524	ng/L
PCB 190 (BZ)	ND		0.0196	0.000753	ng/L
PCB 191 (BZ)	ND		0.0196	0.000768	ng/L
PCB 192 (BZ)	ND		0.0196	0.000822	ng/L
PCB 193 (BZ)	**0.00472**	**B C180 J** u	**0.0196**	**0.000832**	**ng/L**
PCB 194 (BZ)	ND		0.0196	0.000695	ng/L
PCB 195 (BZ)	ND		0.0196	0.000764	ng/L
PCB 196 (BZ)	ND		0.0196	0.00101	ng/L
PCB 197 (BZ)	ND		0.0196	0.000716	ng/L
PCB 198 (BZ)	ND		0.0196	0.000999	ng/L
PCB 201 (BZ)/199 (IUPAC)	ND		0.0196	0.000999	ng/L
PCB 199 (BZ)/200 (IUPAC)	ND		0.0196	0.000737	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND		0.0196	0.000699	ng/L
PCB 202 (BZ)	ND		0.0196	0.000766	ng/L
PCB 203 (BZ)	ND		0.0196	0.000888	ng/L
PCB 204 (BZ)	ND		0.0196	0.000736	ng/L
PCB 205 (BZ)	ND		0.0196	0.000561	ng/L
PCB 206 (BZ)	ND		0.0196	0.00121	ng/L
PCB 207 (BZ)	ND		0.0196	0.000858	ng/L
PCB 208 (BZ)	ND		0.0196	0.000894	ng/L
PCB 209 (BZ)	ND		0.0196	0.000713	ng/L

4/24/07

Shaw E & I Inc

Sample ID: OU2C-07-0214

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 005	Work Order #....:	JQPCD1AA	Matrix....:	WATER
Date Sampled....:	02/14/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	68		30 - 140
13C12-PCB 3	74		30 - 140
13C12-PCB 4	78		30 - 140
13C12-PCB 15	96		30 - 140
13C12-PCB 19	92		30 - 140
13C12-PCB 37	95		30 - 140
13C12-PCB 54	88		30 - 140
13C12-PCB 77	103		30 - 140
13C12-PCB 81	99		30 - 140
13C12-PCB 104	83		30 - 140
13C12-PCB 105	94		30 - 140
13C12-PCB 114	88		30 - 140
13C12-PCB 118	93		30 - 140
13C12-PCB 123	91		30 - 140
13C12-PCB 126	96		30 - 140
13C12-PCB 155	87		30 - 140
13C12-PCB 156	100	C	30 - 140
13C12-PCB 157	100	C	30 - 140
13C12-PCB 167	98		30 - 140
13C12-PCB 169	88		30 - 140
13C12-PCB 170	101		30 - 140
13C12-PCB 188	87		30 - 140
13C12-PCB 189	97		30 - 140
13C12-PCB 202	95		30 - 140
13C12-PCB 205	96		30 - 140
13C12-PCB 206	94		30 - 140
13C12-PCB 208	96		30 - 140
13C12-PCB 209	96		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	88	40 - 125
13C12-PCB 111	96	40 - 125
13C12-PCB 178	86	40 - 125

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU2C-07-0214

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 005	**Work Order #....:**	JQPCD1AA	**Matrix....:**	WATER
Date Sampled....:	02/14/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/27/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU3-07-0215

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 006	Work Order #....:	JQPCF1AA	Matrix....:	WATER
Date Sampled....:	02/15/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	MID	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.00159	Q J	0.0196	0.000278	ng/L
PCB 2 (BZ)	ND		0.0196	0.000305	ng/L
PCB 3 (BZ)	ND		0.0196	0.000299	ng/L
PCB 4 (BZ)	0.0174	Q B J	0.0294	0.00173	ng/L
PCB 5 (BZ)	ND		0.0196	0.00125	ng/L
PCB 6 (BZ)	0.00564	Q B J U	0.0196	0.00117	ng/L
PCB 7 (BZ)	0.00123	Q B J U	0.0196	0.00119	ng/L
PCB 8 (BZ)	0.0151	B J U	0.0294	0.00115	ng/L
PCB 9 (BZ)	0.00174	Q J	0.0196	0.00118	ng/L
PCB 10 (BZ)	ND		0.0196	0.00128	ng/L
PCB 11 (BZ)	0.0329	Q B	0.0294	0.00117	ng/L
PCB 12 (BZ)	0.00113	Q B C J U	0.0294	0.00117	ng/L
PCB 13 (BZ)	0.00113	Q B C12 J U	0.0294	0.00117	ng/L
PCB 14 (BZ)	ND		0.0196	0.00101	ng/L
PCB 15 (BZ)	0.00699	Q B J U	0.0196	0.00116	ng/L
PCB 16 (BZ)	0.00979	J U	0.0196	0.00101	ng/L
PCB 17 (BZ)	0.0191	J	0.0196	0.000884	ng/L
PCB 18 (BZ)	0.0419	B	0.0294	0.000928	ng/L
PCB 19 (BZ)	0.00541	Q J	0.0196	0.000995	ng/L
PCB 20 (BZ)	0.0332	B C	0.0196	0.000463	ng/L
PCB 21 (BZ)	0.00953	B C J U	0.0196	0.000450	ng/L
PCB 22 (BZ)	0.00707	B J U	0.0196	0.000471	ng/L
PCB 23 (BZ)	ND		0.0196	0.000475	ng/L
PCB 24 (BZ)	ND		0.0196	0.000658	ng/L
PCB 25 (BZ)	0.00426	J	0.0196	0.000421	ng/L
PCB 26 (BZ)	0.00784	Q B C J	0.0196	0.000454	ng/L
PCB 27 (BZ)	0.00253	Q J	0.0196	0.000602	ng/L
PCB 28 (BZ)	0.0332	B C20	0.0196	0.000463	ng/L
PCB 29 (BZ)	0.00784	Q B C26 J	0.0196	0.000454	ng/L
PCB 30 (BZ)	ND		0.0294	0.000625	ng/L
PCB 31 (BZ)	0.0268	B	0.0196	0.000446	ng/L
PCB 32 (BZ)	0.00990	J U	0.0196	0.000596	ng/L
PCB 33 (BZ)	0.00953	B C21 J U	0.0196	0.000450	ng/L
PCB 34 (BZ)	ND		0.0196	0.000472	ng/L
PCB 35 (BZ)	ND		0.0196	0.000480	ng/L
PCB 36 (BZ)	ND		0.0196	0.000446	ng/L

MAU 4/24/07

Shaw E & I Inc

Sample ID: OU3-07-0215

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 006	**Work Order #....:**	JQPCF1AA	**Matrix....:**	WATER
Date Sampled....:	02/15/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.00399	Q B J U	0.0196	0.000469	ng/L
PCB 38 (BZ)	ND		0.0196	0.000460	ng/L
PCB 39 (BZ)	ND		0.0196	0.000431	ng/L
PCB 40 (BZ)	0.0106	C J U	0.0196	0.000784	ng/L
PCB 41 (BZ)	0.00115	Q J	0.0196	0.00103	ng/L
PCB 42 (BZ)	0.00559	J	0.0196	0.000870	ng/L
PCB 43 (BZ)	ND		0.0196	0.000781	ng/L
PCB 44 (BZ)	0.0255	B C U	0.0196	0.000730	ng/L
PCB 45 (BZ)	0.00565	C J U	0.0196	0.000872	ng/L
PCB 46 (BZ)	0.00183	J	0.0196	0.00106	ng/L
PCB 47 (BZ)	0.0255	B C44 U	0.0196	0.000730	ng/L
PCB 48 (BZ)	0.00418	Q J	0.0196	0.000844	ng/L
PCB 49 (BZ)	0.0185	B J	0.0196	0.000744	ng/L
PCB 50 (BZ)	0.00332	Q C J	0.0196	0.000807	ng/L
PCB 51 (BZ)	0.00565	C45 J U	0.0196	0.000872	ng/L
PCB 52 (BZ)	0.0248	B	0.0196	0.000807	ng/L
PCB 53 (BZ)	0.00332	Q C50 J	0.0196	0.000807	ng/L
PCB 54 (BZ)	ND		0.0196	0.000938	ng/L
PCB 55 (BZ)	ND		0.0196	0.000644	ng/L
PCB 56 (BZ)	0.00632	J	0.0196	0.000607	ng/L
PCB 57 (BZ)	ND		0.0196	0.000626	ng/L
PCB 58 (BZ)	ND		0.0196	0.000593	ng/L
PCB 59 (BZ)	0.00354	C J	0.0196	0.000577	ng/L
PCB 60 (BZ)	0.00261	J	0.0196	0.000628	ng/L
PCB 61 (BZ)	ND		0.0196	0.000628	ng/L
PCB 62 (BZ)	0.00354	C59 J	0.0196	0.000577	ng/L
PCB 63 (BZ)	ND		0.0196	0.000558	ng/L
PCB 64 (BZ)	0.00764	J	0.0196	0.000569	ng/L
PCB 65 (BZ)	0.0255	B C44 U	0.0196	0.000730	ng/L
PCB 66 (BZ)	0.0125	B J	0.0196	0.000580	ng/L
PCB 67 (BZ)	ND		0.0196	0.000581	ng/L
PCB 68 (BZ)	0.00110	Q B J U	0.0196	0.000563	ng/L
PCB 69 (BZ)	ND		0.0196	0.000633	ng/L
PCB 70 (BZ)	0.0223	B C	0.0196	0.000568	ng/L
PCB 71 (BZ)	0.0106	C40 J U	0.0196	0.000784	ng/L
PCB 72 (BZ)	ND		0.0196	0.000595	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU3-07-0215

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 006	**Work Order #....:**	JQPCF1AA	**Matrix....:**	WATER
Date Sampled....:	02/15/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	MID	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.0196	0.000781	ng/L
PCB 74 (BZ)	0.0223	B C70	0.0196	0.000568	ng/L
PCB 75 (BZ)	0.00354	C59 J	0.0196	0.000577	ng/L
PCB 76 (BZ)	0.0223	B C70	0.0196	0.000568	ng/L
PCB 77 (BZ)	ND		0.0196	0.000615	ng/L
PCB 78 (BZ)	ND		0.0196	0.000633	ng/L
PCB 79 (BZ)	ND		0.0196	0.000545	ng/L
PCB 80 (BZ)	ND		0.0196	0.000528	ng/L
PCB 81 (BZ)	ND		0.0196	0.000575	ng/L
PCB 82 (BZ)	ND		0.0196	0.00142	ng/L
PCB 83 (BZ)	0.00983	Q C J	0.0196	0.00111	ng/L
PCB 84 (BZ)	0.00347	Q J	0.0196	0.00127	ng/L
PCB 85 (BZ)	0.00240	C J	0.0196	0.000879	ng/L
PCB 86 (BZ)	0.00872	C J	0.0196	0.000890	ng/L
PCB 87 (BZ)	0.00872	C86 J	0.0196	0.000890	ng/L
PCB 88 (BZ)	ND		0.0196	0.00119	ng/L
PCB 89 (BZ)	ND		0.0196	0.00120	ng/L
PCB 90 (BZ)	0.0152	B C J U	0.0196	0.000869	ng/L
PCB 91 (BZ)	ND		0.0196	0.000996	ng/L
PCB 92 (BZ)	ND		0.0196	0.00111	ng/L
PCB 93 (BZ)	ND		0.0196	0.00123	ng/L
PCB 94 (BZ)	ND		0.0196	0.00122	ng/L
PCB 95 (BZ)	0.00974	B C J U	0.0196	0.00100	ng/L
PCB 96 (BZ)	ND		0.0196	0.000849	ng/L
PCB 97 (BZ)	0.00872	C86 J	0.0196	0.000890	ng/L
PCB 98 (BZ)	ND		0.0196	0.00105	ng/L
PCB 99 (BZ)	0.00983	Q C83 J	0.0196	0.00111	ng/L
PCB 100 (BZ)	0.00974	B C95 J U	0.0196	0.00100	ng/L
PCB 101 (BZ)	0.0152	B C90 J U	0.0196	0.000869	ng/L
PCB 102 (BZ)	ND		0.0196	0.00105	ng/L
PCB 103 (BZ)	ND		0.0196	0.000993	ng/L
PCB 104 (BZ)	ND		0.0196	0.000748	ng/L
PCB 105 (BZ)	0.00280	Q B J U	0.0196	0.000553	ng/L
PCB 106 (BZ)	ND		0.0196	0.000623	ng/L
PCB 107 (BZ)/109 (IUPAC)	0.000992	Q J	0.0196	0.000607	ng/L
PCB 108 (BZ)/107 (IUPAC)	ND		0.0196	0.000580	ng/L

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Shaw E & I Inc

Sample ID: OU3-07-0215

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 006	Work Order #....:	JQPCF1AA	Matrix....:	WATER
Date Sampled....:	02/15/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.00872	C86 J	0.0196	0.000890	ng/L
PCB 110 (BZ)	0.0125	Q B C J U	0.0196	0.000755	ng/L
PCB 111 (BZ)	ND		0.0196	0.000762	ng/L
PCB 112 (BZ)	ND		0.0196	0.000797	ng/L
PCB 113 (BZ)	0.0152	B C90 J U	0.0196	0.000869	ng/L
PCB 114 (BZ)	ND		0.0196	0.000554	ng/L
PCB 115 (BZ)	0.0125	Q B C110 J U	0.0196	0.000755	ng/L
PCB 116 (BZ)	0.00240	C85 J	0.0196	0.000879	ng/L
PCB 117 (BZ)	0.00240	C85 J	0.0196	0.000879	ng/L
PCB 118 (BZ)	0.00884	B J U	0.0196	0.000579	ng/L
PCB 119 (BZ)	0.00872	C86 J	0.0196	0.000890	ng/L
PCB 120 (BZ)	ND		0.0196	0.000722	ng/L
PCB 121 (BZ)	ND		0.0196	0.000778	ng/L
PCB 122 (BZ)	ND		0.0196	0.000622	ng/L
PCB 123 (BZ)	ND		0.0196	0.000588	ng/L
PCB 124 (BZ)	ND		0.0196	0.000580	ng/L
PCB 125 (BZ)	0.00872	C86 J	0.0196	0.000890	ng/L
PCB 126 (BZ)	ND		0.0196	0.000563	ng/L
PCB 127 (BZ)	ND		0.0196	0.000577	ng/L
PCB 128 (BZ)	0.00170	Q J	0.0196	0.00116	ng/L
PCB 129 (BZ)	0.00880	B C J U	0.0196	0.000967	ng/L
PCB 130 (BZ)	ND		0.0196	0.00126	ng/L
PCB 131 (BZ)	ND		0.0196	0.00125	ng/L
PCB 132 (BZ)	0.00409	J	0.0196	0.00126	ng/L
PCB 133 (BZ)	ND		0.0196	0.00116	ng/L
PCB 134 (BZ)	ND		0.0196	0.00125	ng/L
PCB 135 (BZ)	0.00300	Q C J	0.0196	0.00103	ng/L
PCB 136 (BZ)	ND		0.0196	0.000833	ng/L
PCB 137 (BZ)	ND		0.0196	0.00107	ng/L
PCB 138 (BZ)	0.00880	B C129 J U	0.0196	0.000967	ng/L
PCB 139 (BZ)	ND		0.0196	0.00104	ng/L
PCB 140 (BZ)	ND		0.0196	0.00104	ng/L
PCB 141 (BZ)	0.00167	J	0.0196	0.00118	ng/L
PCB 142 (BZ)	ND		0.0196	0.00121	ng/L
PCB 143 (BZ)	ND		0.0196	0.00125	ng/L
PCB 144 (BZ)	ND		0.0196	0.00106	ng/L

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Shaw E & I Inc

Sample ID: OU3-07-0215

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 006	Work Order #....:	JQPCF1AA	Matrix....:	WATER
Date Sampled....:	02/15/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0196	0.000789	ng/L
PCB 146 (BZ)	0.00176	J	0.0196	0.00102	ng/L
PCB 147 (BZ)	0.00793	B C J U	0.0196	0.00103	ng/L
PCB 148 (BZ)	ND		0.0196	0.00107	ng/L
PCB 149 (BZ)	0.00793	B C147 J U	0.0196	0.00103	ng/L
PCB 150 (BZ)	ND		0.0196	0.000780	ng/L
PCB 151 (BZ)	0.00300	Q C135 J	0.0196	0.00103	ng/L
PCB 152 (BZ)	ND		0.0196	0.000787	ng/L
PCB 153 (BZ)	0.00731	B C J U	0.0196	0.000834	ng/L
PCB 154 (BZ)	0.00300	Q C135 J	0.0196	0.00103	ng/L
PCB 155 (BZ)	ND		0.0196	0.000721	ng/L
PCB 156 (BZ)	ND		0.0196	0.00104	ng/L
PCB 157 (BZ)	ND		0.0196	0.00104	ng/L
PCB 158 (BZ)	ND		0.0196	0.000748	ng/L
PCB 159 (BZ)	ND		0.0196	0.000826	ng/L
PCB 160 (BZ)	0.00880	B C129 J U	0.0196	0.000967	ng/L
PCB 161 (BZ)	ND		0.0196	0.000818	ng/L
PCB 162 (BZ)	ND		0.0196	0.000826	ng/L
PCB 163 (BZ)	0.00880	B C129 J U	0.0196	0.000967	ng/L
PCB 164 (BZ)	ND		0.0196	0.000863	ng/L
PCB 165 (BZ)	ND		0.0196	0.000898	ng/L
PCB 166 (BZ)	ND		0.0196	0.000809	ng/L
PCB 167 (BZ)	ND		0.0196	0.000582	ng/L
PCB 168 (BZ)	0.00731	B C153 J U	0.0196	0.000834	ng/L
PCB 169 (BZ)	ND		0.0196	0.000564	ng/L
PCB 170 (BZ)	0.00207	Q J	0.0196	0.000889	ng/L
PCB 171 (BZ)	ND		0.0196	0.000940	ng/L
PCB 172 (BZ)	ND		0.0196	0.000936	ng/L
PCB 173 (BZ)	ND		0.0196	0.000940	ng/L
PCB 174 (BZ)	0.00228	J	0.0196	0.000849	ng/L
PCB 175 (BZ)	ND		0.0196	0.000853	ng/L
PCB 176 (BZ)	ND		0.0196	0.000627	ng/L
PCB 177 (BZ)	ND		0.0196	0.000892	ng/L
PCB 178 (BZ)	ND		0.0196	0.000882	ng/L
PCB 179 (BZ)	0.00148	Q J	0.0196	0.000654	ng/L
PCB 180 (BZ)	0.00423	Q B C J U	0.0196	0.000692	ng/L

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Shaw E & I Inc

Sample ID: OU3-07-0215

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 006	Work Order #....:	JQPCF1AA	Matrix....:	WATER
Date Sampled....:	02/15/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0196	0.000805	ng/L
PCB 182 (BZ)	ND		0.0196	0.000807	ng/L
PCB 183 (BZ)	ND		0.0196	0.000829	ng/L
PCB 184 (BZ)	ND		0.0196	0.000666	ng/L
PCB 185 (BZ)	ND		0.0196	0.000854	ng/L
PCB 186 (BZ)	ND		0.0196	0.000646	ng/L
PCB 187 (BZ)	**0.00381**	**J**	**0.0196**	**0.000778**	**ng/L**
PCB 188 (BZ)	ND		0.0196	0.000629	ng/L
PCB 189 (BZ)	ND		0.0196	0.000521	ng/L
PCB 190 (BZ)	ND		0.0196	0.000626	ng/L
PCB 191 (BZ)	ND		0.0196	0.000639	ng/L
PCB 192 (BZ)	ND		0.0196	0.000684	ng/L
PCB 193 (BZ)	**0.00423**	**Q B C180 J U**	**0.0196**	**0.000692**	**ng/L**
PCB 194 (BZ)	ND		0.0196	0.000732	ng/L
PCB 195 (BZ)	ND		0.0196	0.000805	ng/L
PCB 196 (BZ)	ND		0.0196	0.000882	ng/L
PCB 197 (BZ)	ND		0.0196	0.000625	ng/L
PCB 198 (BZ)	ND		0.0196	0.000872	ng/L
PCB 201 (BZ)/199 (IUPAC)	ND		0.0196	0.000872	ng/L
PCB 199 (BZ)/200 (IUPAC)	ND		0.0196	0.000644	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND		0.0196	0.000610	ng/L
PCB 202 (BZ)	ND		0.0196	0.000668	ng/L
PCB 203 (BZ)	ND		0.0196	0.000775	ng/L
PCB 204 (BZ)	ND		0.0196	0.000642	ng/L
PCB 205 (BZ)	ND		0.0196	0.000591	ng/L
PCB 206 (BZ)	ND		0.0196	0.00124	ng/L
PCB 207 (BZ)	ND		0.0196	0.000870	ng/L
PCB 208 (BZ)	ND		0.0196	0.000898	ng/L
PCB 209 (BZ)	ND		0.0196	0.000706	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU3-07-0215

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 006	Work Order #....:	JQPCF1AA	Matrix....:	WATER
Date Sampled....:	02/15/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	78		30 - 140
13C12-PCB 3	80		30 - 140
13C12-PCB 4	90		30 - 140
13C12-PCB 15	99		30 - 140
13C12-PCB 19	89		30 - 140
13C12-PCB 37	97		30 - 140
13C12-PCB 54	88		30 - 140
13C12-PCB 77	101		30 - 140
13C12-PCB 81	98		30 - 140
13C12-PCB 104	92		30 - 140
13C12-PCB 105	98		30 - 140
13C12-PCB 114	95		30 - 140
13C12-PCB 118	97		30 - 140
13C12-PCB 123	95		30 - 140
13C12-PCB 126	99		30 - 140
13C12-PCB 155	101		30 - 140
13C12-PCB 156	103	C	30 - 140
13C12-PCB 157	103	C	30 - 140
13C12-PCB 167	100		30 - 140
13C12-PCB 169	90		30 - 140
13C12-PCB 170	104		30 - 140
13C12-PCB 188	90		30 - 140
13C12-PCB 189	100		30 - 140
13C12-PCB 202	101		30 - 140
13C12-PCB 205	99		30 - 140
13C12-PCB 206	98		30 - 140
13C12-PCB 208	105		30 - 140
13C12-PCB 209	100		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	90	40 - 125
13C12-PCB 111	100	40 - 125
13C12-PCB 178	87	40 - 125

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU3-07-0215

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 006	**Work Order #....:**	JQPCF1AA	**Matrix....:**	WATER
Date Sampled....:	02/15/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

MAW 7/24/07

Shaw E & I Inc

Sample ID: OU4-07-0216

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 007	**Work Order #....:**	JQPCK1AA	**Matrix....:**	WATER
Date Sampled....:	02/16/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.00273	Q J	0.0200	0.000359	ng/L
PCB 2 (BZ)	ND		0.0200	0.000389	ng/L
PCB 3 (BZ)	ND		0.0200	0.000375	ng/L
PCB 4 (BZ)	0.0783	B	0.0300	0.00214	ng/L
PCB 5 (BZ)	ND		0.0200	0.00156	ng/L
PCB 6 (BZ)	0.0215	B	0.0200	0.00146	ng/L
PCB 7 (BZ)	0.00245	Q B J U	0.0200	0.00148	ng/L
PCB 8 (BZ)	0.0374	Q B	0.0300	0.00143	ng/L
PCB 9 (BZ)	0.00293	Q J	0.0200	0.00147	ng/L
PCB 10 (BZ)	0.00272	Q J	0.0200	0.00160	ng/L
PCB 11 (BZ)	0.0382	Q B	0.0300	0.00146	ng/L
PCB 12 (BZ)	0.00245	Q B C J U	0.0300	0.00146	ng/L
PCB 13 (BZ)	0.00245	Q B C12 J U	0.0300	0.00146	ng/L
PCB 14 (BZ)	ND		0.0200	0.00126	ng/L
PCB 15 (BZ)	0.0167	Q B J	0.0200	0.00145	ng/L
PCB 16 (BZ)	0.0374		0.0200	0.00133	ng/L
PCB 17 (BZ)	0.0979		0.0200	0.00116	ng/L
PCB 18 (BZ)	0.210	B	0.0300	0.00122	ng/L
PCB 19 (BZ)	0.0219		0.0200	0.00130	ng/L
PCB 20 (BZ)	0.138	B C	0.0200	0.000708	ng/L
PCB 21 (BZ)	0.0258	B C	0.0200	0.000688	ng/L
PCB 22 (BZ)	0.0245	B	0.0200	0.000720	ng/L
PCB 23 (BZ)	ND		0.0200	0.000726	ng/L
PCB 24 (BZ)	ND		0.0200	0.000861	ng/L
PCB 25 (BZ)	0.0248		0.0200	0.000644	ng/L
PCB 26 (BZ)	0.0474	B C	0.0200	0.000694	ng/L
PCB 27 (BZ)	0.0149	Q J	0.0200	0.000789	ng/L
PCB 28 (BZ)	0.138	B C20	0.0200	0.000708	ng/L
PCB 29 (BZ)	0.0474	B C26	0.0200	0.000694	ng/L
PCB 30 (BZ)	ND		0.0300	0.000818	ng/L
PCB 31 (BZ)	0.119	B	0.0200	0.000682	ng/L
PCB 32 (BZ)	0.0533		0.0200	0.000780	ng/L
PCB 33 (BZ)	0.0258	B C21	0.0200	0.000688	ng/L
PCB 34 (BZ)	0.00192	Q J	0.0200	0.000721	ng/L
PCB 35 (BZ)	0.00145	J	0.0200	0.000734	ng/L
PCB 36 (BZ)	ND		0.0200	0.000682	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU4-07-0216

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 007	Work Order #....:	JQPCK1AA	Matrix....:	WATER
Date Sampled....:	02/16/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.0140	B J	0.0200	0.000716	ng/L
PCB 38 (BZ)	ND		0.0200	0.000704	ng/L
PCB 39 (BZ)	ND		0.0200	0.000659	ng/L
PCB 40 (BZ)	0.0542	C	0.0200	0.00108	ng/L
PCB 41 (BZ)	0.00391	Q J	0.0200	0.00142	ng/L
PCB 42 (BZ)	0.0251		0.0200	0.00119	ng/L
PCB 43 (BZ)	0.00583	C J	0.0200	0.00107	ng/L
PCB 44 (BZ)	0.117	B C	0.0200	0.00100	ng/L
PCB 45 (BZ)	0.0293	C U	0.0200	0.00120	ng/L
PCB 46 (BZ)	0.0108	Q J	0.0200	0.00145	ng/L
PCB 47 (BZ)	0.117	B C44	0.0200	0.00100	ng/L
PCB 48 (BZ)	0.0135	Q J	0.0200	0.00116	ng/L
PCB 49 (BZ)	0.0820	B	0.0200	0.00102	ng/L
PCB 50 (BZ)	0.0211	C	0.0200	0.00111	ng/L
PCB 51 (BZ)	0.0293	C45	0.0200	0.00120	ng/L
PCB 52 (BZ)	0.119	B	0.0200	0.00111	ng/L
PCB 53 (BZ)	0.0211	C50	0.0200	0.00111	ng/L
PCB 54 (BZ)	ND		0.0200	0.00113	ng/L
PCB 55 (BZ)	ND		0.0200	0.000885	ng/L
PCB 56 (BZ)	0.0215		0.0200	0.000834	ng/L
PCB 57 (BZ)	ND		0.0200	0.000860	ng/L
PCB 58 (BZ)	ND		0.0200	0.000815	ng/L
PCB 59 (BZ)	0.0125	C J	0.0200	0.000792	ng/L
PCB 60 (BZ)	0.00596	J	0.0200	0.000862	ng/L
PCB 61 (BZ)	ND		0.0200	0.000863	ng/L
PCB 62 (BZ)	0.0125	C59 J	0.0200	0.000792	ng/L
PCB 63 (BZ)	0.00375	J	0.0200	0.000767	ng/L
PCB 64 (BZ)	0.0291		0.0200	0.000782	ng/L
PCB 65 (BZ)	0.117	B C44	0.0200	0.00100	ng/L
PCB 66 (BZ)	0.0453	B	0.0200	0.000796	ng/L
PCB 67 (BZ)	0.00183	Q J	0.0200	0.000798	ng/L
PCB 68 (BZ)	0.00438	B J U	0.0200	0.000774	ng/L
PCB 69 (BZ)	ND		0.0200	0.000870	ng/L
PCB 70 (BZ)	0.0729	B C	0.0200	0.000779	ng/L
PCB 71 (BZ)	0.0542	C40	0.0200	0.00108	ng/L
PCB 72 (BZ)	0.00127	Q J	0.0200	0.000817	ng/L

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Shaw E & I Inc

Sample ID: OU4-07-0216

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 007	Work Order #....:	JQPCK1AA	Matrix....:	WATER
Date Sampled....:	02/16/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.00583	C43 J	0.0200	0.00107	ng/L
PCB 74 (BZ)	0.0729	B C70	0.0200	0.000779	ng/L
PCB 75 (BZ)	0.0125	C59 J	0.0200	0.000792	ng/L
PCB 76 (BZ)	0.0729	B C70	0.0200	0.000779	ng/L
PCB 77 (BZ)	0.00396	J	0.0200	0.000833	ng/L
PCB 78 (BZ)	ND		0.0200	0.000869	ng/L
PCB 79 (BZ)	ND		0.0200	0.000749	ng/L
PCB 80 (BZ)	ND		0.0200	0.000725	ng/L
PCB 81 (BZ)	ND		0.0200	0.000801	ng/L
PCB 82 (BZ)	0.00687	Q J	0.0200	0.00180	ng/L
PCB 83 (BZ)	0.0191	C J	0.0200	0.00140	ng/L
PCB 84 (BZ)	0.0119	J	0.0200	0.00160	ng/L
PCB 85 (BZ)	0.00538	C J	0.0200	0.00111	ng/L
PCB 86 (BZ)	0.0177	Q C J	0.0200	0.00113	ng/L
PCB 87 (BZ)	0.0177	Q C86 J	0.0200	0.00113	ng/L
PCB 88 (BZ)	ND		0.0200	0.00151	ng/L
PCB 89 (BZ)	ND		0.0200	0.00152	ng/L
PCB 90 (BZ)	0.0233	Q B C	0.0200	0.00110	ng/L
PCB 91 (BZ)	0.00629	Q J	0.0200	0.00126	ng/L
PCB 92 (BZ)	0.00666	Q J	0.0200	0.00141	ng/L
PCB 93 (BZ)	ND		0.0200	0.00155	ng/L
PCB 94 (BZ)	ND		0.0200	0.00155	ng/L
PCB 95 (BZ)	0.0254	B C	0.0200	0.00127	ng/L
PCB 96 (BZ)	ND		0.0200	0.00107	ng/L
PCB 97 (BZ)	0.0177	Q C86 J	0.0200	0.00113	ng/L
PCB 98 (BZ)	0.00340	Q C J	0.0200	0.00132	ng/L
PCB 99 (BZ)	0.0191	C83 J	0.0200	0.00140	ng/L
PCB 100 (BZ)	0.0254	B C95	0.0200	0.00127	ng/L
PCB 101 (BZ)	0.0233	Q B C90	0.0200	0.00110	ng/L
PCB 102 (BZ)	0.00340	Q C98 J	0.0200	0.00132	ng/L
PCB 103 (BZ)	ND		0.0200	0.00126	ng/L
PCB 104 (BZ)	ND		0.0200	0.000947	ng/L
PCB 105 (BZ)	0.00650	B J	0.0200	0.000759	ng/L
PCB 106 (BZ)	ND		0.0200	0.000867	ng/L
PCB 107 (BZ)/109 (IUPAC)	0.00203	Q J	0.0200	0.000844	ng/L
PCB 108 (BZ)/107 (IUPAC)	ND		0.0200	0.000807	ng/L

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Shaw E & I Inc

Sample ID: OU4-07-0216

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 007	Work Order #....:	JQPCK1AA	Matrix....:	WATER
Date Sampled....:	02/16/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	MID	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.0177	Q C86 J	0.0200	0.00113	ng/L
PCB 110 (BZ)	0.0306	B C	0.0200	0.000956	ng/L
PCB 111 (BZ)	ND		0.0200	0.000964	ng/L
PCB 112 (BZ)	ND		0.0200	0.00101	ng/L
PCB 113 (BZ)	0.0233	Q B C90	0.0200	0.00110	ng/L
PCB 114 (BZ)	ND		0.0200	0.000799	ng/L
PCB 115 (BZ)	0.0306	B C110	0.0200	0.000956	ng/L
PCB 116 (BZ)	0.00538	C85 J	0.0200	0.00111	ng/L
PCB 117 (BZ)	0.00538	C85 J	0.0200	0.00111	ng/L
PCB 118 (BZ)	0.0171	B J	0.0200	0.000797	ng/L
PCB 119 (BZ)	0.0177	Q C86 J	0.0200	0.00113	ng/L
PCB 120 (BZ)	ND		0.0200	0.000913	ng/L
PCB 121 (BZ)	ND		0.0200	0.000985	ng/L
PCB 122 (BZ)	ND		0.0200	0.000866	ng/L
PCB 123 (BZ)	ND		0.0200	0.000792	ng/L
PCB 124 (BZ)	ND		0.0200	0.000807	ng/L
PCB 125 (BZ)	0.0177	Q C86 J	0.0200	0.00113	ng/L
PCB 126 (BZ)	ND		0.0200	0.000800	ng/L
PCB 127 (BZ)	ND		0.0200	0.000802	ng/L
PCB 128 (BZ)	ND		0.0200	0.00157	ng/L
PCB 129 (BZ)	0.0121	Q B C J U	0.0200	0.00131	ng/L
PCB 130 (BZ)	ND		0.0200	0.00170	ng/L
PCB 131 (BZ)	ND		0.0200	0.00169	ng/L
PCB 132 (BZ)	0.00654	Q J	0.0200	0.00170	ng/L
PCB 133 (BZ)	ND		0.0200	0.00157	ng/L
PCB 134 (BZ)	ND		0.0200	0.00169	ng/L
PCB 135 (BZ)	0.00620	C J	0.0200	0.00137	ng/L
PCB 136 (BZ)	ND		0.0200	0.00111	ng/L
PCB 137 (BZ)	ND		0.0200	0.00144	ng/L
PCB 138 (BZ)	0.0121	Q B C129 J U	0.0200	0.00131	ng/L
PCB 139 (BZ)	ND		0.0200	0.00141	ng/L
PCB 140 (BZ)	ND		0.0200	0.00141	ng/L
PCB 141 (BZ)	ND		0.0200	0.00159	ng/L
PCB 142 (BZ)	ND		0.0200	0.00164	ng/L
PCB 143 (BZ)	ND		0.0200	0.00169	ng/L
PCB 144 (BZ)	ND		0.0200	0.00141	ng/L

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Shaw E & I Inc

Sample ID: OU4-07-0216

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 007	Work Order #....:	JQPCK1AA	Matrix....:	WATER
Date Sampled....:	02/16/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0200	0.00105	ng/L
PCB 146 (BZ)	0.00281	Q J	0.0200	0.00138	ng/L
PCB 147 (BZ)	0.0108	Q B C J U	0.0200	0.00140	ng/L
PCB 148 (BZ)	ND		0.0200	0.00143	ng/L
PCB 149 (BZ)	0.0108	Q B C147 J U	0.0200	0.00140	ng/L
PCB 150 (BZ)	ND		0.0200	0.00103	ng/L
PCB 151 (BZ)	0.00620	C135 J	0.0200	0.00137	ng/L
PCB 152 (BZ)	ND		0.0200	0.00104	ng/L
PCB 153 (BZ)	0.0119	B C J U	0.0200	0.00113	ng/L
PCB 154 (BZ)	0.00620	C135 J	0.0200	0.00137	ng/L
PCB 155 (BZ)	ND		0.0200	0.000956	ng/L
PCB 156 (BZ)	0.00163	C J	0.0200	0.00142	ng/L
PCB 157 (BZ)	0.00163	C156 J	0.0200	0.00142	ng/L
PCB 158 (BZ)	ND		0.0200	0.00101	ng/L
PCB 159 (BZ)	ND		0.0200	0.00112	ng/L
PCB 160 (BZ)	0.0121	Q B C129 J U	0.0200	0.00131	ng/L
PCB 161 (BZ)	ND		0.0200	0.00110	ng/L
PCB 162 (BZ)	ND		0.0200	0.00112	ng/L
PCB 163 (BZ)	0.0121	Q B C129 J U	0.0200	0.00131	ng/L
PCB 164 (BZ)	ND		0.0200	0.00117	ng/L
PCB 165 (BZ)	ND		0.0200	0.00121	ng/L
PCB 166 (BZ)	ND		0.0200	0.00109	ng/L
PCB 167 (BZ)	ND		0.0200	0.000741	ng/L
PCB 168 (BZ)	0.0119	B C153 J U	0.0200	0.00113	ng/L
PCB 169 (BZ)	ND		0.0200	0.000808	ng/L
PCB 170 (BZ)	0.00297	Q J	0.0200	0.00136	ng/L
PCB 171 (BZ)	ND		0.0200	0.00142	ng/L
PCB 172 (BZ)	ND		0.0200	0.00142	ng/L
PCB 173 (BZ)	ND		0.0200	0.00142	ng/L
PCB 174 (BZ)	0.00365	Q J	0.0200	0.00128	ng/L
PCB 175 (BZ)	ND		0.0200	0.00129	ng/L
PCB 176 (BZ)	ND		0.0200	0.000948	ng/L
PCB 177 (BZ)	0.00243	Q J	0.0200	0.00135	ng/L
PCB 178 (BZ)	ND		0.0200	0.00133	ng/L
PCB 179 (BZ)	0.00243	J	0.0200	0.000989	ng/L
PCB 180 (BZ)	0.00857	B C J U	0.0200	0.00105	ng/L

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Shaw E & I Inc

Sample ID: OU4-07-0216

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 007	Work Order #....:	JQPCK1AA	Matrix....:	WATER
Date Sampled....:	02/16/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0200	0.00122	ng/L
PCB 182 (BZ)	ND		0.0200	0.00122	ng/L
PCB 183 (BZ)	**0.00218**	**Q J**	**0.0200**	**0.00125**	**ng/L**
PCB 184 (BZ)	ND		0.0200	0.00101	ng/L
PCB 185 (BZ)	ND		0.0200	0.00129	ng/L
PCB 186 (BZ)	ND		0.0200	0.000977	ng/L
PCB 187 (BZ)	**0.00533**	**Q J**	**0.0200**	**0.00118**	**ng/L**
PCB 188 (BZ)	ND		0.0200	0.000944	ng/L
PCB 189 (BZ)	ND		0.0200	0.000802	ng/L
PCB 190 (BZ)	ND		0.0200	0.000947	ng/L
PCB 191 (BZ)	ND		0.0200	0.000967	ng/L
PCB 192 (BZ)	ND		0.0200	0.00103	ng/L
PCB 193 (BZ)	**0.00857**	**B C180 J U**	**0.0200**	**0.00105**	**ng/L**
PCB 194 (BZ)	**0.00250**	**J**	**0.0200**	**0.00106**	**ng/L**
PCB 195 (BZ)	ND		0.0200	0.00117	ng/L
PCB 196 (BZ)	ND		0.0200	0.00139	ng/L
PCB 197 (BZ)	ND		0.0200	0.000987	ng/L
PCB 198 (BZ)	**0.00195**	**Q C J**	**0.0200**	**0.00138**	**ng/L**
PCB 201 (BZ)/199 (IUPAC)	**0.00195**	**Q C198 J**	**0.0200**	**0.00138**	**ng/L**
PCB 199 (BZ)/200 (IUPAC)	ND		0.0200	0.00102	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND		0.0200	0.000964	ng/L
PCB 202 (BZ)	ND		0.0200	0.00106	ng/L
PCB 203 (BZ)	ND		0.0200	0.00122	ng/L
PCB 204 (BZ)	ND		0.0200	0.00101	ng/L
PCB 205 (BZ)	ND		0.0200	0.000857	ng/L
PCB 206 (BZ)	ND		0.0200	0.00177	ng/L
PCB 207 (BZ)	ND		0.0200	0.00122	ng/L
PCB 208 (BZ)	ND		0.0200	0.00124	ng/L
PCB 209 (BZ)	ND		0.0200	0.000973	ng/L

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Shaw E & I Inc

Sample ID: OU4-07-0216

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 007	Work Order #....:	JQPCK1AA	Matrix....:	WATER
Date Sampled....:	02/16/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	71		30 - 140
13C12-PCB 3	77		30 - 140
13C12-PCB 4	88		30 - 140
13C12-PCB 15	96		30 - 140
13C12-PCB 19	104		30 - 140
13C12-PCB 37	97		30 - 140
13C12-PCB 54	100		30 - 140
13C12-PCB 77	99		30 - 140
13C12-PCB 81	95		30 - 140
13C12-PCB 104	95		30 - 140
13C12-PCB 105	93		30 - 140
13C12-PCB 114	91		30 - 140
13C12-PCB 118	93		30 - 140
13C12-PCB 123	90		30 - 140
13C12-PCB 126	93		30 - 140
13C12-PCB 155	99		30 - 140
13C12-PCB 156	97	C	30 - 140
13C12-PCB 157	97	C	30 - 140
13C12-PCB 167	95		30 - 140
13C12-PCB 169	85		30 - 140
13C12-PCB 170	95		30 - 140
13C12-PCB 188	86		30 - 140
13C12-PCB 189	93		30 - 140
13C12-PCB 202	96		30 - 140
13C12-PCB 205	95		30 - 140
13C12-PCB 206	91		30 - 140
13C12-PCB 208	100		30 - 140
13C12-PCB 209	91		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	91	40 - 125
13C12-PCB 111	103	40 - 125
13C12-PCB 178	84	40 - 125

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Shaw E & I Inc

Sample ID: OU4-07-0216

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 007	**Work Order #....:**	JQPCK1AA	**Matrix....:**	WATER
Date Sampled....:	02/16/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

4/24/07

Shaw E & I Inc

Sample ID: OU5A-07-0216-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 008	Work Order #....:	JQPCR1AA	Matrix....:	WATER
Date Sampled....:	02/16/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.00131	Q J	0.0196	0.000361	ng/L
PCB 2 (BZ)	0.00234	J	0.0196	0.000370	ng/L
PCB 3 (BZ)	ND		0.0196	0.000338	ng/L
PCB 4 (BZ)	0.0270	Q B J	0.0294	0.00220	ng/L
PCB 5 (BZ)	ND		0.0196	0.00159	ng/L
PCB 6 (BZ)	0.0120	Q B J	0.0196	0.00148	ng/L
PCB 7 (BZ)	0.00198	Q B J U	0.0196	0.00150	ng/L
PCB 8 (BZ)	0.0315	B	0.0294	0.00146	ng/L
PCB 9 (BZ)	0.00205	Q J	0.0196	0.00149	ng/L
PCB 10 (BZ)	0.00114	Q J	0.0196	0.00162	ng/L
PCB 11 (BZ)	0.299	B	0.0294	0.00148	ng/L
PCB 12 (BZ)	0.00468	Q B C J U	0.0294	0.00148	ng/L
PCB 13 (BZ)	0.00468	Q B C12 J U	0.0294	0.00148	ng/L
PCB 14 (BZ)	ND		0.0196	0.00127	ng/L
PCB 15 (BZ)	0.0130	Q B J U	0.0196	0.00146	ng/L
PCB 16 (BZ)	0.0240	Q U	0.0196	0.00144	ng/L
PCB 17 (BZ)	0.0439		0.0196	0.00125	ng/L
PCB 18 (BZ)	0.0980	B	0.0294	0.00132	ng/L
PCB 19 (BZ)	0.00922	J	0.0196	0.00141	ng/L
PCB 20 (BZ)	0.0952	B C	0.0196	0.000664	ng/L
PCB 21 (BZ)	0.0274	B C	0.0196	0.000644	ng/L
PCB 22 (BZ)	0.0220	B	0.0196	0.000675	ng/L
PCB 23 (BZ)	ND		0.0196	0.000680	ng/L
PCB 24 (BZ)	0.00145	Q J	0.0196	0.000933	ng/L
PCB 25 (BZ)	0.0128	J	0.0196	0.000604	ng/L
PCB 26 (BZ)	0.0248	B C	0.0196	0.000650	ng/L
PCB 27 (BZ)	0.00795	Q J	0.0196	0.000855	ng/L
PCB 28 (BZ)	0.0952	B C20	0.0196	0.000664	ng/L
PCB 29 (BZ)	0.0248	B C26	0.0196	0.000650	ng/L
PCB 30 (BZ)	ND		0.0294	0.000887	ng/L
PCB 31 (BZ)	0.0730	B	0.0196	0.000639	ng/L
PCB 32 (BZ)	0.0176	J	0.0196	0.000845	ng/L
PCB 33 (BZ)	0.0274	B C21	0.0196	0.000644	ng/L
PCB 34 (BZ)	ND		0.0196	0.000676	ng/L
PCB 35 (BZ)	0.00102	Q J	0.0196	0.000687	ng/L
PCB 36 (BZ)	ND		0.0196	0.000639	ng/L

4/24/07

Shaw E & I Inc

Sample ID: OU5A-07-0216-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 008	Work Order #....:	JQPCR1AA	Matrix....:	WATER
Date Sampled....:	02/16/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.0167	B J	0.0196	0.000671	ng/L
PCB 38 (BZ)	ND		0.0196	0.000659	ng/L
PCB 39 (BZ)	ND		0.0196	0.000618	ng/L
PCB 40 (BZ)	0.0340	C	0.0196	0.000999	ng/L
PCB 41 (BZ)	0.00366	J	0.0196	0.00132	ng/L
PCB 42 (BZ)	0.0187	J	0.0196	0.00111	ng/L
PCB 43 (BZ)	0.00277	Q C J	0.0196	0.000994	ng/L
PCB 44 (BZ)	0.0883	B C	0.0196	0.000930	ng/L
PCB 45 (BZ)	0.0157	C J U	0.0196	0.00111	ng/L
PCB 46 (BZ)	0.00528	Q J	0.0196	0.00135	ng/L
PCB 47 (BZ)	0.0883	B C44	0.0196	0.000930	ng/L
PCB 48 (BZ)	0.0123	J	0.0196	0.00107	ng/L
PCB 49 (BZ)	0.0502	B	0.0196	0.000947	ng/L
PCB 50 (BZ)	0.0104	Q C J	0.0196	0.00103	ng/L
PCB 51 (BZ)	0.0157	C45 J U	0.0196	0.00111	ng/L
PCB 52 (BZ)	0.0735	B	0.0196	0.00103	ng/L
PCB 53 (BZ)	0.0104	Q C50 J	0.0196	0.00103	ng/L
PCB 54 (BZ)	ND		0.0196	0.00122	ng/L
PCB 55 (BZ)	ND		0.0196	0.000820	ng/L
PCB 56 (BZ)	0.0244		0.0196	0.000774	ng/L
PCB 57 (BZ)	ND		0.0196	0.000797	ng/L
PCB 58 (BZ)	ND		0.0196	0.000756	ng/L
PCB 59 (BZ)	0.00801	C J	0.0196	0.000734	ng/L
PCB 60 (BZ)	0.00805	J	0.0196	0.000799	ng/L
PCB 61 (BZ)	ND		0.0196	0.000800	ng/L
PCB 62 (BZ)	0.00801	C59 J	0.0196	0.000734	ng/L
PCB 63 (BZ)	0.00279	J	0.0196	0.000711	ng/L
PCB 64 (BZ)	0.0241		0.0196	0.000725	ng/L
PCB 65 (BZ)	0.0883	B C44	0.0196	0.000930	ng/L
PCB 66 (BZ)	0.0427	B	0.0196	0.000738	ng/L
PCB 67 (BZ)	0.00151	Q J	0.0196	0.000740	ng/L
PCB 68 (BZ)	0.00568	B J U	0.0196	0.000717	ng/L
PCB 69 (BZ)	ND		0.0196	0.000807	ng/L
PCB 70 (BZ)	0.0668	B C	0.0196	0.000723	ng/L
PCB 71 (BZ)	0.0340	C40	0.0196	0.000999	ng/L
PCB 72 (BZ)	ND		0.0196	0.000757	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU5A-07-0216-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 008	Work Order #....:	JQPCR1AA	Matrix....:	WATER
Date Sampled....:	02/16/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.00277	Q C43 J	0.0196	0.000994	ng/L
PCB 74 (BZ)	0.0668	B C70	0.0196	0.000723	ng/L
PCB 75 (BZ)	0.00801	C59 J	0.0196	0.000734	ng/L
PCB 76 (BZ)	0.0668	B C70	0.0196	0.000723	ng/L
PCB 77 (BZ)	0.00221	Q J	0.0196	0.000783	ng/L
PCB 78 (BZ)	ND		0.0196	0.000806	ng/L
PCB 79 (BZ)	ND		0.0196	0.000695	ng/L
PCB 80 (BZ)	ND		0.0196	0.000672	ng/L
PCB 81 (BZ)	ND		0.0196	0.000733	ng/L
PCB 82 (BZ)	0.00414	Q J	0.0196	0.00186	ng/L
PCB 83 (BZ)	0.0184	C J	0.0196	0.00145	ng/L
PCB 84 (BZ)	0.00842	J	0.0196	0.00166	ng/L
PCB 85 (BZ)	0.00409	Q C J	0.0196	0.00115	ng/L
PCB 86 (BZ)	0.0168	Q C J	0.0196	0.00116	ng/L
PCB 87 (BZ)	0.0168	Q C86 J	0.0196	0.00116	ng/L
PCB 88 (BZ)	ND		0.0196	0.00156	ng/L
PCB 89 (BZ)	ND		0.0196	0.00157	ng/L
PCB 90 (BZ)	0.0208	B C	0.0196	0.00114	ng/L
PCB 91 (BZ)	0.00614	J	0.0196	0.00130	ng/L
PCB 92 (BZ)	0.00523	Q J	0.0196	0.00146	ng/L
PCB 93 (BZ)	ND		0.0196	0.00160	ng/L
PCB 94 (BZ)	ND		0.0196	0.00160	ng/L
PCB 95 (BZ)	0.0204	B C	0.0196	0.00131	ng/L
PCB 96 (BZ)	ND		0.0196	0.00111	ng/L
PCB 97 (BZ)	0.0168	Q C86 J	0.0196	0.00116	ng/L
PCB 98 (BZ)	ND		0.0196	0.00137	ng/L
PCB 99 (BZ)	0.0184	C83 J	0.0196	0.00145	ng/L
PCB 100 (BZ)	0.0204	B C95	0.0196	0.00131	ng/L
PCB 101 (BZ)	0.0208	B C90	0.0196	0.00114	ng/L
PCB 102 (BZ)	ND		0.0196	0.00137	ng/L
PCB 103 (BZ)	ND		0.0196	0.00130	ng/L
PCB 104 (BZ)	ND		0.0196	0.000979	ng/L
PCB 105 (BZ)	0.00620	B J	0.0196	0.000701	ng/L
PCB 106 (BZ)	ND		0.0196	0.000797	ng/L
PCB 107 (BZ)/109 (IUPAC)	0.00228	J	0.0196	0.000777	ng/L
PCB 108 (BZ)/107 (IUPAC)	ND		0.0196	0.000742	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU5A-07-0216-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 008	Work Order #....:	JQPCR1AA	Matrix....:	WATER
Date Sampled....:	02/16/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.0168	Q C86 J	0.0196	0.00116	ng/L
PCB 110 (BZ)	0.0250	Q B C	0.0196	0.000988	ng/L
PCB 111 (BZ)	ND		0.0196	0.000997	ng/L
PCB 112 (BZ)	ND		0.0196	0.00104	ng/L
PCB 113 (BZ)	0.0208	B C90	0.0196	0.00114	ng/L
PCB 114 (BZ)	ND		0.0196	0.000713	ng/L
PCB 115 (BZ)	0.0250	Q B C110	0.0196	0.000988	ng/L
PCB 116 (BZ)	0.00409	Q C85 J	0.0196	0.00115	ng/L
PCB 117 (BZ)	0.00409	Q C85 J	0.0196	0.00115	ng/L
PCB 118 (BZ)	0.0146	B J	0.0196	0.000749	ng/L
PCB 119 (BZ)	0.0168	Q C86 J	0.0196	0.00116	ng/L
PCB 120 (BZ)	ND		0.0196	0.000944	ng/L
PCB 121 (BZ)	ND		0.0196	0.00102	ng/L
PCB 122 (BZ)	ND		0.0196	0.000796	ng/L
PCB 123 (BZ)	ND		0.0196	0.000729	ng/L
PCB 124 (BZ)	ND		0.0196	0.000742	ng/L
PCB 125 (BZ)	0.0168	Q C86 J	0.0196	0.00116	ng/L
PCB 126 (BZ)	ND		0.0196	0.000735	ng/L
PCB 127 (BZ)	ND		0.0196	0.000738	ng/L
PCB 128 (BZ)	0.00176	Q J	0.0196	0.00148	ng/L
PCB 129 (BZ)	0.0114	B C J U	0.0196	0.00123	ng/L
PCB 130 (BZ)	ND		0.0196	0.00161	ng/L
PCB 131 (BZ)	ND		0.0196	0.00160	ng/L
PCB 132 (BZ)	0.00356	Q J	0.0196	0.00160	ng/L
PCB 133 (BZ)	ND		0.0196	0.00148	ng/L
PCB 134 (BZ)	ND		0.0196	0.00160	ng/L
PCB 135 (BZ)	0.00564	C J	0.0196	0.00141	ng/L
PCB 136 (BZ)	0.00178	Q J	0.0196	0.00114	ng/L
PCB 137 (BZ)	ND		0.0196	0.00136	ng/L
PCB 138 (BZ)	0.0114	B C129 J U	0.0196	0.00123	ng/L
PCB 139 (BZ)	ND		0.0196	0.00133	ng/L
PCB 140 (BZ)	ND		0.0196	0.00133	ng/L
PCB 141 (BZ)	ND		0.0196	0.00151	ng/L
PCB 142 (BZ)	ND		0.0196	0.00155	ng/L
PCB 143 (BZ)	ND		0.0196	0.00160	ng/L
PCB 144 (BZ)	ND		0.0196	0.00145	ng/L

4/24/07

Shaw E & I Inc

Sample ID: OU5A-07-0216-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 008	Work Order #....:	JQPCR1AA	Matrix....:	WATER
Date Sampled....:	02/16/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0196	0.00108	ng/L
PCB 146 (BZ)	ND		0.0196	0.00130	ng/L
PCB 147 (BZ)	**0.00893**	**B C J U**	**0.0196**	**0.00132**	**ng/L**
PCB 148 (BZ)	ND		0.0196	0.00147	ng/L
PCB 149 (BZ)	**0.00893**	**B C147 J U**	**0.0196**	**0.00132**	**ng/L**
PCB 150 (BZ)	ND		0.0196	0.00107	ng/L
PCB 151 (BZ)	**0.00564**	**C135 J**	**0.0196**	**0.00141**	**ng/L**
PCB 152 (BZ)	ND		0.0196	0.00108	ng/L
PCB 153 (BZ)	**0.00845**	**B C J U**	**0.0196**	**0.00107**	**ng/L**
PCB 154 (BZ)	**0.00564**	**C135 J**	**0.0196**	**0.00141**	**ng/L**
PCB 155 (BZ)	ND		0.0196	0.000987	ng/L
PCB 156 (BZ)	ND		0.0196	0.00132	ng/L
PCB 157 (BZ)	ND		0.0196	0.00132	ng/L
PCB 158 (BZ)	ND		0.0196	0.000955	ng/L
PCB 159 (BZ)	ND		0.0196	0.00105	ng/L
PCB 160 (BZ)	**0.0114**	**B C129 J U**	**0.0196**	**0.00123**	**ng/L**
PCB 161 (BZ)	ND		0.0196	0.00104	ng/L
PCB 162 (BZ)	ND		0.0196	0.00105	ng/L
PCB 163 (BZ)	**0.0114**	**B C129 J U**	**0.0196**	**0.00123**	**ng/L**
PCB 164 (BZ)	ND		0.0196	0.00110	ng/L
PCB 165 (BZ)	ND		0.0196	0.00115	ng/L
PCB 166 (BZ)	ND		0.0196	0.00103	ng/L
PCB 167 (BZ)	ND		0.0196	0.000722	ng/L
PCB 168 (BZ)	**0.00845**	**B C153 J U**	**0.0196**	**0.00107**	**ng/L**
PCB 169 (BZ)	ND		0.0196	0.000751	ng/L
PCB 170 (BZ)	**0.00266**	**J**	**0.0196**	**0.00129**	**ng/L**
PCB 171 (BZ)	ND		0.0196	0.00134	ng/L
PCB 172 (BZ)	ND		0.0196	0.00133	ng/L
PCB 173 (BZ)	ND		0.0196	0.00134	ng/L
PCB 174 (BZ)	**0.00283**	**Q J**	**0.0196**	**0.00121**	**ng/L**
PCB 175 (BZ)	ND		0.0196	0.00121	ng/L
PCB 176 (BZ)	ND		0.0196	0.000892	ng/L
PCB 177 (BZ)	ND		0.0196	0.00127	ng/L
PCB 178 (BZ)	ND		0.0196	0.00126	ng/L
PCB 179 (BZ)	ND		0.0196	0.000931	ng/L
PCB 180 (BZ)	**0.00479**	**B C J U**	**0.0196**	**0.000985**	**ng/L**

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU5A-07-0216-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 008	Work Order #....:	JQPCR1AA	Matrix....:	WATER
Date Sampled....:	02/16/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0196	0.00115	ng/L
PCB 182 (BZ)	ND		0.0196	0.00115	ng/L
PCB 183 (BZ)	ND		0.0196	0.00118	ng/L
PCB 184 (BZ)	ND		0.0196	0.000948	ng/L
PCB 185 (BZ)	ND		0.0196	0.00122	ng/L
PCB 186 (BZ)	ND		0.0196	0.000919	ng/L
PCB 187 (BZ)	**0.00315**	**Q J**	**0.0196**	**0.00111**	**ng/L**
PCB 188 (BZ)	ND		0.0196	0.000882	ng/L
PCB 189 (BZ)	ND		0.0196	0.000669	ng/L
PCB 190 (BZ)	ND		0.0196	0.000891	ng/L
PCB 191 (BZ)	ND		0.0196	0.000909	ng/L
PCB 192 (BZ)	ND		0.0196	0.000973	ng/L
PCB 193 (BZ)	**0.00479**	**B C180 J** U	**0.0196**	**0.000985**	**ng/L**
PCB 194 (BZ)	ND		0.0196	0.000999	ng/L
PCB 195 (BZ)	ND		0.0196	0.00110	ng/L
PCB 196 (BZ)	ND		0.0196	0.00129	ng/L
PCB 197 (BZ)	ND		0.0196	0.000912	ng/L
PCB 198 (BZ)	ND		0.0196	0.00127	ng/L
PCB 201 (BZ)/199 (IUPAC)	ND		0.0196	0.00127	ng/L
PCB 199 (BZ)/200 (IUPAC)	ND		0.0196	0.000939	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND		0.0196	0.000891	ng/L
PCB 202 (BZ)	ND		0.0196	0.000975	ng/L
PCB 203 (BZ)	ND		0.0196	0.00113	ng/L
PCB 204 (BZ)	ND		0.0196	0.000937	ng/L
PCB 205 (BZ)	ND		0.0196	0.000807	ng/L
PCB 206 (BZ)	ND		0.0196	0.00170	ng/L
PCB 207 (BZ)	ND		0.0196	0.00117	ng/L
PCB 208 (BZ)	ND		0.0196	0.00119	ng/L
PCB 209 (BZ)	ND		0.0196	0.000976	ng/L

4/24/07

Shaw E & I Inc

Sample ID: OU5A-07-0216-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 008	Work Order #....:	JQPCR1AA	Matrix....:	WATER
Date Sampled....:	02/16/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	78		30 - 140
13C12-PCB 3	83		30 - 140
13C12-PCB 4	90		30 - 140
13C12-PCB 15	104		30 - 140
13C12-PCB 19	96		30 - 140
13C12-PCB 37	100		30 - 140
13C12-PCB 54	93		30 - 140
13C12-PCB 77	104		30 - 140
13C12-PCB 81	103		30 - 140
13C12-PCB 104	93		30 - 140
13C12-PCB 105	100		30 - 140
13C12-PCB 114	96		30 - 140
13C12-PCB 118	97		30 - 140
13C12-PCB 123	96		30 - 140
13C12-PCB 126	102		30 - 140
13C12-PCB 155	103		30 - 140
13C12-PCB 156	104	C	30 - 140
13C12-PCB 157	104	C	30 - 140
13C12-PCB 167	102		30 - 140
13C12-PCB 169	90		30 - 140
13C12-PCB 170	101		30 - 140
13C12-PCB 188	94		30 - 140
13C12-PCB 189	105		30 - 140
13C12-PCB 202	102		30 - 140
13C12-PCB 205	102		30 - 140
13C12-PCB 206	100		30 - 140
13C12-PCB 208	107		30 - 140
13C12-PCB 209	98		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 8		50 - 150
13C12-PCB 28	93	40 - 125
13C12-PCB 111	102	40 - 125
13C12-PCB 178	88	40 - 125

MSW 4/24/07

Shaw E & I Inc

Sample ID: OU5A-07-0216-A,C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 008	**Work Order #....:**	JQPCR1AA	**Matrix....:**	WATER
Date Sampled....:	02/16/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

4/24/07

Shaw E & I Inc

Sample ID: OU5A-07-0216-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 009	Work Order #....:	JQPCV1AA	Matrix....:	WATER
Date Sampled....:	02/16/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.00172	Q J	0.0196	0.000275	ng/L
PCB 2 (BZ)	0.00185	Q J	0.0196	0.000305	ng/L
PCB 3 (BZ)	0.00103	Q J	0.0196	0.000302	ng/L
PCB 4 (BZ)	0.0308	Q B	0.0294	0.00182	ng/L
PCB 5 (BZ)	ND		0.0196	0.00135	ng/L
PCB 6 (BZ)	0.0143	Q B J	0.0196	0.00126	ng/L
PCB 7 (BZ)	0.00191	Q B J U	0.0196	0.00128	ng/L
PCB 8 (BZ)	0.0310	Q B	0.0294	0.00124	ng/L
PCB 9 (BZ)	0.00185	Q J	0.0196	0.00127	ng/L
PCB 10 (BZ)	0.00142	Q J	0.0196	0.00138	ng/L
PCB 11 (BZ)	0.238	B	0.0294	0.00127	ng/L
PCB 12 (BZ)	0.00585	Q B C J U	0.0294	0.00126	ng/L
PCB 13 (BZ)	0.00585	Q B C12 J U	0.0294	0.00126	ng/L
PCB 14 (BZ)	ND		0.0196	0.00109	ng/L
PCB 15 (BZ)	0.0125	Q B J U	0.0196	0.00127	ng/L
PCB 16 (BZ)	0.0258		0.0196	0.00115	ng/L
PCB 17 (BZ)	0.0541		0.0196	0.00101	ng/L
PCB 18 (BZ)	0.120	B	0.0294	0.00106	ng/L
PCB 19 (BZ)	0.0109	J	0.0196	0.00113	ng/L
PCB 20 (BZ)	0.0912	B C	0.0196	0.000524	ng/L
PCB 21 (BZ)	0.0264	B C	0.0196	0.000509	ng/L
PCB 22 (BZ)	0.0224	B	0.0196	0.000533	ng/L
PCB 23 (BZ)	ND		0.0196	0.000537	ng/L
PCB 24 (BZ)	ND		0.0196	0.000750	ng/L
PCB 25 (BZ)	0.0130	J	0.0196	0.000477	ng/L
PCB 26 (BZ)	0.0270	B C	0.0196	0.000513	ng/L
PCB 27 (BZ)	0.00942	J	0.0196	0.000687	ng/L
PCB 28 (BZ)	0.0912	B C20	0.0196	0.000524	ng/L
PCB 29 (BZ)	0.0270	B C26	0.0196	0.000513	ng/L
PCB 30 (BZ)	ND		0.0294	0.000713	ng/L
PCB 31 (BZ)	0.0821	B	0.0196	0.000505	ng/L
PCB 32 (BZ)	0.0230		0.0196	0.000679	ng/L
PCB 33 (BZ)	0.0264	B C21	0.0196	0.000509	ng/L
PCB 34 (BZ)	ND		0.0196	0.000534	ng/L
PCB 35 (BZ)	0.00130	J	0.0196	0.000543	ng/L
PCB 36 (BZ)	ND		0.0196	0.000505	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU5A-07-0216-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 009	Work Order #....:	JQPCV1AA	Matrix....:	WATER
Date Sampled....:	02/16/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.0162	B J	0.0196	0.000530	ng/L
PCB 38 (BZ)	ND		0.0196	0.000521	ng/L
PCB 39 (BZ)	0.00135	Q J	0.0196	0.000488	ng/L
PCB 40 (BZ)	0.0352	C	0.0196	0.000853	ng/L
PCB 41 (BZ)	0.00260	Q J	0.0196	0.00112	ng/L
PCB 42 (BZ)	0.0183	Q J	0.0196	0.000946	ng/L
PCB 43 (BZ)	0.00435	C J	0.0196	0.000850	ng/L
PCB 44 (BZ)	0.0820	B C	0.0196	0.000795	ng/L
PCB 45 (BZ)	0.0172	C J U	0.0196	0.000949	ng/L
PCB 46 (BZ)	0.00669	J	0.0196	0.00115	ng/L
PCB 47 (BZ)	0.0820	B C44	0.0196	0.000795	ng/L
PCB 48 (BZ)	0.0137	J	0.0196	0.000918	ng/L
PCB 49 (BZ)	0.0542	B	0.0196	0.000809	ng/L
PCB 50 (BZ)	0.0132	C J	0.0196	0.000878	ng/L
PCB 51 (BZ)	0.0172	C45 J U	0.0196	0.000949	ng/L
PCB 52 (BZ)	0.0758	B	0.0196	0.000878	ng/L
PCB 53 (BZ)	0.0132	C50 J	0.0196	0.000878	ng/L
PCB 54 (BZ)	ND		0.0196	0.00110	ng/L
PCB 55 (BZ)	ND		0.0196	0.000701	ng/L
PCB 56 (BZ)	0.0238		0.0196	0.000661	ng/L
PCB 57 (BZ)	ND		0.0196	0.000681	ng/L
PCB 58 (BZ)	ND		0.0196	0.000646	ng/L
PCB 59 (BZ)	0.00869	C J	0.0196	0.000627	ng/L
PCB 60 (BZ)	0.00763	J	0.0196	0.000683	ng/L
PCB 61 (BZ)	ND		0.0196	0.000683	ng/L
PCB 62 (BZ)	0.00869	C59 J	0.0196	0.000627	ng/L
PCB 63 (BZ)	0.00299	J	0.0196	0.000608	ng/L
PCB 64 (BZ)	0.0257		0.0196	0.000620	ng/L
PCB 65 (BZ)	0.0820	B C44	0.0196	0.000795	ng/L
PCB 66 (BZ)	0.0420	B	0.0196	0.000631	ng/L
PCB 67 (BZ)	0.00189	J	0.0196	0.000632	ng/L
PCB 68 (BZ)	0.00327	Q B J U	0.0196	0.000613	ng/L
PCB 69 (BZ)	ND		0.0196	0.000689	ng/L
PCB 70 (BZ)	0.0658	B C	0.0196	0.000618	ng/L
PCB 71 (BZ)	0.0352	C40	0.0196	0.000853	ng/L
PCB 72 (BZ)	ND		0.0196	0.000647	ng/L

MAW 7/24/07

Shaw E & I Inc

Sample ID: OU5A-07-0216-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 009	Work Order #....:	JQPCV1AA	Matrix....:	WATER
Date Sampled....:	02/16/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	MID	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.00435	C43 J	0.0196	0.000850	ng/L
PCB 74 (BZ)	0.0658	B C70	0.0196	0.000618	ng/L
PCB 75 (BZ)	0.00869	C59 J	0.0196	0.000627	ng/L
PCB 76 (BZ)	0.0658	B C70	0.0196	0.000618	ng/L
PCB 77 (BZ)	0.00301	Q J	0.0196	0.000663	ng/L
PCB 78 (BZ)	ND		0.0196	0.000689	ng/L
PCB 79 (BZ)	ND		0.0196	0.000593	ng/L
PCB 80 (BZ)	ND		0.0196	0.000574	ng/L
PCB 81 (BZ)	ND		0.0196	0.000632	ng/L
PCB 82 (BZ)	ND		0.0196	0.00160	ng/L
PCB 83 (BZ)	0.0190	C J	0.0196	0.00125	ng/L
PCB 84 (BZ)	0.0107	J	0.0196	0.00143	ng/L
PCB 85 (BZ)	0.00578	C J	0.0196	0.000989	ng/L
PCB 86 (BZ)	0.0203	C	0.0196	0.00100	ng/L
PCB 87 (BZ)	0.0203	C86	0.0196	0.00100	ng/L
PCB 88 (BZ)	ND		0.0196	0.00134	ng/L
PCB 89 (BZ)	ND		0.0196	0.00135	ng/L
PCB 90 (BZ)	0.0289	B C	0.0196	0.000978	ng/L
PCB 91 (BZ)	0.00436	Q J	0.0196	0.00112	ng/L
PCB 92 (BZ)	0.00709	J	0.0196	0.00125	ng/L
PCB 93 (BZ)	ND		0.0196	0.00138	ng/L
PCB 94 (BZ)	ND		0.0196	0.00138	ng/L
PCB 95 (BZ)	0.0218	B C	0.0196	0.00113	ng/L
PCB 96 (BZ)	ND		0.0196	0.000955	ng/L
PCB 97 (BZ)	0.0203	C86	0.0196	0.00100	ng/L
PCB 98 (BZ)	ND		0.0196	0.00118	ng/L
PCB 99 (BZ)	0.0190	C83 J	0.0196	0.00125	ng/L
PCB 100 (BZ)	0.0218	B C95	0.0196	0.00113	ng/L
PCB 101 (BZ)	0.0289	B C90	0.0196	0.000978	ng/L
PCB 102 (BZ)	ND		0.0196	0.00118	ng/L
PCB 103 (BZ)	ND		0.0196	0.00112	ng/L
PCB 104 (BZ)	ND		0.0196	0.000842	ng/L
PCB 105 (BZ)	0.00827	Q B J	0.0196	0.000593	ng/L
PCB 106 (BZ)	ND		0.0196	0.000691	ng/L
PCB 107 (BZ)/109 (IUPAC)	0.00252	Q J	0.0196	0.000673	ng/L
PCB 108 (BZ)/107 (IUPAC)	ND		0.0196	0.000643	ng/L

4/24/07

Shaw E & I Inc

Sample ID: OU5A-07-0216-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 009	Work Order #....:	JQPCV1AA	Matrix....:	WATER
Date Sampled....:	02/16/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.0203	C86	0.0196	0.00100	ng/L
PCB 110 (BZ)	0.0323	B C	0.0196	0.000850	ng/L
PCB 111 (BZ)	ND		0.0196	0.000858	ng/L
PCB 112 (BZ)	ND		0.0196	0.000897	ng/L
PCB 113 (BZ)	0.0289	B C90	0.0196	0.000978	ng/L
PCB 114 (BZ)	ND		0.0196	0.000628	ng/L
PCB 115 (BZ)	0.0323	B C110	0.0196	0.000850	ng/L
PCB 116 (BZ)	0.00578	C85 J	0.0196	0.000989	ng/L
PCB 117 (BZ)	0.00578	C85 J	0.0196	0.000989	ng/L
PCB 118 (BZ)	0.0205	B	0.0196	0.000620	ng/L
PCB 119 (BZ)	0.0203	C86	0.0196	0.00100	ng/L
PCB 120 (BZ)	ND		0.0196	0.000812	ng/L
PCB 121 (BZ)	ND		0.0196	0.000876	ng/L
PCB 122 (BZ)	ND		0.0196	0.000690	ng/L
PCB 123 (BZ)	ND		0.0196	0.000639	ng/L
PCB 124 (BZ)	ND		0.0196	0.000643	ng/L
PCB 125 (BZ)	0.0203	C86	0.0196	0.00100	ng/L
PCB 126 (BZ)	ND		0.0196	0.000666	ng/L
PCB 127 (BZ)	ND		0.0196	0.000639	ng/L
PCB 128 (BZ)	0.00334	J	0.0196	0.00122	ng/L
PCB 129 (BZ)	0.0183	B C J U	0.0196	0.00101	ng/L
PCB 130 (BZ)	ND		0.0196	0.00132	ng/L
PCB 131 (BZ)	ND		0.0196	0.00131	ng/L
PCB 132 (BZ)	0.00617	J	0.0196	0.00132	ng/L
PCB 133 (BZ)	ND		0.0196	0.00122	ng/L
PCB 134 (BZ)	ND		0.0196	0.00131	ng/L
PCB 135 (BZ)	0.00658	Q C J	0.0196	0.00107	ng/L
PCB 136 (BZ)	ND		0.0196	0.000865	ng/L
PCB 137 (BZ)	ND		0.0196	0.00112	ng/L
PCB 138 (BZ)	0.0183	B C129 J U	0.0196	0.00101	ng/L
PCB 139 (BZ)	ND		0.0196	0.00109	ng/L
PCB 140 (BZ)	ND		0.0196	0.00109	ng/L
PCB 141 (BZ)	0.00499	J	0.0196	0.00124	ng/L
PCB 142 (BZ)	ND		0.0196	0.00127	ng/L
PCB 143 (BZ)	ND		0.0196	0.00131	ng/L
PCB 144 (BZ)	ND		0.0196	0.00110	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU5A-07-0216-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 009	Work Order #....:	JQPCV1AA	Matrix....:	WATER
Date Sampled....:	02/16/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0196	0.000819	ng/L
PCB 146 (BZ)	0.00311	J	0.0196	0.00107	ng/L
PCB 147 (BZ)	0.0132	B C J U	0.0196	0.00109	ng/L
PCB 148 (BZ)	ND		0.0196	0.00112	ng/L
PCB 149 (BZ)	0.0132	B C147 J U	0.0196	0.00109	ng/L
PCB 150 (BZ)	ND		0.0196	0.000810	ng/L
PCB 151 (BZ)	0.00658	Q C135 J	0.0196	0.00107	ng/L
PCB 152 (BZ)	ND		0.0196	0.000817	ng/L
PCB 153 (BZ)	0.0142	B C J U	0.0196	0.000875	ng/L
PCB 154 (BZ)	0.00658	Q C135 J	0.0196	0.00107	ng/L
PCB 155 (BZ)	ND		0.0196	0.000749	ng/L
PCB 156 (BZ)	0.00189	Q C J	0.0196	0.00110	ng/L
PCB 157 (BZ)	0.00189	Q C156 J	0.0196	0.00110	ng/L
PCB 158 (BZ)	0.00183	J	0.0196	0.000785	ng/L
PCB 159 (BZ)	ND		0.0196	0.000867	ng/L
PCB 160 (BZ)	0.0183	B C129 J U	0.0196	0.00101	ng/L
PCB 161 (BZ)	ND		0.0196	0.000858	ng/L
PCB 162 (BZ)	ND		0.0196	0.000867	ng/L
PCB 163 (BZ)	0.0183	B C129 J U	0.0196	0.00101	ng/L
PCB 164 (BZ)	0.00135	J	0.0196	0.000905	ng/L
PCB 165 (BZ)	ND		0.0196	0.000942	ng/L
PCB 166 (BZ)	ND		0.0196	0.000849	ng/L
PCB 167 (BZ)	ND		0.0196	0.000596	ng/L
PCB 168 (BZ)	0.0142	B C153 J U	0.0196	0.000875	ng/L
PCB 169 (BZ)	ND		0.0196	0.000606	ng/L
PCB 170 (BZ)	0.00407	Q J	0.0196	0.000967	ng/L
PCB 171 (BZ)	0.00266	C J	0.0196	0.00101	ng/L
PCB 172 (BZ)	ND		0.0196	0.00100	ng/L
PCB 173 (BZ)	0.00266	C171 J	0.0196	0.00101	ng/L
PCB 174 (BZ)	0.00429	J	0.0196	0.000909	ng/L
PCB 175 (BZ)	ND		0.0196	0.000913	ng/L
PCB 176 (BZ)	ND		0.0196	0.000671	ng/L
PCB 177 (BZ)	0.00219	J	0.0196	0.000955	ng/L
PCB 178 (BZ)	ND		0.0196	0.000944	ng/L
PCB 179 (BZ)	0.00200	J	0.0196	0.000700	ng/L
PCB 180 (BZ)	0.00795	B C J U	0.0196	0.000741	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU5A-07-0216-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 009	Work Order #....:	JQPCV1AA	Matrix....:	WATER
Date Sampled....:	02/16/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0196	0.000862	ng/L
PCB 182 (BZ)	ND		0.0196	0.000864	ng/L
PCB 183 (BZ)	**0.00247**	**J**	**0.0196**	**0.000888**	**ng/L**
PCB 184 (BZ)	ND		0.0196	0.000713	ng/L
PCB 185 (BZ)	ND		0.0196	0.000914	ng/L
PCB 186 (BZ)	ND		0.0196	0.000692	ng/L
PCB 187 (BZ)	**0.00504**	**J**	**0.0196**	**0.000833**	**ng/L**
PCB 188 (BZ)	ND		0.0196	0.000665	ng/L
PCB 189 (BZ)	ND		0.0196	0.000532	ng/L
PCB 190 (BZ)	ND		0.0196	0.000670	ng/L
PCB 191 (BZ)	ND		0.0196	0.000684	ng/L
PCB 192 (BZ)	ND		0.0196	0.000732	ng/L
PCB 193 (BZ)	**0.00795**	**B C180 J** u	**0.0196**	**0.000741**	**ng/L**
PCB 194 (BZ)	**0.00139**	**Q J**	**0.0196**	**0.000782**	**ng/L**
PCB 195 (BZ)	ND		0.0196	0.000860	ng/L
PCB 196 (BZ)	ND		0.0196	0.00102	ng/L
PCB 197 (BZ)	ND		0.0196	0.000720	ng/L
PCB 198 (BZ)	**0.00269**	**Q C J**	**0.0196**	**0.00100**	**ng/L**
PCB 201 (BZ)/199 (IUPAC)	**0.00269**	**Q C198 J**	**0.0196**	**0.00100**	**ng/L**
PCB 199 (BZ)/200 (IUPAC)	ND		0.0196	0.000741	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND		0.0196	0.000703	ng/L
PCB 202 (BZ)	ND		0.0196	0.000770	ng/L
PCB 203 (BZ)	**0.00119**	**Q J**	**0.0196**	**0.000893**	**ng/L**
PCB 204 (BZ)	ND		0.0196	0.000740	ng/L
PCB 205 (BZ)	ND		0.0196	0.000631	ng/L
PCB 206 (BZ)	ND		0.0196	0.00132	ng/L
PCB 207 (BZ)	ND		0.0196	0.000954	ng/L
PCB 208 (BZ)	ND		0.0196	0.00100	ng/L
PCB 209 (BZ)	ND		0.0196	0.000964	ng/L

4/24/07

Shaw E & I Inc

Sample ID: OU5A-07-0216-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 009	Work Order #....:	JQPCV1AA	Matrix....:	WATER
Date Sampled....:	02/16/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	86		30 - 140
13C12-PCB 3	88		30 - 140
13C12-PCB 4	99		30 - 140
13C12-PCB 15	106		30 - 140
13C12-PCB 19	90		30 - 140
13C12-PCB 37	102		30 - 140
13C12-PCB 54	84		30 - 140
13C12-PCB 77	101		30 - 140
13C12-PCB 81	101		30 - 140
13C12-PCB 104	93		30 - 140
13C12-PCB 105	100		30 - 140
13C12-PCB 114	97		30 - 140
13C12-PCB 118	102		30 - 140
13C12-PCB 123	99		30 - 140
13C12-PCB 126	99		30 - 140
13C12-PCB 155	102		30 - 140
13C12-PCB 156	108	C	30 - 140
13C12-PCB 157	108	C	30 - 140
13C12-PCB 167	104		30 - 140
13C12-PCB 169	94		30 - 140
13C12-PCB 170	99		30 - 140
13C12-PCB 188	89		30 - 140
13C12-PCB 189	100		30 - 140
13C12-PCB 202	97		30 - 140
13C12-PCB 205	101		30 - 140
13C12-PCB 206	103		30 - 140
13C12-PCB 208	106		30 - 140
13C12-PCB 209	100		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	91	40 - 125
13C12-PCB 111	101	40 - 125
13C12-PCB 178	83	40 - 125

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU5A-07-0216-B,D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 009	**Work Order #....:**	JQPCV1AA	**Matrix....:**	WATER
Date Sampled....:	02/16/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2040 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result

Q Estimated maximum possible concentration (EMPC).

4/24/07

Shaw E & I Inc

Sample ID: OU5C-07-0219-C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 010	Work Order #....:	JQPC01AA	Matrix....:	WATER
Date Sampled....:	02/19/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.000784	Q J	0.0200	0.000227	ng/L
PCB 2 (BZ)	0.000730	Q J	0.0200	0.000253	ng/L
PCB 3 (BZ)	ND		0.0200	0.000253	ng/L
PCB 4 (BZ)	0.00584	Q B J U	0.0300	0.00177	ng/L
PCB 5 (BZ)	ND		0.0200	0.00122	ng/L
PCB 6 (BZ)	0.00192	Q B J U	0.0200	0.00114	ng/L
PCB 7 (BZ)	0.00103	Q B J U	0.0200	0.00115	ng/L
PCB 8 (BZ)	0.00698	Q B J U	0.0300	0.00112	ng/L
PCB 9 (BZ)	ND		0.0200	0.00114	ng/L
PCB 10 (BZ)	ND		0.0200	0.00125	ng/L
PCB 11 (BZ)	0.0455	B	0.0300	0.00114	ng/L
PCB 12 (BZ)	0.00190	Q B C J U	0.0300	0.00114	ng/L
PCB 13 (BZ)	0.00190	Q B C12 J U	0.0300	0.00114	ng/L
PCB 14 (BZ)	ND		0.0200	0.000980	ng/L
PCB 15 (BZ)	0.00502	Q B J U	0.0200	0.00109	ng/L
PCB 16 (BZ)	0.00434	Q J U	0.0200	0.00103	ng/L
PCB 17 (BZ)	0.00548	J	0.0200	0.000903	ng/L
PCB 18 (BZ)	0.0142	B J U	0.0300	0.000948	ng/L
PCB 19 (BZ)	ND		0.0200	0.00102	ng/L
PCB 20 (BZ)	0.0190	B C J	0.0200	0.000431	ng/L
PCB 21 (BZ)	0.00701	Q B C J U	0.0200	0.000419	ng/L
PCB 22 (BZ)	0.00556	B J U	0.0200	0.000438	ng/L
PCB 23 (BZ)	ND		0.0200	0.000442	ng/L
PCB 24 (BZ)	ND		0.0200	0.000672	ng/L
PCB 25 (BZ)	0.00178	Q J	0.0200	0.000392	ng/L
PCB 26 (BZ)	0.00344	B C J	0.0200	0.000422	ng/L
PCB 27 (BZ)	ND		0.0200	0.000615	ng/L
PCB 28 (BZ)	0.0190	B C20 J	0.0200	0.000431	ng/L
PCB 29 (BZ)	0.00344	B C26 J	0.0200	0.000422	ng/L
PCB 30 (BZ)	ND		0.0300	0.000639	ng/L
PCB 31 (BZ)	0.0143	B J U	0.0200	0.000415	ng/L
PCB 32 (BZ)	0.00284	J U	0.0200	0.000609	ng/L
PCB 33 (BZ)	0.00701	Q B C21 J U	0.0200	0.000419	ng/L
PCB 34 (BZ)	ND		0.0200	0.000439	ng/L
PCB 35 (BZ)	ND		0.0200	0.000447	ng/L
PCB 36 (BZ)	ND		0.0200	0.000415	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU5C-07-0219-C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 010	Work Order #....:	JQPC01AA	Matrix....:	WATER
Date Sampled....:	02/19/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.00590	B J	0.0200	0.000436	ng/L
PCB 38 (BZ)	ND		0.0200	0.000428	ng/L
PCB 39 (BZ)	ND		0.0200	0.000401	ng/L
PCB 40 (BZ)	0.00640	C J U	0.0200	0.000720	ng/L
PCB 41 (BZ)	ND		0.0200	0.000949	ng/L
PCB 42 (BZ)	0.00469	J	0.0200	0.000798	ng/L
PCB 43 (BZ)	ND		0.0200	0.000717	ng/L
PCB 44 (BZ)	0.0271	B C U	0.0200	0.000670	ng/L
PCB 45 (BZ)	0.00411	C J U	0.0200	0.000801	ng/L
PCB 46 (BZ)	ND		0.0200	0.000972	ng/L
PCB 47 (BZ)	0.0271	B C44 U	0.0200	0.000670	ng/L
PCB 48 (BZ)	0.00272	Q J	0.0200	0.000775	ng/L
PCB 49 (BZ)	0.0107	B J	0.0200	0.000683	ng/L
PCB 50 (BZ)	0.00192	C J	0.0200	0.000740	ng/L
PCB 51 (BZ)	0.00411	C45 J U	0.0200	0.000801	ng/L
PCB 52 (BZ)	0.0163	B J	0.0200	0.000741	ng/L
PCB 53 (BZ)	0.00192	C50 J	0.0200	0.000740	ng/L
PCB 54 (BZ)	ND		0.0200	0.000870	ng/L
PCB 55 (BZ)	ND		0.0200	0.000591	ng/L
PCB 56 (BZ)	0.00823	J	0.0200	0.000557	ng/L
PCB 57 (BZ)	ND		0.0200	0.000575	ng/L
PCB 58 (BZ)	ND		0.0200	0.000545	ng/L
PCB 59 (BZ)	0.00239	C J	0.0200	0.000529	ng/L
PCB 60 (BZ)	0.00282	Q J	0.0200	0.000576	ng/L
PCB 61 (BZ)	ND		0.0200	0.000577	ng/L
PCB 62 (BZ)	0.00239	C59 J	0.0200	0.000529	ng/L
PCB 63 (BZ)	ND		0.0200	0.000513	ng/L
PCB 64 (BZ)	0.00678	J	0.0200	0.000523	ng/L
PCB 65 (BZ)	0.0271	B C44 U	0.0200	0.000670	ng/L
PCB 66 (BZ)	0.0156	Q B J	0.0200	0.000532	ng/L
PCB 67 (BZ)	ND		0.0200	0.000533	ng/L
PCB 68 (BZ)	0.00301	B J U	0.0200	0.000517	ng/L
PCB 69 (BZ)	ND		0.0200	0.000581	ng/L
PCB 70 (BZ)	0.0245	B C	0.0200	0.000521	ng/L
PCB 71 (BZ)	0.00640	C40 J U	0.0200	0.000720	ng/L
PCB 72 (BZ)	ND		0.0200	0.000546	ng/L

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Shaw E & I Inc

Sample ID: OU5C-07-0219-C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 010	**Work Order #....:**	JQPC01AA	**Matrix....:**	WATER
Date Sampled....:	02/19/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	**Instrument ID....:**	MID	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.0200	0.000717	ng/L
PCB 74 (BZ)	**0.0245**	**B C70**	**0.0200**	**0.000521**	**ng/L**
PCB 75 (BZ)	**0.00239**	**C59 J**	**0.0200**	**0.000529**	**ng/L**
PCB 76 (BZ)	**0.0245**	**B C70**	**0.0200**	**0.000521**	**ng/L**
PCB 77 (BZ)	ND		0.0200	0.000566	ng/L
PCB 78 (BZ)	ND		0.0200	0.000581	ng/L
PCB 79 (BZ)	ND		0.0200	0.000501	ng/L
PCB 80 (BZ)	ND		0.0200	0.000485	ng/L
PCB 81 (BZ)	ND		0.0200	0.000526	ng/L
PCB 82 (BZ)	ND		0.0200	0.00123	ng/L
PCB 83 (BZ)	**0.00733**	**C J**	**0.0200**	**0.000956**	**ng/L**
PCB 84 (BZ)	**0.00441**	**J**	**0.0200**	**0.00109**	**ng/L**
PCB 85 (BZ)	**0.00179**	**Q C J**	**0.0200**	**0.000758**	**ng/L**
PCB 86 (BZ)	**0.00884**	**Q C J**	**0.0200**	**0.000768**	**ng/L**
PCB 87 (BZ)	**0.00884**	**Q C86 J**	**0.0200**	**0.000768**	**ng/L**
PCB 88 (BZ)	ND		0.0200	0.00103	ng/L
PCB 89 (BZ)	ND		0.0200	0.00104	ng/L
PCB 90 (BZ)	**0.0118**	**B C J** u	**0.0200**	**0.000750**	**ng/L**
PCB 91 (BZ)	ND		0.0200	0.000860	ng/L
PCB 92 (BZ)	ND		0.0200	0.000961	ng/L
PCB 93 (BZ)	ND		0.0200	0.00106	ng/L
PCB 94 (BZ)	ND		0.0200	0.00106	ng/L
PCB 95 (BZ)	**0.00626**	**Q B C J** u	**0.0200**	**0.000865**	**ng/L**
PCB 96 (BZ)	ND		0.0200	0.000733	ng/L
PCB 97 (BZ)	**0.00884**	**Q C86 J**	**0.0200**	**0.000768**	**ng/L**
PCB 98 (BZ)	ND		0.0200	0.000903	ng/L
PCB 99 (BZ)	**0.00733**	**C83 J**	**0.0200**	**0.000956**	**ng/L**
PCB 100 (BZ)	**0.00626**	**Q B C95 J** u	**0.0200**	**0.000865**	**ng/L**
PCB 101 (BZ)	**0.0118**	**B C90 J** u	**0.0200**	**0.000750**	**ng/L**
PCB 102 (BZ)	ND		0.0200	0.000903	ng/L
PCB 103 (BZ)	ND		0.0200	0.000857	ng/L
PCB 104 (BZ)	ND		0.0200	0.000646	ng/L
PCB 105 (BZ)	**0.00372**	**Q B J** u	**0.0200**	**0.000512**	**ng/L**
PCB 106 (BZ)	ND		0.0200	0.000584	ng/L
PCB 107 (BZ)/109 (IUPAC)	ND		0.0200	0.000569	ng/L
PCB 108 (BZ)/107 (IUPAC)	ND		0.0200	0.000544	ng/L

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Shaw E & I Inc

Sample ID: OU5C-07-0219-C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 010	Work Order #....:	JQPC01AA	Matrix....:	WATER
Date Sampled....:	02/19/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.00884	Q C86 J	0.0200	0.000768	ng/L
PCB 110 (BZ)	0.0136	B C J U	0.0200	0.000652	ng/L
PCB 111 (BZ)	ND		0.0200	0.000658	ng/L
PCB 112 (BZ)	ND		0.0200	0.000688	ng/L
PCB 113 (BZ)	0.0118	B C90 J U	0.0200	0.000750	ng/L
PCB 114 (BZ)	ND		0.0200	0.000517	ng/L
PCB 115 (BZ)	0.0136	B C110 J U	0.0200	0.000652	ng/L
PCB 116 (BZ)	0.00179	Q C85 J	0.0200	0.000758	ng/L
PCB 117 (BZ)	0.00179	Q C85 J	0.0200	0.000758	ng/L
PCB 118 (BZ)	0.00926	B J U	0.0200	0.000536	ng/L
PCB 119 (BZ)	0.00884	Q C86 J	0.0200	0.000768	ng/L
PCB 120 (BZ)	ND		0.0200	0.000623	ng/L
PCB 121 (BZ)	ND		0.0200	0.000672	ng/L
PCB 122 (BZ)	ND		0.0200	0.000583	ng/L
PCB 123 (BZ)	ND		0.0200	0.000553	ng/L
PCB 124 (BZ)	ND		0.0200	0.000544	ng/L
PCB 125 (BZ)	0.00884	Q C86 J	0.0200	0.000768	ng/L
PCB 126 (BZ)	ND		0.0200	0.000540	ng/L
PCB 127 (BZ)	ND		0.0200	0.000541	ng/L
PCB 128 (BZ)	ND		0.0200	0.00108	ng/L
PCB 129 (BZ)	0.0110	B C J U	0.0200	0.000903	ng/L
PCB 130 (BZ)	ND		0.0200	0.00117	ng/L
PCB 131 (BZ)	ND		0.0200	0.00117	ng/L
PCB 132 (BZ)	0.00278	Q J	0.0200	0.00117	ng/L
PCB 133 (BZ)	ND		0.0200	0.00108	ng/L
PCB 134 (BZ)	ND		0.0200	0.00117	ng/L
PCB 135 (BZ)	0.00392	Q C J	0.0200	0.000975	ng/L
PCB 136 (BZ)	0.00133	J	0.0200	0.000787	ng/L
PCB 137 (BZ)	ND		0.0200	0.000996	ng/L
PCB 138 (BZ)	0.0110	B C129 J U	0.0200	0.000903	ng/L
PCB 139 (BZ)	ND		0.0200	0.000972	ng/L
PCB 140 (BZ)	ND		0.0200	0.000972	ng/L
PCB 141 (BZ)	0.00239	Q J	0.0200	0.00110	ng/L
PCB 142 (BZ)	ND		0.0200	0.00113	ng/L
PCB 143 (BZ)	ND		0.0200	0.00117	ng/L
PCB 144 (BZ)	ND		0.0200	0.00100	ng/L

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Shaw E & I Inc

Sample ID: OU5C-07-0219-C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 010	Work Order #....:	JQPC01AA	Matrix....:	WATER
Date Sampled....:	02/19/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0200	0.000746	ng/L
PCB 146 (BZ)	ND		0.0200	0.000952	ng/L
PCB 147 (BZ)	0.00572	B C J U	0.0200	0.000966	ng/L
PCB 148 (BZ)	ND		0.0200	0.00102	ng/L
PCB 149 (BZ)	0.00572	B C147 J U	0.0200	0.000966	ng/L
PCB 150 (BZ)	ND		0.0200	0.000737	ng/L
PCB 151 (BZ)	0.00392	Q C135 J	0.0200	0.000975	ng/L
PCB 152 (BZ)	ND		0.0200	0.000744	ng/L
PCB 153 (BZ)	0.00855	B C J U	0.0200	0.000779	ng/L
PCB 154 (BZ)	0.00392	Q C135 J	0.0200	0.000975	ng/L
PCB 155 (BZ)	ND		0.0200	0.000681	ng/L
PCB 156 (BZ)	0.00129	Q C J	0.0200	0.000969	ng/L
PCB 157 (BZ)	0.00129	Q C156 J	0.0200	0.000969	ng/L
PCB 158 (BZ)	0.000839	Q J	0.0200	0.000699	ng/L
PCB 159 (BZ)	ND		0.0200	0.000771	ng/L
PCB 160 (BZ)	0.0110	B C129 J U	0.0200	0.000903	ng/L
PCB 161 (BZ)	ND		0.0200	0.000764	ng/L
PCB 162 (BZ)	ND		0.0200	0.000771	ng/L
PCB 163 (BZ)	0.0110	B C129 J U	0.0200	0.000903	ng/L
PCB 164 (BZ)	ND		0.0200	0.000805	ng/L
PCB 165 (BZ)	ND		0.0200	0.000838	ng/L
PCB 166 (BZ)	ND		0.0200	0.000755	ng/L
PCB 167 (BZ)	ND		0.0200	0.000532	ng/L
PCB 168 (BZ)	0.00855	B C153 J U	0.0200	0.000779	ng/L
PCB 169 (BZ)	ND		0.0200	0.000542	ng/L
PCB 170 (BZ)	0.00249	J	0.0200	0.000881	ng/L
PCB 171 (BZ)	ND		0.0200	0.000905	ng/L
PCB 172 (BZ)	ND		0.0200	0.000901	ng/L
PCB 173 (BZ)	ND		0.0200	0.000905	ng/L
PCB 174 (BZ)	0.00218	Q J	0.0200	0.000817	ng/L
PCB 175 (BZ)	ND		0.0200	0.000821	ng/L
PCB 176 (BZ)	ND		0.0200	0.000603	ng/L
PCB 177 (BZ)	ND		0.0200	0.000859	ng/L
PCB 178 (BZ)	ND		0.0200	0.000849	ng/L
PCB 179 (BZ)	ND		0.0200	0.000629	ng/L
PCB 180 (BZ)	0.00603	B C J U	0.0200	0.000666	ng/L

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Shaw E & I Inc

Sample ID: OU5C-07-0219-C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 010	Work Order #....:	JQPC01AA	Matrix....:	WATER
Date Sampled....:	02/19/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0200	0.000775	ng/L
PCB 182 (BZ)	ND		0.0200	0.000777	ng/L
PCB 183 (BZ)	**0.00134**	**Q J**	**0.0200**	**0.000798**	**ng/L**
PCB 184 (BZ)	ND		0.0200	0.000641	ng/L
PCB 185 (BZ)	ND		0.0200	0.000822	ng/L
PCB 186 (BZ)	ND		0.0200	0.000622	ng/L
PCB 187 (BZ)	**0.00356**	**Q J**	**0.0200**	**0.000749**	**ng/L**
PCB 188 (BZ)	ND		0.0200	0.000593	ng/L
PCB 189 (BZ)	ND		0.0200	0.000500	ng/L
PCB 190 (BZ)	ND		0.0200	0.000603	ng/L
PCB 191 (BZ)	ND		0.0200	0.000615	ng/L
PCB 192 (BZ)	ND		0.0200	0.000658	ng/L
PCB 193 (BZ)	**0.00603**	**B C180 J** u	**0.0200**	**0.000666**	**ng/L**
PCB 194 (BZ)	**0.00151**	**Q J**	**0.0200**	**0.000722**	**ng/L**
PCB 195 (BZ)	ND		0.0200	0.000794	ng/L
PCB 196 (BZ)	ND		0.0200	0.000889	ng/L
PCB 197 (BZ)	ND		0.0200	0.000630	ng/L
PCB 198 (BZ)	**0.00240**	**C J**	**0.0200**	**0.000879**	**ng/L**
PCB 201 (BZ)/199 (IUPAC)	**0.00240**	**C198 J**	**0.0200**	**0.000879**	**ng/L**
PCB 199 (BZ)/200 (IUPAC)	ND		0.0200	0.000648	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND		0.0200	0.000615	ng/L
PCB 202 (BZ)	ND		0.0200	0.000673	ng/L
PCB 203 (BZ)	ND		0.0200	0.000781	ng/L
PCB 204 (BZ)	ND		0.0200	0.000647	ng/L
PCB 205 (BZ)	ND		0.0200	0.000583	ng/L
PCB 206 (BZ)	**0.00181**	**J**	**0.0200**	**0.00119**	**ng/L**
PCB 207 (BZ)	ND		0.0200	0.000802	ng/L
PCB 208 (BZ)	ND		0.0200	0.000808	ng/L
PCB 209 (BZ)	ND		0.0200	0.000717	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU5C-07-0219-C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 010	Work Order #....:	JQPC01AA	Matrix....:	WATER
Date Sampled....:	02/19/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	84		30 - 140
13C12-PCB 3	86		30 - 140
13C12-PCB 4	96		30 - 140
13C12-PCB 15	111		30 - 140
13C12-PCB 19	93		30 - 140
13C12-PCB 37	103		30 - 140
13C12-PCB 54	94		30 - 140
13C12-PCB 77	103		30 - 140
13C12-PCB 81	93		30 - 140
13C12-PCB 104	99		30 - 140
13C12-PCB 105	105		30 - 140
13C12-PCB 114	102		30 - 140
13C12-PCB 118	104		30 - 140
13C12-PCB 123	101		30 - 140
13C12-PCB 126	103		30 - 140
13C12-PCB 155	106		30 - 140
13C12-PCB 156	114	C	30 - 140
13C12-PCB 157	114	C	30 - 140
13C12-PCB 167	111		30 - 140
13C12-PCB 169	99		30 - 140
13C12-PCB 170	107		30 - 140
13C12-PCB 188	95		30 - 140
13C12-PCB 189	107		30 - 140
13C12-PCB 202	106		30 - 140
13C12-PCB 205	105		30 - 140
13C12-PCB 206	105		30 - 140
13C12-PCB 208	113		30 - 140
13C12-PCB 209	104		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	89	40 - 125
13C12-PCB 111	103	40 - 125
13C12-PCB 178	86	40 - 125

4/24/07

Shaw E & I Inc

Sample ID: OU5C-07-0219-C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 010	**Work Order #....:**	JQPC01AA	**Matrix....:**	WATER
Date Sampled....:	02/19/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

MAM 4/24/07

Shaw E & I Inc

Sample ID: OU5C-07-0219-D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 011	Work Order #....:	JQPC31AA	Matrix....:	WATER
Date Sampled....:	02/19/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	0.000965	Q J	0.0200	0.000405	ng/L
PCB 2 (BZ)	0.000952	Q J	0.0200	0.000423	ng/L
PCB 3 (BZ)	ND		0.0200	0.000394	ng/L
PCB 4 (BZ)	0.00457	Q B J U	0.0300	0.00251	ng/L
PCB 5 (BZ)	ND		0.0200	0.00170	ng/L
PCB 6 (BZ)	0.00326	Q B J U	0.0200	0.00159	ng/L
PCB 7 (BZ)	0.00160	Q B J U	0.0200	0.00161	ng/L
PCB 8 (BZ)	0.00616	Q B J U	0.0300	0.00156	ng/L
PCB 9 (BZ)	0.00131	Q J	0.0200	0.00159	ng/L
PCB 10 (BZ)	0.000962	Q J	0.0200	0.00174	ng/L
PCB 11 (BZ)	0.0475	B	0.0300	0.00159	ng/L
PCB 12 (BZ)	0.00338	Q B C J U	0.0300	0.00158	ng/L
PCB 13 (BZ)	0.00338	Q B C12 J U	0.0300	0.00158	ng/L
PCB 14 (BZ)	ND		0.0200	0.00136	ng/L
PCB 15 (BZ)	0.00393	Q B J U	0.0200	0.00150	ng/L
PCB 16 (BZ)	0.00527	J U	0.0200	0.00137	ng/L
PCB 17 (BZ)	0.00409	Q J	0.0200	0.00120	ng/L
PCB 18 (BZ)	0.0108	Q B J U	0.0300	0.00126	ng/L
PCB 19 (BZ)	ND		0.0200	0.00135	ng/L
PCB 20 (BZ)	0.0174	B C J	0.0200	0.000458	ng/L
PCB 21 (BZ)	0.00595	B C J U	0.0200	0.000444	ng/L
PCB 22 (BZ)	0.00557	B J U	0.0200	0.000465	ng/L
PCB 23 (BZ)	ND		0.0200	0.000469	ng/L
PCB 24 (BZ)	ND		0.0200	0.000893	ng/L
PCB 25 (BZ)	0.00198	J	0.0200	0.000416	ng/L
PCB 26 (BZ)	0.00328	B C J	0.0200	0.000448	ng/L
PCB 27 (BZ)	ND		0.0200	0.000818	ng/L
PCB 28 (BZ)	0.0174	B C20 J	0.0200	0.000458	ng/L
PCB 29 (BZ)	0.00328	B C26 J	0.0200	0.000448	ng/L
PCB 30 (BZ)	ND		0.0300	0.000849	ng/L
PCB 31 (BZ)	0.0127	B J U	0.0200	0.000441	ng/L
PCB 32 (BZ)	0.00252	J U	0.0200	0.000809	ng/L
PCB 33 (BZ)	0.00595	B C21 J U	0.0200	0.000444	ng/L
PCB 34 (BZ)	ND		0.0200	0.000466	ng/L
PCB 35 (BZ)	ND		0.0200	0.000474	ng/L
PCB 36 (BZ)	ND		0.0200	0.000441	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU5C-07-0219-D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 011	Work Order #....:	JQPC31AA	Matrix....:	WATER
Date Sampled....:	02/19/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.00496	Q B J	0.0200	0.000463	ng/L
PCB 38 (BZ)	ND		0.0200	0.000455	ng/L
PCB 39 (BZ)	ND		0.0200	0.000426	ng/L
PCB 40 (BZ)	0.00496	Q C J U	0.0200	0.000818	ng/L
PCB 41 (BZ)	ND		0.0200	0.00108	ng/L
PCB 42 (BZ)	0.00348	J	0.0200	0.000907	ng/L
PCB 43 (BZ)	ND		0.0200	0.000815	ng/L
PCB 44 (BZ)	0.0268	B C U	0.0200	0.000762	ng/L
PCB 45 (BZ)	0.00358	C J U	0.0200	0.000910	ng/L
PCB 46 (BZ)	ND		0.0200	0.00110	ng/L
PCB 47 (BZ)	0.0268	B C44 U	0.0200	0.000762	ng/L
PCB 48 (BZ)	0.00246	Q J	0.0200	0.000880	ng/L
PCB 49 (BZ)	0.00854	Q B J	0.0200	0.000776	ng/L
PCB 50 (BZ)	0.00157	C J	0.0200	0.000842	ng/L
PCB 51 (BZ)	0.00358	C45 J U	0.0200	0.000910	ng/L
PCB 52 (BZ)	0.0139	Q B J U	0.0200	0.000842	ng/L
PCB 53 (BZ)	0.00157	C50 J	0.0200	0.000842	ng/L
PCB 54 (BZ)	ND		0.0200	0.00103	ng/L
PCB 55 (BZ)	ND		0.0200	0.000672	ng/L
PCB 56 (BZ)	0.00742	J	0.0200	0.000634	ng/L
PCB 57 (BZ)	ND		0.0200	0.000653	ng/L
PCB 58 (BZ)	ND		0.0200	0.000619	ng/L
PCB 59 (BZ)	0.00138	Q C J	0.0200	0.000602	ng/L
PCB 60 (BZ)	0.00319	J	0.0200	0.000655	ng/L
PCB 61 (BZ)	ND		0.0200	0.000655	ng/L
PCB 62 (BZ)	0.00138	Q C59 J	0.0200	0.000602	ng/L
PCB 63 (BZ)	0.000891	Q J	0.0200	0.000583	ng/L
PCB 64 (BZ)	0.00670	J	0.0200	0.000594	ng/L
PCB 65 (BZ)	0.0268	B C44 U	0.0200	0.000762	ng/L
PCB 66 (BZ)	0.0128	Q B J	0.0200	0.000605	ng/L
PCB 67 (BZ)	ND		0.0200	0.000606	ng/L
PCB 68 (BZ)	0.00252	Q B J U	0.0200	0.000588	ng/L
PCB 69 (BZ)	ND		0.0200	0.000661	ng/L
PCB 70 (BZ)	0.0222	B C	0.0200	0.000592	ng/L
PCB 71 (BZ)	0.00496	Q C40 J U	0.0200	0.000818	ng/L
PCB 72 (BZ)	ND		0.0200	0.000621	ng/L

MSM 4/24/07

Shaw E & I Inc

Sample ID: OU5C-07-0219-D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 011	Work Order #....:	JQPC31AA	Matrix....:	WATER
Date Sampled....:	02/19/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.0200	0.000815	ng/L
PCB 74 (BZ)	0.0222	B C70	0.0200	0.000592	ng/L
PCB 75 (BZ)	0.00138	Q C59 J	0.0200	0.000602	ng/L
PCB 76 (BZ)	0.0222	B C70	0.0200	0.000592	ng/L
PCB 77 (BZ)	ND		0.0200	0.000660	ng/L
PCB 78 (BZ)	ND		0.0200	0.000660	ng/L
PCB 79 (BZ)	ND		0.0200	0.000569	ng/L
PCB 80 (BZ)	ND		0.0200	0.000551	ng/L
PCB 81 (BZ)	ND		0.0200	0.000584	ng/L
PCB 82 (BZ)	ND		0.0200	0.00143	ng/L
PCB 83 (BZ)	0.00805	C J	0.0200	0.00111	ng/L
PCB 84 (BZ)	ND		0.0200	0.00127	ng/L
PCB 85 (BZ)	0.00254	Q C J	0.0200	0.000883	ng/L
PCB 86 (BZ)	0.00787	Q C J	0.0200	0.000894	ng/L
PCB 87 (BZ)	0.00787	Q C86 J	0.0200	0.000894	ng/L
PCB 88 (BZ)	ND		0.0200	0.00120	ng/L
PCB 89 (BZ)	ND		0.0200	0.00121	ng/L
PCB 90 (BZ)	0.0108	B C J U	0.0200	0.000874	ng/L
PCB 91 (BZ)	0.00310	J	0.0200	0.00100	ng/L
PCB 92 (BZ)	ND		0.0200	0.00112	ng/L
PCB 93 (BZ)	ND		0.0200	0.00123	ng/L
PCB 94 (BZ)	ND		0.0200	0.00123	ng/L
PCB 95 (BZ)	0.00865	B C J U	0.0200	0.00101	ng/L
PCB 96 (BZ)	ND		0.0200	0.000853	ng/L
PCB 97 (BZ)	0.00787	Q C86 J	0.0200	0.000894	ng/L
PCB 98 (BZ)	ND		0.0200	0.00105	ng/L
PCB 99 (BZ)	0.00805	C83 J	0.0200	0.00111	ng/L
PCB 100 (BZ)	0.00865	B C95 J U	0.0200	0.00101	ng/L
PCB 101 (BZ)	0.0108	B C90 J U	0.0200	0.000874	ng/L
PCB 102 (BZ)	ND		0.0200	0.00105	ng/L
PCB 103 (BZ)	ND		0.0200	0.000998	ng/L
PCB 104 (BZ)	ND		0.0200	0.000752	ng/L
PCB 105 (BZ)	0.00369	B J U	0.0200	0.000553	ng/L
PCB 106 (BZ)	ND		0.0200	0.000612	ng/L
PCB 107 (BZ)/109 (IUPAC)	ND		0.0200	0.000596	ng/L
PCB 108 (BZ)/107 (IUPAC)	ND		0.0200	0.000570	ng/L

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Shaw E & I Inc

Sample ID: OU5C-07-0219-D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 011	Work Order #....:	JQPC31AA	Matrix....:	WATER
Date Sampled....:	02/19/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.00787	Q C86 J	0.0200	0.000894	ng/L
PCB 110 (BZ)	0.0104	Q B C J U	0.0200	0.000759	ng/L
PCB 111 (BZ)	ND		0.0200	0.000766	ng/L
PCB 112 (BZ)	ND		0.0200	0.000801	ng/L
PCB 113 (BZ)	0.0108	B C90 J U	0.0200	0.000874	ng/L
PCB 114 (BZ)	ND		0.0200	0.000534	ng/L
PCB 115 (BZ)	0.0104	Q B C110 J U	0.0200	0.000759	ng/L
PCB 116 (BZ)	0.00254	Q C85 J	0.0200	0.000883	ng/L
PCB 117 (BZ)	0.00254	Q C85 J	0.0200	0.000883	ng/L
PCB 118 (BZ)	0.00821	B J U	0.0200	0.000553	ng/L
PCB 119 (BZ)	0.00787	Q C86 J	0.0200	0.000894	ng/L
PCB 120 (BZ)	ND		0.0200	0.000725	ng/L
PCB 121 (BZ)	ND		0.0200	0.000782	ng/L
PCB 122 (BZ)	ND		0.0200	0.000611	ng/L
PCB 123 (BZ)	ND		0.0200	0.000620	ng/L
PCB 124 (BZ)	ND		0.0200	0.000570	ng/L
PCB 125 (BZ)	0.00787	Q C86 J	0.0200	0.000894	ng/L
PCB 126 (BZ)	ND		0.0200	0.000534	ng/L
PCB 127 (BZ)	ND		0.0200	0.000566	ng/L
PCB 128 (BZ)	ND		0.0200	0.00106	ng/L
PCB 129 (BZ)	0.00691	Q B C J U	0.0200	0.000884	ng/L
PCB 130 (BZ)	ND		0.0200	0.00115	ng/L
PCB 131 (BZ)	ND		0.0200	0.00114	ng/L
PCB 132 (BZ)	ND		0.0200	0.00115	ng/L
PCB 133 (BZ)	ND		0.0200	0.00106	ng/L
PCB 134 (BZ)	ND		0.0200	0.00115	ng/L
PCB 135 (BZ)	ND		0.0200	0.00108	ng/L
PCB 136 (BZ)	ND		0.0200	0.000875	ng/L
PCB 137 (BZ)	ND		0.0200	0.000976	ng/L
PCB 138 (BZ)	0.00691	Q B C129 J U	0.0200	0.000884	ng/L
PCB 139 (BZ)	ND		0.0200	0.000952	ng/L
PCB 140 (BZ)	ND		0.0200	0.000952	ng/L
PCB 141 (BZ)	ND		0.0200	0.00108	ng/L
PCB 142 (BZ)	ND		0.0200	0.00111	ng/L
PCB 143 (BZ)	ND		0.0200	0.00115	ng/L
PCB 144 (BZ)	ND		0.0200	0.00112	ng/L

MLW 4/24/07

Shaw E & I Inc

Sample ID: OU5C-07-0219-D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 011	**Work Order #....:**	JQPC31AA	**Matrix....:**	WATER
Date Sampled....:	02/19/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0200	0.000829	ng/L
PCB 146 (BZ)	**0.00126**	**Q J**	**0.0200**	**0.000933**	**ng/L**
PCB 147 (BZ)	**0.00607**	**Q B C J U**	**0.0200**	**0.000946**	**ng/L**
PCB 148 (BZ)	ND		0.0200	0.00113	ng/L
PCB 149 (BZ)	**0.00607**	**Q B C147 J U**	**0.0200**	**0.000946**	**ng/L**
PCB 150 (BZ)	ND		0.0200	0.000819	ng/L
PCB 151 (BZ)	ND		0.0200	0.00108	ng/L
PCB 152 (BZ)	ND		0.0200	0.000827	ng/L
PCB 153 (BZ)	**0.00489**	**Q B C J U**	**0.0200**	**0.000763**	**ng/L**
PCB 154 (BZ)	ND		0.0200	0.00108	ng/L
PCB 155 (BZ)	ND		0.0200	0.000757	ng/L
PCB 156 (BZ)	**0.00124**	**Q C J**	**0.0200**	**0.00104**	**ng/L**
PCB 157 (BZ)	**0.00124**	**Q C156 J**	**0.0200**	**0.00104**	**ng/L**
PCB 158 (BZ)	ND		0.0200	0.000684	ng/L
PCB 159 (BZ)	ND		0.0200	0.000755	ng/L
PCB 160 (BZ)	**0.00691**	**Q B C129 J U**	**0.0200**	**0.000884**	**ng/L**
PCB 161 (BZ)	ND		0.0200	0.000748	ng/L
PCB 162 (BZ)	ND		0.0200	0.000755	ng/L
PCB 163 (BZ)	**0.00691**	**Q B C129 J U**	**0.0200**	**0.000884**	**ng/L**
PCB 164 (BZ)	ND		0.0200	0.000789	ng/L
PCB 165 (BZ)	ND		0.0200	0.000821	ng/L
PCB 166 (BZ)	ND		0.0200	0.000739	ng/L
PCB 167 (BZ)	ND		0.0200	0.000477	ng/L
PCB 168 (BZ)	**0.00489**	**Q B C153 J U**	**0.0200**	**0.000763**	**ng/L**
PCB 169 (BZ)	ND		0.0200	0.000527	ng/L
PCB 170 (BZ)	**0.00243**	**Q J**	**0.0200**	**0.000943**	**ng/L**
PCB 171 (BZ)	ND		0.0200	0.000952	ng/L
PCB 172 (BZ)	ND		0.0200	0.000948	ng/L
PCB 173 (BZ)	ND		0.0200	0.000952	ng/L
PCB 174 (BZ)	ND		0.0200	0.000860	ng/L
PCB 175 (BZ)	ND		0.0200	0.000864	ng/L
PCB 176 (BZ)	ND		0.0200	0.000635	ng/L
PCB 177 (BZ)	ND		0.0200	0.000903	ng/L
PCB 178 (BZ)	ND		0.0200	0.000893	ng/L
PCB 179 (BZ)	ND		0.0200	0.000662	ng/L
PCB 180 (BZ)	**0.00356**	**B C J U**	**0.0200**	**0.000701**	**ng/L**

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU5C-07-0219-D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 011	**Work Order #....:**	JQPC31AA	**Matrix....:**	WATER
Date Sampled....:	02/19/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0200	0.000815	ng/L
PCB 182 (BZ)	ND		0.0200	0.000818	ng/L
PCB 183 (BZ)	ND		0.0200	0.000840	ng/L
PCB 184 (BZ)	ND		0.0200	0.000674	ng/L
PCB 185 (BZ)	ND		0.0200	0.000865	ng/L
PCB 186 (BZ)	ND		0.0200	0.000654	ng/L
PCB 187 (BZ)	**0.00245**	**Q J**	**0.0200**	**0.000788**	**ng/L**
PCB 188 (BZ)	ND		0.0200	0.000617	ng/L
PCB 189 (BZ)	ND		0.0200	0.000487	ng/L
PCB 190 (BZ)	ND		0.0200	0.000634	ng/L
PCB 191 (BZ)	ND		0.0200	0.000647	ng/L
PCB 192 (BZ)	ND		0.0200	0.000693	ng/L
PCB 193 (BZ)	**0.00356**	**B C180 J** U	**0.0200**	**0.000701**	**ng/L**
PCB 194 (BZ)	ND		0.0200	0.000718	ng/L
PCB 195 (BZ)	ND		0.0200	0.000789	ng/L
PCB 196 (BZ)	ND		0.0200	0.000856	ng/L
PCB 197 (BZ)	ND		0.0200	0.000607	ng/L
PCB 198 (BZ)	ND		0.0200	0.000846	ng/L
PCB 201 (BZ)/199 (IUPAC)	ND		0.0200	0.000846	ng/L
PCB 199 (BZ)/200 (IUPAC)	ND		0.0200	0.000625	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND		0.0200	0.000592	ng/L
PCB 202 (BZ)	ND		0.0200	0.000649	ng/L
PCB 203 (BZ)	ND		0.0200	0.000752	ng/L
PCB 204 (BZ)	ND		0.0200	0.000623	ng/L
PCB 205 (BZ)	ND		0.0200	0.000579	ng/L
PCB 206 (BZ)	ND		0.0200	0.00115	ng/L
PCB 207 (BZ)	ND		0.0200	0.000915	ng/L
PCB 208 (BZ)	ND		0.0200	0.00104	ng/L
PCB 209 (BZ)	ND		0.0200	0.000935	ng/L

MAW
4/24/07

Shaw E & I Inc

Sample ID: OU5C-07-0219-D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 011	**Work Order #....:**	JQPC31AA	**Matrix....:**	WATER
Date Sampled....:	02/19/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	74		30 - 140
13C12-PCB 3	80		30 - 140
13C12-PCB 4	89		30 - 140
13C12-PCB 15	114		30 - 140
13C12-PCB 19	89		30 - 140
13C12-PCB 37	106		30 - 140
13C12-PCB 54	94		30 - 140
13C12-PCB 77	107		30 - 140
13C12-PCB 81	105		30 - 140
13C12-PCB 104	101		30 - 140
13C12-PCB 105	102		30 - 140
13C12-PCB 114	97		30 - 140
13C12-PCB 118	103		30 - 140
13C12-PCB 123	92		30 - 140
13C12-PCB 126	104		30 - 140
13C12-PCB 155	115		30 - 140
13C12-PCB 156	106	C	30 - 140
13C12-PCB 157	106	C	30 - 140
13C12-PCB 167	106		30 - 140
13C12-PCB 169	105		30 - 140
13C12-PCB 170	102		30 - 140
13C12-PCB 188	93		30 - 140
13C12-PCB 189	117		30 - 140
13C12-PCB 202	111		30 - 140
13C12-PCB 205	118		30 - 140
13C12-PCB 206	111		30 - 140
13C12-PCB 208	107		30 - 140
13C12-PCB 209	105		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	89	40 - 125
13C12-PCB 111	114	40 - 125
13C12-PCB 178	85	40 - 125

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU5C-07-0219-D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 011	**Work Order #....:**	JQPC31AA	**Matrix....:**	WATER
Date Sampled....:	02/19/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU5B-07-0220-C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 012	Work Order #....:	JQPC41AA	Matrix....:	WATER
Date Sampled....:	02/20/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.0200	0.000274	ng/L
PCB 2 (BZ)	ND		0.0200	0.000313	ng/L
PCB 3 (BZ)	ND		0.0200	0.000323	ng/L
PCB 4 (BZ)	0.00621	Q B J	0.0300	0.00177	ng/L
PCB 5 (BZ)	ND		0.0200	0.00127	ng/L
PCB 6 (BZ)	0.00363	Q B J U	0.0200	0.00118	ng/L
PCB 7 (BZ)	0.00114	Q B J U	0.0200	0.00120	ng/L
PCB 8 (BZ)	0.0126	Q B J U	0.0300	0.00116	ng/L
PCB 9 (BZ)	0.00126	Q J	0.0200	0.00119	ng/L
PCB 10 (BZ)	ND		0.0200	0.00130	ng/L
PCB 11 (BZ)	0.137	B	0.0300	0.00119	ng/L
PCB 12 (BZ)	0.00175	Q B C J U	0.0300	0.00118	ng/L
PCB 13 (BZ)	0.00175	Q B C12 J U	0.0300	0.00118	ng/L
PCB 14 (BZ)	ND		0.0200	0.00102	ng/L
PCB 15 (BZ)	0.00805	Q B J U	0.0200	0.00116	ng/L
PCB 16 (BZ)	0.0113	J U	0.0200	0.00105	ng/L
PCB 17 (BZ)	0.0130	J	0.0200	0.000917	ng/L
PCB 18 (BZ)	0.0331	B	0.0300	0.000963	ng/L
PCB 19 (BZ)	ND		0.0200	0.00103	ng/L
PCB 20 (BZ)	0.0517	B C	0.0200	0.000467	ng/L
PCB 21 (BZ)	0.0166	B C J	0.0200	0.000453	ng/L
PCB 22 (BZ)	0.0148	B J	0.0200	0.000475	ng/L
PCB 23 (BZ)	ND		0.0200	0.000479	ng/L
PCB 24 (BZ)	ND		0.0200	0.000682	ng/L
PCB 25 (BZ)	0.00551	J	0.0200	0.000425	ng/L
PCB 26 (BZ)	0.00924	B C J	0.0200	0.000457	ng/L
PCB 27 (BZ)	0.00235	Q J	0.0200	0.000625	ng/L
PCB 28 (BZ)	0.0517	B C20	0.0200	0.000467	ng/L
PCB 29 (BZ)	0.00924	B C26 J	0.0200	0.000457	ng/L
PCB 30 (BZ)	ND		0.0300	0.000649	ng/L
PCB 31 (BZ)	0.0364	B	0.0200	0.000450	ng/L
PCB 32 (BZ)	0.00384	J U	0.0200	0.000618	ng/L
PCB 33 (BZ)	0.0166	B C21 J	0.0200	0.000453	ng/L
PCB 34 (BZ)	ND		0.0200	0.000476	ng/L
PCB 35 (BZ)	0.00129	J	0.0200	0.000484	ng/L
PCB 36 (BZ)	ND		0.0200	0.000450	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU5B-07-0220-C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 012	Work Order #....:	JQPC41AA	Matrix....:	WATER
Date Sampled....:	02/20/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.0149	B J	0.0200	0.000472	ng/L
PCB 38 (BZ)	ND		0.0200	0.000464	ng/L
PCB 39 (BZ)	ND		0.0200	0.000435	ng/L
PCB 40 (BZ)	0.0179	C J	0.0200	0.000790	ng/L
PCB 41 (BZ)	0.00222	Q J	0.0200	0.00104	ng/L
PCB 42 (BZ)	0.0135	J	0.0200	0.000876	ng/L
PCB 43 (BZ)	ND		0.0200	0.000787	ng/L
PCB 44 (BZ)	0.0551	B C	0.0200	0.000736	ng/L
PCB 45 (BZ)	0.00703	C J U	0.0200	0.000879	ng/L
PCB 46 (BZ)	ND		0.0200	0.00107	ng/L
PCB 47 (BZ)	0.0551	B C44	0.0200	0.000736	ng/L
PCB 48 (BZ)	0.00949	J	0.0200	0.000850	ng/L
PCB 49 (BZ)	0.0292	B	0.0200	0.000749	ng/L
PCB 50 (BZ)	0.00487	C J	0.0200	0.000813	ng/L
PCB 51 (BZ)	0.00703	C45 J U	0.0200	0.000879	ng/L
PCB 52 (BZ)	0.0424	B	0.0200	0.000814	ng/L
PCB 53 (BZ)	0.00487	C50 J	0.0200	0.000813	ng/L
PCB 54 (BZ)	ND		0.0200	0.000903	ng/L
PCB 55 (BZ)	ND		0.0200	0.000649	ng/L
PCB 56 (BZ)	0.0208		0.0200	0.000612	ng/L
PCB 57 (BZ)	ND		0.0200	0.000631	ng/L
PCB 58 (BZ)	0.00153	Q J	0.0200	0.000598	ng/L
PCB 59 (BZ)	0.00553	C J	0.0200	0.000581	ng/L
PCB 60 (BZ)	0.00759	J	0.0200	0.000633	ng/L
PCB 61 (BZ)	ND		0.0200	0.000633	ng/L
PCB 62 (BZ)	0.00553	C59 J	0.0200	0.000581	ng/L
PCB 63 (BZ)	0.00172	Q J	0.0200	0.000563	ng/L
PCB 64 (BZ)	0.0186	J	0.0200	0.000574	ng/L
PCB 65 (BZ)	0.0551	B C44	0.0200	0.000736	ng/L
PCB 66 (BZ)	0.0389	B	0.0200	0.000584	ng/L
PCB 67 (BZ)	0.00177	Q J	0.0200	0.000586	ng/L
PCB 68 (BZ)	0.00331	B J U	0.0200	0.000568	ng/L
PCB 69 (BZ)	ND		0.0200	0.000638	ng/L
PCB 70 (BZ)	0.0560	B C	0.0200	0.000572	ng/L
PCB 71 (BZ)	0.0179	C40 J	0.0200	0.000790	ng/L
PCB 72 (BZ)	ND		0.0200	0.000599	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU5B-07-0220-C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 012	**Work Order #....:**	JQPC41AA	**Matrix....:**	WATER
Date Sampled....:	02/20/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.0200	0.000787	ng/L
PCB 74 (BZ)	**0.0560**	**B C70**	**0.0200**	**0.000572**	**ng/L**
PCB 75 (BZ)	**0.00553**	**C59 J**	**0.0200**	**0.000581**	**ng/L**
PCB 76 (BZ)	**0.0560**	**B C70**	**0.0200**	**0.000572**	**ng/L**
PCB 77 (BZ)	**0.00440**	**J**	**0.0200**	**0.000625**	**ng/L**
PCB 78 (BZ)	ND		0.0200	0.000638	ng/L
PCB 79 (BZ)	ND		0.0200	0.000550	ng/L
PCB 80 (BZ)	ND		0.0200	0.000532	ng/L
PCB 81 (BZ)	ND		0.0200	0.000575	ng/L
PCB 82 (BZ)	**0.00428**	**J**	**0.0200**	**0.00147**	**ng/L**
PCB 83 (BZ)	**0.0159**	**C J**	**0.0200**	**0.00114**	**ng/L**
PCB 84 (BZ)	**0.00726**	**J**	**0.0200**	**0.00131**	**ng/L**
PCB 85 (BZ)	**0.00555**	**C J**	**0.0200**	**0.000907**	**ng/L**
PCB 86 (BZ)	**0.0143**	**Q C J**	**0.0200**	**0.000918**	**ng/L**
PCB 87 (BZ)	**0.0143**	**Q C86 J**	**0.0200**	**0.000918**	**ng/L**
PCB 88 (BZ)	ND		0.0200	0.00123	ng/L
PCB 89 (BZ)	ND		0.0200	0.00124	ng/L
PCB 90 (BZ)	**0.0186**	**B C J**	**0.0200**	**0.000897**	**ng/L**
PCB 91 (BZ)	ND		0.0200	0.00103	ng/L
PCB 92 (BZ)	**0.00455**	**J**	**0.0200**	**0.00115**	**ng/L**
PCB 93 (BZ)	ND		0.0200	0.00127	ng/L
PCB 94 (BZ)	ND		0.0200	0.00126	ng/L
PCB 95 (BZ)	**0.0139**	**B C J U**	**0.0200**	**0.00103**	**ng/L**
PCB 96 (BZ)	ND		0.0200	0.000876	ng/L
PCB 97 (BZ)	**0.0143**	**Q C86 J**	**0.0200**	**0.000918**	**ng/L**
PCB 98 (BZ)	ND		0.0200	0.00108	ng/L
PCB 99 (BZ)	**0.0159**	**C83 J**	**0.0200**	**0.00114**	**ng/L**
PCB 100 (BZ)	**0.0139**	**B C95 J U**	**0.0200**	**0.00103**	**ng/L**
PCB 101 (BZ)	**0.0186**	**B C90 J**	**0.0200**	**0.000897**	**ng/L**
PCB 102 (BZ)	ND		0.0200	0.00108	ng/L
PCB 103 (BZ)	ND		0.0200	0.00102	ng/L
PCB 104 (BZ)	ND		0.0200	0.000772	ng/L
PCB 105 (BZ)	**0.00651**	**B J**	**0.0200**	**0.000599**	**ng/L**
PCB 106 (BZ)	ND		0.0200	0.000697	ng/L
PCB 107 (BZ)/109 (IUPAC)	**0.00188**	**Q J**	**0.0200**	**0.000679**	**ng/L**
PCB 108 (BZ)/107 (IUPAC)	ND		0.0200	0.000649	ng/L

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Shaw E & I Inc

Sample ID: OU5B-07-0220-C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 012	**Work Order #....:**	JQPC41AA	**Matrix....:**	WATER
Date Sampled....:	02/20/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	**0.0143**	**Q C86 J**	**0.0200**	**0.000918**	**ng/L**
PCB 110 (BZ)	**0.0211**	**B C**	**0.0200**	**0.000780**	**ng/L**
PCB 111 (BZ)	ND		0.0200	0.000786	ng/L
PCB 112 (BZ)	ND		0.0200	0.000823	ng/L
PCB 113 (BZ)	**0.0186**	**B C90 J**	**0.0200**	**0.000897**	**ng/L**
PCB 114 (BZ)	ND		0.0200	0.000611	ng/L
PCB 115 (BZ)	**0.0211**	**B C110**	**0.0200**	**0.000780**	**ng/L**
PCB 116 (BZ)	**0.00555**	**C85 J**	**0.0200**	**0.000907**	**ng/L**
PCB 117 (BZ)	**0.00555**	**C85 J**	**0.0200**	**0.000907**	**ng/L**
PCB 118 (BZ)	**0.0145**	**B J**	**0.0200**	**0.000651**	**ng/L**
PCB 119 (BZ)	**0.0143**	**Q C86 J**	**0.0200**	**0.000918**	**ng/L**
PCB 120 (BZ)	ND		0.0200	0.000745	ng/L
PCB 121 (BZ)	ND		0.0200	0.000803	ng/L
PCB 122 (BZ)	ND		0.0200	0.000696	ng/L
PCB 123 (BZ)	ND		0.0200	0.000645	ng/L
PCB 124 (BZ)	ND		0.0200	0.000649	ng/L
PCB 125 (BZ)	**0.0143**	**Q C86 J**	**0.0200**	**0.000918**	**ng/L**
PCB 126 (BZ)	ND		0.0200	0.000668	ng/L
PCB 127 (BZ)	ND		0.0200	0.000645	ng/L
PCB 128 (BZ)	ND		0.0200	0.00122	ng/L
PCB 129 (BZ)	**0.00951**	**B C J** U	**0.0200**	**0.00102**	**ng/L**
PCB 130 (BZ)	ND		0.0200	0.00132	ng/L
PCB 131 (BZ)	ND		0.0200	0.00131	ng/L
PCB 132 (BZ)	**0.00362**	**J**	**0.0200**	**0.00132**	**ng/L**
PCB 133 (BZ)	ND		0.0200	0.00122	ng/L
PCB 134 (BZ)	ND		0.0200	0.00132	ng/L
PCB 135 (BZ)	**0.00388**	**Q C J**	**0.0200**	**0.00110**	**ng/L**
PCB 136 (BZ)	ND		0.0200	0.000888	ng/L
PCB 137 (BZ)	ND		0.0200	0.00112	ng/L
PCB 138 (BZ)	**0.00951**	**B C129 J** U	**0.0200**	**0.00102**	**ng/L**
PCB 139 (BZ)	ND		0.0200	0.00109	ng/L
PCB 140 (BZ)	ND		0.0200	0.00109	ng/L
PCB 141 (BZ)	ND		0.0200	0.00124	ng/L
PCB 142 (BZ)	ND		0.0200	0.00127	ng/L
PCB 143 (BZ)	ND		0.0200	0.00132	ng/L
PCB 144 (BZ)	ND		0.0200	0.00113	ng/L

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Shaw E & I Inc

Sample ID: OU5B-07-0220-C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 012	Work Order #....:	JQPC41AA	Matrix....:	WATER
Date Sampled....:	02/20/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0200	0.000841	ng/L
PCB 146 (BZ)	ND		0.0200	0.00107	ng/L
PCB 147 (BZ)	**0.00841**	**B C J** U	**0.0200**	**0.00109**	**ng/L**
PCB 148 (BZ)	ND		0.0200	0.00115	ng/L
PCB 149 (BZ)	**0.00841**	**B C147 J** U	**0.0200**	**0.00109**	**ng/L**
PCB 150 (BZ)	ND		0.0200	0.000832	ng/L
PCB 151 (BZ)	**0.00388**	**Q C135 J**	**0.0200**	**0.00110**	**ng/L**
PCB 152 (BZ)	ND		0.0200	0.000839	ng/L
PCB 153 (BZ)	**0.00936**	**B C J** U	**0.0200**	**0.000877**	**ng/L**
PCB 154 (BZ)	**0.00388**	**Q C135 J**	**0.0200**	**0.00110**	**ng/L**
PCB 155 (BZ)	ND		0.0200	0.000769	ng/L
PCB 156 (BZ)	ND		0.0200	0.00108	ng/L
PCB 157 (BZ)	ND		0.0200	0.00108	ng/L
PCB 158 (BZ)	**0.00116**	**Q J**	**0.0200**	**0.000786**	**ng/L**
PCB 159 (BZ)	ND		0.0200	0.000868	ng/L
PCB 160 (BZ)	**0.00951**	**B C129 J** U	**0.0200**	**0.00102**	**ng/L**
PCB 161 (BZ)	ND		0.0200	0.000860	ng/L
PCB 162 (BZ)	ND		0.0200	0.000868	ng/L
PCB 163 (BZ)	**0.00951**	**B C129 J** U	**0.0200**	**0.00102**	**ng/L**
PCB 164 (BZ)	ND		0.0200	0.000907	ng/L
PCB 165 (BZ)	ND		0.0200	0.000943	ng/L
PCB 166 (BZ)	ND		0.0200	0.000850	ng/L
PCB 167 (BZ)	ND		0.0200	0.000582	ng/L
PCB 168 (BZ)	**0.00936**	**B C153 J** U	**0.0200**	**0.000877**	**ng/L**
PCB 169 (BZ)	ND		0.0200	0.000637	ng/L
PCB 170 (BZ)	**0.00240**	**Q J**	**0.0200**	**0.00109**	**ng/L**
PCB 171 (BZ)	ND		0.0200	0.00111	ng/L
PCB 172 (BZ)	ND		0.0200	0.00111	ng/L
PCB 173 (BZ)	ND		0.0200	0.00111	ng/L
PCB 174 (BZ)	**0.00286**	**J**	**0.0200**	**0.00101**	**ng/L**
PCB 175 (BZ)	ND		0.0200	0.00101	ng/L
PCB 176 (BZ)	ND		0.0200	0.000743	ng/L
PCB 177 (BZ)	ND		0.0200	0.00106	ng/L
PCB 178 (BZ)	ND		0.0200	0.00105	ng/L
PCB 179 (BZ)	ND		0.0200	0.000776	ng/L
PCB 180 (BZ)	**0.00496**	**Q B C J** U	**0.0200**	**0.000821**	**ng/L**

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Shaw E & I Inc

Sample ID: OU5B-07-0220-C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 012	Work Order #....:	JQPC41AA	Matrix....:	WATER
Date Sampled....:	02/20/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0200	0.000955	ng/L
PCB 182 (BZ)	ND		0.0200	0.000958	ng/L
PCB 183 (BZ)	**0.00135**	**Q J**	**0.0200**	**0.000984**	**ng/L**
PCB 184 (BZ)	ND		0.0200	0.000790	ng/L
PCB 185 (BZ)	ND		0.0200	0.00101	ng/L
PCB 186 (BZ)	ND		0.0200	0.000766	ng/L
PCB 187 (BZ)	**0.00344**	**J**	**0.0200**	**0.000923**	**ng/L**
PCB 188 (BZ)	ND		0.0200	0.000731	ng/L
PCB 189 (BZ)	ND		0.0200	0.000606	ng/L
PCB 190 (BZ)	ND		0.0200	0.000742	ng/L
PCB 191 (BZ)	ND		0.0200	0.000758	ng/L
PCB 192 (BZ)	ND		0.0200	0.000811	ng/L
PCB 193 (BZ)	**0.00496**	**Q B C180 J**	**0.0200**	**0.000821**	**ng/L**
PCB 194 (BZ)	**0.00262**	**J**	**0.0200**	**0.000875**	**ng/L**
PCB 195 (BZ)	ND		0.0200	0.000963	ng/L
PCB 196 (BZ)	ND		0.0200	0.00103	ng/L
PCB 197 (BZ)	ND		0.0200	0.000733	ng/L
PCB 198 (BZ)	ND		0.0200	0.00102	ng/L
PCB 201 (BZ)/199 (IUPAC)	ND		0.0200	0.00102	ng/L
PCB 199 (BZ)/200 (IUPAC)	ND		0.0200	0.000754	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND		0.0200	0.000715	ng/L
PCB 202 (BZ)	ND		0.0200	0.000783	ng/L
PCB 203 (BZ)	ND		0.0200	0.000908	ng/L
PCB 204 (BZ)	ND		0.0200	0.000752	ng/L
PCB 205 (BZ)	ND		0.0200	0.000707	ng/L
PCB 206 (BZ)	**0.00313**	**Q J**	**0.0200**	**0.00127**	**ng/L**
PCB 207 (BZ)	ND		0.0200	0.000889	ng/L
PCB 208 (BZ)	ND		0.0200	0.000920	ng/L
PCB 209 (BZ)	ND		0.0200	0.00100	ng/L

MKW 4/27/07

Shaw E & I Inc

Sample ID: OU5B-07-0220-C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 012	Work Order #....:	JQPC41AA	Matrix....:	WATER
Date Sampled....:	02/20/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	85		30 - 140
13C12-PCB 3	86		30 - 140
13C12-PCB 4	98		30 - 140
13C12-PCB 15	112		30 - 140
13C12-PCB 19	94		30 - 140
13C12-PCB 37	99		30 - 140
13C12-PCB 54	95		30 - 140
13C12-PCB 77	105		30 - 140
13C12-PCB 81	102		30 - 140
13C12-PCB 104	101		30 - 140
13C12-PCB 105	102		30 - 140
13C12-PCB 114	100		30 - 140
13C12-PCB 118	101		30 - 140
13C12-PCB 123	99		30 - 140
13C12-PCB 126	101		30 - 140
13C12-PCB 155	105		30 - 140
13C12-PCB 156	110	C	30 - 140
13C12-PCB 157	110	C	30 - 140
13C12-PCB 167	107		30 - 140
13C12-PCB 169	94		30 - 140
13C12-PCB 170	103		30 - 140
13C12-PCB 188	94		30 - 140
13C12-PCB 189	107		30 - 140
13C12-PCB 202	105		30 - 140
13C12-PCB 205	107		30 - 140
13C12-PCB 206	106		30 - 140
13C12-PCB 208	112		30 - 140
13C12-PCB 209	107		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	91	40 - 125
13C12-PCB 111	98	40 - 125
13C12-PCB 178	84	40 - 125

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU5B-07-0220-C,E

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 012	**Work Order #....:**	JQPC41AA	**Matrix....:**	WATER
Date Sampled....:	02/20/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU5B-07-0220-D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 013	**Work Order #....:**	JQPC51AA	**Matrix....:**	WATER
Date Sampled....:	02/20/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	**Instrument ID....:**	MID	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.0200	0.000237	ng/L
PCB 2 (BZ)	ND		0.0200	0.000266	ng/L
PCB 3 (BZ)	ND		0.0200	0.000267	ng/L
PCB 4 (BZ)	0.00706	Q B J U	0.0300	0.00158	ng/L
PCB 5 (BZ)	ND		0.0200	0.00113	ng/L
PCB 6 (BZ)	0.00316	Q B J U	0.0200	0.00106	ng/L
PCB 7 (BZ)	0.00131	Q B J U	0.0200	0.00107	ng/L
PCB 8 (BZ)	0.0126	Q B J U	0.0300	0.00104	ng/L
PCB 9 (BZ)	0.00128	Q J	0.0200	0.00106	ng/L
PCB 10 (BZ)	ND		0.0200	0.00116	ng/L
PCB 11 (BZ)	0.129	B	0.0300	0.00106	ng/L
PCB 12 (BZ)	0.00178	Q B C J U	0.0300	0.00106	ng/L
PCB 13 (BZ)	0.00178	Q B C12 J U	0.0300	0.00106	ng/L
PCB 14 (BZ)	ND		0.0200	0.000910	ng/L
PCB 15 (BZ)	0.00856	Q B J U	0.0200	0.00104	ng/L
PCB 16 (BZ)	0.00967	J U	0.0200	0.000941	ng/L
PCB 17 (BZ)	0.0122	J	0.0200	0.000821	ng/L
PCB 18 (BZ)	0.0303	B	0.0300	0.000863	ng/L
PCB 19 (BZ)	ND		0.0200	0.000925	ng/L
PCB 20 (BZ)	0.0587	B C	0.0200	0.000455	ng/L
PCB 21 (BZ)	0.0193	B C J	0.0200	0.000441	ng/L
PCB 22 (BZ)	0.0152	Q B J	0.0200	0.000462	ng/L
PCB 23 (BZ)	ND		0.0200	0.000466	ng/L
PCB 24 (BZ)	ND		0.0200	0.000611	ng/L
PCB 25 (BZ)	0.00532	J	0.0200	0.000413	ng/L
PCB 26 (BZ)	0.00950	B C J	0.0200	0.000445	ng/L
PCB 27 (BZ)	0.00251	J	0.0200	0.000560	ng/L
PCB 28 (BZ)	0.0587	B C20	0.0200	0.000455	ng/L
PCB 29 (BZ)	0.00950	B C26 J	0.0200	0.000445	ng/L
PCB 30 (BZ)	ND		0.0300	0.000581	ng/L
PCB 31 (BZ)	0.0405	B	0.0200	0.000438	ng/L
PCB 32 (BZ)	0.00355	J U	0.0200	0.000554	ng/L
PCB 33 (BZ)	0.0193	B C21 J	0.0200	0.000441	ng/L
PCB 34 (BZ)	ND		0.0200	0.000463	ng/L
PCB 35 (BZ)	ND		0.0200	0.000471	ng/L
PCB 36 (BZ)	ND		0.0200	0.000438	ng/L

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Shaw E & I Inc

Sample ID: OU5B-07-0220-D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 013	**Work Order #....:**	JQPC51AA	**Matrix....:**	WATER
Date Sampled....:	02/20/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	0.0155	B J	0.0200	0.000460	ng/L
PCB 38 (BZ)	ND		0.0200	0.000452	ng/L
PCB 39 (BZ)	0.00122	J	0.0200	0.000423	ng/L
PCB 40 (BZ)	0.0163	C J	0.0200	0.000593	ng/L
PCB 41 (BZ)	0.00293	J	0.0200	0.000782	ng/L
PCB 42 (BZ)	0.0119	J	0.0200	0.000658	ng/L
PCB 43 (BZ)	0.00174	Q C J	0.0200	0.000591	ng/L
PCB 44 (BZ)	0.0531	B C	0.0200	0.000553	ng/L
PCB 45 (BZ)	0.00728	C J U	0.0200	0.000660	ng/L
PCB 46 (BZ)	ND		0.0200	0.000801	ng/L
PCB 47 (BZ)	0.0531	B C44	0.0200	0.000553	ng/L
PCB 48 (BZ)	0.00746	Q J	0.0200	0.000639	ng/L
PCB 49 (BZ)	0.0241	Q B	0.0200	0.000563	ng/L
PCB 50 (BZ)	0.00383	Q C J	0.0200	0.000610	ng/L
PCB 51 (BZ)	0.00728	C45 J U	0.0200	0.000660	ng/L
PCB 52 (BZ)	0.0402	B	0.0200	0.000611	ng/L
PCB 53 (BZ)	0.00383	Q C50 J	0.0200	0.000610	ng/L
PCB 54 (BZ)	ND		0.0200	0.000913	ng/L
PCB 55 (BZ)	ND		0.0200	0.000487	ng/L
PCB 56 (BZ)	0.0187	J	0.0200	0.000460	ng/L
PCB 57 (BZ)	ND		0.0200	0.000474	ng/L
PCB 58 (BZ)	ND		0.0200	0.000449	ng/L
PCB 59 (BZ)	0.00503	C J	0.0200	0.000436	ng/L
PCB 60 (BZ)	0.00626	J	0.0200	0.000475	ng/L
PCB 61 (BZ)	ND		0.0200	0.000475	ng/L
PCB 62 (BZ)	0.00503	C59 J	0.0200	0.000436	ng/L
PCB 63 (BZ)	0.00205	Q J	0.0200	0.000423	ng/L
PCB 64 (BZ)	0.0154	J	0.0200	0.000431	ng/L
PCB 65 (BZ)	0.0531	B C44	0.0200	0.000553	ng/L
PCB 66 (BZ)	0.0387	B	0.0200	0.000439	ng/L
PCB 67 (BZ)	0.00201	J	0.0200	0.000440	ng/L
PCB 68 (BZ)	0.00471	B J U	0.0200	0.000426	ng/L
PCB 69 (BZ)	ND		0.0200	0.000479	ng/L
PCB 70 (BZ)	0.0535	B C	0.0200	0.000430	ng/L
PCB 71 (BZ)	0.0163	C40 J	0.0200	0.000593	ng/L
PCB 72 (BZ)	ND		0.0200	0.000450	ng/L

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Shaw E & I Inc

Sample ID: OU5B-07-0220-D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 013	Work Order #....:	JQPC51AA	Matrix....:	WATER
Date Sampled....:	02/20/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	0.00174	Q C43 J	0.0200	0.000591	ng/L
PCB 74 (BZ)	0.0535	B C70	0.0200	0.000430	ng/L
PCB 75 (BZ)	0.00503	C59 J	0.0200	0.000436	ng/L
PCB 76 (BZ)	0.0535	B C70	0.0200	0.000430	ng/L
PCB 77 (BZ)	0.00345	Q J	0.0200	0.000482	ng/L
PCB 78 (BZ)	ND		0.0200	0.000479	ng/L
PCB 79 (BZ)	ND		0.0200	0.000413	ng/L
PCB 80 (BZ)	ND		0.0200	0.000399	ng/L
PCB 81 (BZ)	ND		0.0200	0.000420	ng/L
PCB 82 (BZ)	0.00593	J	0.0200	0.00129	ng/L
PCB 83 (BZ)	0.0164	C J	0.0200	0.00101	ng/L
PCB 84 (BZ)	0.00538	Q J	0.0200	0.00115	ng/L
PCB 85 (BZ)	0.00493	Q C J	0.0200	0.000799	ng/L
PCB 86 (BZ)	0.0165	Q C J	0.0200	0.000809	ng/L
PCB 87 (BZ)	0.0165	Q C86 J	0.0200	0.000809	ng/L
PCB 88 (BZ)	ND		0.0200	0.00108	ng/L
PCB 89 (BZ)	ND		0.0200	0.00109	ng/L
PCB 90 (BZ)	0.0200	B C J	0.0200	0.000791	ng/L
PCB 91 (BZ)	0.00366	Q J	0.0200	0.000906	ng/L
PCB 92 (BZ)	0.00426	Q J	0.0200	0.00101	ng/L
PCB 93 (BZ)	ND		0.0200	0.00112	ng/L
PCB 94 (BZ)	ND		0.0200	0.00111	ng/L
PCB 95 (BZ)	0.0106	Q B C J U	0.0200	0.000911	ng/L
PCB 96 (BZ)	ND		0.0200	0.000772	ng/L
PCB 97 (BZ)	0.0165	Q C86 J	0.0200	0.000809	ng/L
PCB 98 (BZ)	ND		0.0200	0.000951	ng/L
PCB 99 (BZ)	0.0164	C83 J	0.0200	0.00101	ng/L
PCB 100 (BZ)	0.0106	Q B C95 J U	0.0200	0.000911	ng/L
PCB 101 (BZ)	0.0200	B C90 J	0.0200	0.000791	ng/L
PCB 102 (BZ)	ND		0.0200	0.000951	ng/L
PCB 103 (BZ)	ND		0.0200	0.000903	ng/L
PCB 104 (BZ)	ND		0.0200	0.000681	ng/L
PCB 105 (BZ)	0.00708	B J	0.0200	0.000454	ng/L
PCB 106 (BZ)	ND		0.0200	0.000534	ng/L
PCB 107 (BZ)/109 (IUPAC)	0.00131	J	0.0200	0.000520	ng/L
PCB 108 (BZ)/107 (IUPAC)	ND		0.0200	0.000498	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU5B-07-0220-D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 013	Work Order #....:	JQPC51AA	Matrix....:	WATER
Date Sampled....:	02/20/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	0.0165	Q C86 J	0.0200	0.000809	ng/L
PCB 110 (BZ)	0.0250	B C	0.0200	0.000687	ng/L
PCB 111 (BZ)	ND		0.0200	0.000693	ng/L
PCB 112 (BZ)	ND		0.0200	0.000725	ng/L
PCB 113 (BZ)	0.0200	B C90 J	0.0200	0.000791	ng/L
PCB 114 (BZ)	ND		0.0200	0.000426	ng/L
PCB 115 (BZ)	0.0250	B C110	0.0200	0.000687	ng/L
PCB 116 (BZ)	0.00493	Q C85 J	0.0200	0.000799	ng/L
PCB 117 (BZ)	0.00493	Q C85 J	0.0200	0.000799	ng/L
PCB 118 (BZ)	0.0133	B J	0.0200	0.000507	ng/L
PCB 119 (BZ)	0.0165	Q C86 J	0.0200	0.000809	ng/L
PCB 120 (BZ)	ND		0.0200	0.000656	ng/L
PCB 121 (BZ)	ND		0.0200	0.000708	ng/L
PCB 122 (BZ)	ND		0.0200	0.000534	ng/L
PCB 123 (BZ)	ND		0.0200	0.000530	ng/L
PCB 124 (BZ)	ND		0.0200	0.000498	ng/L
PCB 125 (BZ)	0.0165	Q C86 J	0.0200	0.000809	ng/L
PCB 126 (BZ)	ND		0.0200	0.000526	ng/L
PCB 127 (BZ)	ND		0.0200	0.000494	ng/L
PCB 128 (BZ)	0.00196	Q J	0.0200	0.00105	ng/L
PCB 129 (BZ)	0.0127	B C J U	0.0200	0.000876	ng/L
PCB 130 (BZ)	ND		0.0200	0.00114	ng/L
PCB 131 (BZ)	ND		0.0200	0.00113	ng/L
PCB 132 (BZ)	0.00510	J	0.0200	0.00114	ng/L
PCB 133 (BZ)	ND		0.0200	0.00105	ng/L
PCB 134 (BZ)	ND		0.0200	0.00113	ng/L
PCB 135 (BZ)	0.00487	Q C J	0.0200	0.000925	ng/L
PCB 136 (BZ)	ND		0.0200	0.000747	ng/L
PCB 137 (BZ)	ND		0.0200	0.000967	ng/L
PCB 138 (BZ)	0.0127	B C129 J U	0.0200	0.000876	ng/L
PCB 139 (BZ)	ND		0.0200	0.000943	ng/L
PCB 140 (BZ)	ND		0.0200	0.000943	ng/L
PCB 141 (BZ)	0.00203	Q J	0.0200	0.00107	ng/L
PCB 142 (BZ)	ND		0.0200	0.00110	ng/L
PCB 143 (BZ)	ND		0.0200	0.00113	ng/L
PCB 144 (BZ)	ND		0.0200	0.000951	ng/L

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Shaw E & I Inc

Sample ID: OU5B-07-0220-D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 013	**Work Order #....:**	JQPC51AA	**Matrix....:**	WATER
Date Sampled....:	02/20/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0200	0.000707	ng/L
PCB 146 (BZ)	**0.00210**	**Q J**	**0.0200**	**0.000924**	**ng/L**
PCB 147 (BZ)	**0.00809**	**B C J** U	**0.0200**	**0.000937**	**ng/L**
PCB 148 (BZ)	ND		0.0200	0.000964	ng/L
PCB 149 (BZ)	**0.00809**	**B C147 J** U	**0.0200**	**0.000937**	**ng/L**
PCB 150 (BZ)	ND		0.0200	0.000699	ng/L
PCB 151 (BZ)	**0.00487**	**Q C135 J**	**0.0200**	**0.000925**	**ng/L**
PCB 152 (BZ)	ND		0.0200	0.000705	ng/L
PCB 153 (BZ)	**0.00943**	**B C J** U	**0.0200**	**0.000756**	**ng/L**
PCB 154 (BZ)	**0.00487**	**Q C135 J**	**0.0200**	**0.000925**	**ng/L**
PCB 155 (BZ)	ND		0.0200	0.000646	ng/L
PCB 156 (BZ)	ND		0.0200	0.000852	ng/L
PCB 157 (BZ)	ND		0.0200	0.000852	ng/L
PCB 158 (BZ)	**0.00122**	**Q J**	**0.0200**	**0.000678**	**ng/L**
PCB 159 (BZ)	ND		0.0200	0.000748	ng/L
PCB 160 (BZ)	**0.0127**	**B C129 J** U	**0.0200**	**0.000876**	**ng/L**
PCB 161 (BZ)	ND		0.0200	0.000741	ng/L
PCB 162 (BZ)	ND		0.0200	0.000748	ng/L
PCB 163 (BZ)	**0.0127**	**B C129 J** U	**0.0200**	**0.000876**	**ng/L**
PCB 164 (BZ)	ND		0.0200	0.000781	ng/L
PCB 165 (BZ)	ND		0.0200	0.000813	ng/L
PCB 166 (BZ)	ND		0.0200	0.000732	ng/L
PCB 167 (BZ)	ND		0.0200	0.000562	ng/L
PCB 168 (BZ)	**0.00943**	**B C153 J** U	**0.0200**	**0.000756**	**ng/L**
PCB 169 (BZ)	ND		0.0200	0.000547	ng/L
PCB 170 (BZ)	**0.00247**	**J**	**0.0200**	**0.000913**	**ng/L**
PCB 171 (BZ)	ND		0.0200	0.000860	ng/L
PCB 172 (BZ)	ND		0.0200	0.000857	ng/L
PCB 173 (BZ)	ND		0.0200	0.000860	ng/L
PCB 174 (BZ)	**0.00254**	**Q J**	**0.0200**	**0.000777**	**ng/L**
PCB 175 (BZ)	ND		0.0200	0.000781	ng/L
PCB 176 (BZ)	ND		0.0200	0.000574	ng/L
PCB 177 (BZ)	ND		0.0200	0.000817	ng/L
PCB 178 (BZ)	ND		0.0200	0.000808	ng/L
PCB 179 (BZ)	**0.00128**	**Q J**	**0.0200**	**0.000599**	**ng/L**
PCB 180 (BZ)	**0.00470**	**Q B C J** U	**0.0200**	**0.000634**	**ng/L**

4/24/07

Shaw E & I Inc

Sample ID: OU5B-07-0220-D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 013	**Work Order #....:**	JQPC51AA	**Matrix....:**	WATER
Date Sampled....:	02/20/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND		0.0200	0.000737	ng/L
PCB 182 (BZ)	ND		0.0200	0.000739	ng/L
PCB 183 (BZ)	ND		0.0200	0.000759	ng/L
PCB 184 (BZ)	ND		0.0200	0.000610	ng/L
PCB 185 (BZ)	ND		0.0200	0.000782	ng/L
PCB 186 (BZ)	ND		0.0200	0.000592	ng/L
PCB 187 (BZ)	**0.00294**	**Q J**	**0.0200**	**0.000712**	**ng/L**
PCB 188 (BZ)	ND		0.0200	0.000534	ng/L
PCB 189 (BZ)	ND		0.0200	0.000525	ng/L
PCB 190 (BZ)	ND		0.0200	0.000573	ng/L
PCB 191 (BZ)	ND		0.0200	0.000585	ng/L
PCB 192 (BZ)	ND		0.0200	0.000626	ng/L
PCB 193 (BZ)	**0.00470**	**Q B C180 J U**	**0.0200**	**0.000634**	**ng/L**
PCB 194 (BZ)	**0.00158**	**Q J**	**0.0200**	**0.000607**	**ng/L**
PCB 195 (BZ)	ND		0.0200	0.000668	ng/L
PCB 196 (BZ)	ND		0.0200	0.000839	ng/L
PCB 197 (BZ)	ND		0.0200	0.000595	ng/L
PCB 198 (BZ)	ND		0.0200	0.000829	ng/L
PCB 201 (BZ)/199 (IUPAC)	ND		0.0200	0.000829	ng/L
PCB 199 (BZ)/200 (IUPAC)	ND		0.0200	0.000612	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND		0.0200	0.000581	ng/L
PCB 202 (BZ)	ND		0.0200	0.000636	ng/L
PCB 203 (BZ)	ND		0.0200	0.000737	ng/L
PCB 204 (BZ)	ND		0.0200	0.000611	ng/L
PCB 205 (BZ)	ND		0.0200	0.000490	ng/L
PCB 206 (BZ)	ND		0.0200	0.00129	ng/L
PCB 207 (BZ)	ND		0.0200	0.000791	ng/L
PCB 208 (BZ)	ND		0.0200	0.000751	ng/L
PCB 209 (BZ)	**0.00192**	**Q J**	**0.0200**	**0.000590**	**ng/L**

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU5B-07-0220-D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 013	**Work Order #....:**	JQPC51AA	**Matrix....:**	WATER
Date Sampled....:	02/20/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	92		30 - 140
13C12-PCB 3	91		30 - 140
13C12-PCB 4	104		30 - 140
13C12-PCB 15	116		30 - 140
13C12-PCB 19	95		30 - 140
13C12-PCB 37	95		30 - 140
13C12-PCB 54	94		30 - 140
13C12-PCB 77	110		30 - 140
13C12-PCB 81	109		30 - 140
13C12-PCB 104	103		30 - 140
13C12-PCB 105	105		30 - 140
13C12-PCB 114	103		30 - 140
13C12-PCB 118	100		30 - 140
13C12-PCB 123	81		30 - 140
13C12-PCB 126	90		30 - 140
13C12-PCB 155	106		30 - 140
13C12-PCB 156	104	C	30 - 140
13C12-PCB 157	104	C	30 - 140
13C12-PCB 167	86		30 - 140
13C12-PCB 169	79		30 - 140
13C12-PCB 170	103		30 - 140
13C12-PCB 188	114		30 - 140
13C12-PCB 189	108		30 - 140
13C12-PCB 202	118		30 - 140
13C12-PCB 205	123		30 - 140
13C12-PCB 206	108		30 - 140
13C12-PCB 208	131		30 - 140
13C12-PCB 209	128		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	88	40 - 125
13C12-PCB 111	111	40 - 125
13C12-PCB 178	79	40 - 125

MAW 4/24/07

Shaw E & I Inc

Sample ID: OU5B-07-0220-D,F

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 013	**Work Order #....:**	JQPC51AA	**Matrix....:**	WATER
Date Sampled....:	02/20/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/28/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	2000 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Patricia(Trish) M. Parsly				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

MAW 4/24/07

Shaw E & I Inc

Sample ID: FIELD BLANK

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 014	**Work Order #....:**	JQPC81AA	**Matrix....:**	WATER
Date Sampled....:	02/20/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/20/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	980 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 1 (BZ)	ND		0.0408	0.000498	ng/L
PCB 2 (BZ)	ND		0.0408	0.000560	ng/L
PCB 3 (BZ)	ND		0.0408	0.000566	ng/L
PCB 4 (BZ)	**0.00533**	**Q B J** U	**0.0612**	**0.00398**	**ng/L**
PCB 5 (BZ)	ND		0.0408	0.00277	ng/L
PCB 6 (BZ)	ND		0.0408	0.00259	ng/L
PCB 7 (BZ)	ND		0.0408	0.00262	ng/L
PCB 8 (BZ)	**0.0109**	**Q B J** U	**0.0612**	**0.00254**	**ng/L**
PCB 9 (BZ)	ND		0.0408	0.00260	ng/L
PCB 10 (BZ)	ND		0.0408	0.00283	ng/L
PCB 11 (BZ)	**0.0117**	**Q B J** U	**0.0612**	**0.00259**	**ng/L**
PCB 12 (BZ)	ND		0.0612	0.00258	ng/L
PCB 13 (BZ)	ND		0.0612	0.00258	ng/L
PCB 14 (BZ)	ND		0.0408	0.00222	ng/L
PCB 15 (BZ)	**0.00370**	**Q B J** U	**0.0408**	**0.00249**	**ng/L**
PCB 16 (BZ)	**0.00491**	**J**	**0.0408**	**0.00226**	**ng/L**
PCB 17 (BZ)	ND		0.0408	0.00197	ng/L
PCB 18 (BZ)	**0.0103**	**B J** U	**0.0612**	**0.00207**	**ng/L**
PCB 19 (BZ)	ND		0.0408	0.00222	ng/L
PCB 20 (BZ)	**0.00676**	**B C J** U	**0.0408**	**0.000927**	**ng/L**
PCB 21 (BZ)	**0.00390**	**Q B C J** U	**0.0408**	**0.000900**	**ng/L**
PCB 22 (BZ)	**0.00318**	**B J** U	**0.0408**	**0.000942**	**ng/L**
PCB 23 (BZ)	ND		0.0408	0.000950	ng/L
PCB 24 (BZ)	ND		0.0408	0.00147	ng/L
PCB 25 (BZ)	ND		0.0408	0.000843	ng/L
PCB 26 (BZ)	ND		0.0408	0.000908	ng/L
PCB 27 (BZ)	ND		0.0408	0.00134	ng/L
PCB 28 (BZ)	**0.00676**	**B C20 J** U	**0.0408**	**0.000927**	**ng/L**
PCB 29 (BZ)	ND		0.0408	0.000908	ng/L
PCB 30 (BZ)	ND		0.0612	0.00139	ng/L
PCB 31 (BZ)	**0.00649**	**B J** U	**0.0408**	**0.000893**	**ng/L**
PCB 32 (BZ)	**0.00344**	**Q J**	**0.0408**	**0.00133**	**ng/L**
PCB 33 (BZ)	**0.00390**	**Q B C21 J** U	**0.0408**	**0.000900**	**ng/L**
PCB 34 (BZ)	ND		0.0408	0.000944	ng/L
PCB 35 (BZ)	ND		0.0408	0.000960	ng/L
PCB 36 (BZ)	ND		0.0408	0.000893	ng/L

MM 4/24/07

Shaw E & I Inc

Sample ID: FIELD BLANK

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 014	Work Order #....:	JQPC81AA	Matrix....:	WATER
Date Sampled....:	02/20/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/20/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	980 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 37 (BZ)	**0.00250**	**B J** U	**0.0408**	**0.000938**	**ng/L**
PCB 38 (BZ)	ND		0.0408	0.000921	ng/L
PCB 39 (BZ)	ND		0.0408	0.000863	ng/L
PCB 40 (BZ)	**0.00285**	**C J**	**0.0408**	**0.00153**	**ng/L**
PCB 41 (BZ)	ND		0.0408	0.00202	ng/L
PCB 42 (BZ)	ND		0.0408	0.00170	ng/L
PCB 43 (BZ)	ND		0.0408	0.00152	ng/L
PCB 44 (BZ)	**0.0271**	**B C J** U	**0.0408**	**0.00142**	**ng/L**
PCB 45 (BZ)	**0.00530**	**C J**	**0.0408**	**0.00170**	**ng/L**
PCB 46 (BZ)	ND		0.0408	0.00206	ng/L
PCB 47 (BZ)	**0.0271**	**B C44 J** U	**0.0408**	**0.00142**	**ng/L**
PCB 48 (BZ)	ND		0.0408	0.00165	ng/L
PCB 49 (BZ)	**0.00457**	**B J** U	**0.0408**	**0.00145**	**ng/L**
PCB 50 (BZ)	ND		0.0408	0.00157	ng/L
PCB 51 (BZ)	**0.00530**	**C45 J**	**0.0408**	**0.00170**	**ng/L**
PCB 52 (BZ)	**0.00941**	**B J** U	**0.0408**	**0.00158**	**ng/L**
PCB 53 (BZ)	ND		0.0408	0.00157	ng/L
PCB 54 (BZ)	ND		0.0408	0.00194	ng/L
PCB 55 (BZ)	ND		0.0408	0.00126	ng/L
PCB 56 (BZ)	ND		0.0408	0.00118	ng/L
PCB 57 (BZ)	ND		0.0408	0.00122	ng/L
PCB 58 (BZ)	ND		0.0408	0.00116	ng/L
PCB 59 (BZ)	ND		0.0408	0.00112	ng/L
PCB 60 (BZ)	ND		0.0408	0.00122	ng/L
PCB 61 (BZ)	ND		0.0408	0.00123	ng/L
PCB 62 (BZ)	ND		0.0408	0.00112	ng/L
PCB 63 (BZ)	ND		0.0408	0.00109	ng/L
PCB 64 (BZ)	**0.00246**	**J** BU	**0.0408**	**0.00111**	**ng/L**
PCB 65 (BZ)	**0.0271**	**B C44 J** U	**0.0408**	**0.00142**	**ng/L**
PCB 66 (BZ)	**0.00345**	**B J** U	**0.0408**	**0.00113**	**ng/L**
PCB 67 (BZ)	ND		0.0408	0.00113	ng/L
PCB 68 (BZ)	**0.00614**	**B J** U	**0.0408**	**0.00110**	**ng/L**
PCB 69 (BZ)	ND		0.0408	0.00124	ng/L
PCB 70 (BZ)	**0.00567**	**Q B C J** U	**0.0408**	**0.00111**	**ng/L**
PCB 71 (BZ)	**0.00285**	**C40 J**	**0.0408**	**0.00153**	**ng/L**
PCB 72 (BZ)	ND		0.0408	0.00116	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: FIELD BLANK

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 014	**Work Order #....:**	JQPC81AA	**Matrix....:**	WATER
Date Sampled....:	02/20/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/20/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	980 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 73 (BZ)	ND		0.0408	0.00152	ng/L
PCB 74 (BZ)	**0.00567**	**Q B C70 J** u	**0.0408**	**0.00111**	**ng/L**
PCB 75 (BZ)	ND		0.0408	0.00112	ng/L
PCB 76 (BZ)	**0.00567**	**Q B C70 J** u	**0.0408**	**0.00111**	**ng/L**
PCB 77 (BZ)	ND		0.0408	0.00119	ng/L
PCB 78 (BZ)	ND		0.0408	0.00123	ng/L
PCB 79 (BZ)	ND		0.0408	0.00106	ng/L
PCB 80 (BZ)	ND		0.0408	0.00103	ng/L
PCB 81 (BZ)	ND		0.0408	0.00113	ng/L
PCB 82 (BZ)	ND		0.0408	0.00330	ng/L
PCB 83 (BZ)	ND		0.0408	0.00257	ng/L
PCB 84 (BZ)	ND		0.0408	0.00294	ng/L
PCB 85 (BZ)	ND		0.0408	0.00204	ng/L
PCB 86 (BZ)	ND		0.0408	0.00206	ng/L
PCB 87 (BZ)	ND		0.0408	0.00206	ng/L
PCB 88 (BZ)	ND		0.0408	0.00276	ng/L
PCB 89 (BZ)	ND		0.0408	0.00278	ng/L
PCB 90 (BZ)	**0.00776**	**B C J** u	**0.0408**	**0.00202**	**ng/L**
PCB 91 (BZ)	ND		0.0408	0.00231	ng/L
PCB 92 (BZ)	ND		0.0408	0.00258	ng/L
PCB 93 (BZ)	ND		0.0408	0.00284	ng/L
PCB 94 (BZ)	ND		0.0408	0.00284	ng/L
PCB 95 (BZ)	**0.00734**	**B C J** u	**0.0408**	**0.00232**	**ng/L**
PCB 96 (BZ)	ND		0.0408	0.00197	ng/L
PCB 97 (BZ)	ND		0.0408	0.00206	ng/L
PCB 98 (BZ)	ND		0.0408	0.00243	ng/L
PCB 99 (BZ)	ND		0.0408	0.00257	ng/L
PCB 100 (BZ)	**0.00734**	**B C95 J** u	**0.0408**	**0.00232**	**ng/L**
PCB 101 (BZ)	**0.00776**	**B C90 J** u	**0.0408**	**0.00202**	**ng/L**
PCB 102 (BZ)	ND		0.0408	0.00243	ng/L
PCB 103 (BZ)	ND		0.0408	0.00230	ng/L
PCB 104 (BZ)	ND		0.0408	0.00174	ng/L
PCB 105 (BZ)	ND		0.0408	0.00108	ng/L
PCB 106 (BZ)	ND		0.0408	0.00125	ng/L
PCB 107 (BZ)/109 (IUPAC)	ND		0.0408	0.00121	ng/L
PCB 108 (BZ)/107 (IUPAC)	ND		0.0408	0.00116	ng/L

4/24/07

Shaw E & I Inc

Sample ID: FIELD BLANK

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 014	Work Order #....:	JQPC81AA	Matrix....:	WATER
Date Sampled....:	02/20/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/20/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	980 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 109 (BZ)/108 (IUPAC)	ND		0.0408	0.00206	ng/L
PCB 110 (BZ)	**0.00749**	**Q B C J** u	**0.0408**	**0.00175**	**ng/L**
PCB 111 (BZ)	ND		0.0408	0.00177	ng/L
PCB 112 (BZ)	ND		0.0408	0.00185	ng/L
PCB 113 (BZ)	**0.00776**	**B C90 J** u	**0.0408**	**0.00202**	**ng/L**
PCB 114 (BZ)	ND		0.0408	0.00113	ng/L
PCB 115 (BZ)	**0.00749**	**Q B C110 J** u	**0.0408**	**0.00175**	**ng/L**
PCB 116 (BZ)	ND		0.0408	0.00204	ng/L
PCB 117 (BZ)	ND		0.0408	0.00204	ng/L
PCB 118 (BZ)	**0.00509**	**B J** u	**0.0408**	**0.00115**	**ng/L**
PCB 119 (BZ)	ND		0.0408	0.00206	ng/L
PCB 120 (BZ)	ND		0.0408	0.00167	ng/L
PCB 121 (BZ)	ND		0.0408	0.00181	ng/L
PCB 122 (BZ)	ND		0.0408	0.00125	ng/L
PCB 123 (BZ)	ND		0.0408	0.00115	ng/L
PCB 124 (BZ)	ND		0.0408	0.00116	ng/L
PCB 125 (BZ)	ND		0.0408	0.00206	ng/L
PCB 126 (BZ)	ND		0.0408	0.00116	ng/L
PCB 127 (BZ)	ND		0.0408	0.00115	ng/L
PCB 128 (BZ)	ND		0.0408	0.00248	ng/L
PCB 129 (BZ)	**0.00480**	**B C J** u	**0.0408**	**0.00207**	**ng/L**
PCB 130 (BZ)	ND		0.0408	0.00270	ng/L
PCB 131 (BZ)	ND		0.0408	0.00268	ng/L
PCB 132 (BZ)	ND		0.0408	0.00269	ng/L
PCB 133 (BZ)	ND		0.0408	0.00249	ng/L
PCB 134 (BZ)	ND		0.0408	0.00269	ng/L
PCB 135 (BZ)	ND		0.0408	0.00275	ng/L
PCB 136 (BZ)	ND		0.0408	0.00222	ng/L
PCB 137 (BZ)	ND		0.0408	0.00229	ng/L
PCB 138 (BZ)	**0.00480**	**B C129 J** u	**0.0408**	**0.00207**	**ng/L**
PCB 139 (BZ)	ND		0.0408	0.00223	ng/L
PCB 140 (BZ)	ND		0.0408	0.00223	ng/L
PCB 141 (BZ)	ND		0.0408	0.00253	ng/L
PCB 142 (BZ)	ND		0.0408	0.00260	ng/L
PCB 143 (BZ)	ND		0.0408	0.00269	ng/L
PCB 144 (BZ)	ND		0.0408	0.00283	ng/L

4/24/07

Shaw E & I Inc

Sample ID: FIELD BLANK

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 014	**Work Order #....:**	JQPC81AA	**Matrix....:**	WATER
Date Sampled....:	02/20/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/20/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	980 mL	**Instrument ID....:**	MID	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT		MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 145 (BZ)	ND		0.0408	0.00210	ng/L
PCB 146 (BZ)	ND		0.0408	0.00219	ng/L
PCB 147 (BZ)	**0.00536**	**Q B C J** u	**0.0408**	**0.00222**	**ng/L**
PCB 148 (BZ)	ND		0.0408	0.00287	ng/L
PCB 149 (BZ)	**0.00536**	**Q B C147 J** u	**0.0408**	**0.00222**	**ng/L**
PCB 150 (BZ)	ND		0.0408	0.00208	ng/L
PCB 151 (BZ)	ND		0.0408	0.00275	ng/L
PCB 152 (BZ)	ND		0.0408	0.00210	ng/L
PCB 153 (BZ)	**0.00618**	**B C J** u	**0.0408**	**0.00179**	**ng/L**
PCB 154 (BZ)	ND		0.0408	0.00275	ng/L
PCB 155 (BZ)	ND		0.0408	0.00192	ng/L
PCB 156 (BZ)	ND		0.0408	0.00212	ng/L
PCB 157 (BZ)	ND		0.0408	0.00212	ng/L
PCB 158 (BZ)	ND		0.0408	0.00160	ng/L
PCB 159 (BZ)	ND		0.0408	0.00177	ng/L
PCB 160 (BZ)	**0.00480**	**B C129 J** u	**0.0408**	**0.00207**	**ng/L**
PCB 161 (BZ)	ND		0.0408	0.00175	ng/L
PCB 162 (BZ)	ND		0.0408	0.00177	ng/L
PCB 163 (BZ)	**0.00480**	**B C129 J** u	**0.0408**	**0.00207**	**ng/L**
PCB 164 (BZ)	ND		0.0408	0.00185	ng/L
PCB 165 (BZ)	ND		0.0408	0.00192	ng/L
PCB 166 (BZ)	ND		0.0408	0.00173	ng/L
PCB 167 (BZ)	ND		0.0408	0.00124	ng/L
PCB 168 (BZ)	**0.00618**	**B C153 J** u	**0.0408**	**0.00179**	**ng/L**
PCB 169 (BZ)	ND		0.0408	0.00130	ng/L
PCB 170 (BZ)	ND		0.0408	0.00223	ng/L
PCB 171 (BZ)	ND		0.0408	0.00233	ng/L
PCB 172 (BZ)	ND		0.0408	0.00232	ng/L
PCB 173 (BZ)	ND		0.0408	0.00233	ng/L
PCB 174 (BZ)	ND		0.0408	0.00210	ng/L
PCB 175 (BZ)	ND		0.0408	0.00211	ng/L
PCB 176 (BZ)	ND		0.0408	0.00155	ng/L
PCB 177 (BZ)	ND		0.0408	0.00221	ng/L
PCB 178 (BZ)	ND		0.0408	0.00219	ng/L
PCB 179 (BZ)	ND		0.0408	0.00162	ng/L
PCB 180 (BZ)	ND		0.0408	0.00171	ng/L

MAW 4/24/07

Shaw E & I Inc

Sample ID: FIELD BLANK

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 014	Work Order #....:	JQPC81AA	Matrix....:	WATER
Date Sampled....:	02/20/07	Date Received....:	03/08/07	Dilution Factor:	1
Prep Date....:	03/12/07	Analysis Date....:	03/20/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	980 mL	Instrument ID....:	M1D	Method:	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

PARAMETER	RESULT	MINIMUM LEVEL	ESTIMATED DETECTION LIMIT	UNITS
PCB 181 (BZ)	ND	0.0408	0.00199	ng/L
PCB 182 (BZ)	ND	0.0408	0.00200	ng/L
PCB 183 (BZ)	ND	0.0408	0.00205	ng/L
PCB 184 (BZ)	ND	0.0408	0.00165	ng/L
PCB 185 (BZ)	ND	0.0408	0.00212	ng/L
PCB 186 (BZ)	ND	0.0408	0.00160	ng/L
PCB 187 (BZ)	ND	0.0408	0.00193	ng/L
PCB 188 (BZ)	ND	0.0408	0.00155	ng/L
PCB 189 (BZ)	ND	0.0408	0.00114	ng/L
PCB 190 (BZ)	ND	0.0408	0.00155	ng/L
PCB 191 (BZ)	ND	0.0408	0.00158	ng/L
PCB 192 (BZ)	ND	0.0408	0.00169	ng/L
PCB 193 (BZ)	ND	0.0408	0.00171	ng/L
PCB 194 (BZ)	ND	0.0408	0.00198	ng/L
PCB 195 (BZ)	ND	0.0408	0.00218	ng/L
PCB 196 (BZ)	ND	0.0408	0.00267	ng/L
PCB 197 (BZ)	ND	0.0408	0.00189	ng/L
PCB 198 (BZ)	ND	0.0408	0.00264	ng/L
PCB 201 (BZ)/199 (IUPAC)	ND	0.0408	0.00264	ng/L
PCB 199 (BZ)/200 (IUPAC)	ND	0.0408	0.00195	ng/L
PCB 200 (BZ)/201 (IUPAC)	ND	0.0408	0.00185	ng/L
PCB 202 (BZ)	ND	0.0408	0.00202	ng/L
PCB 203 (BZ)	ND	0.0408	0.00234	ng/L
PCB 204 (BZ)	ND	0.0408	0.00194	ng/L
PCB 205 (BZ)	ND	0.0408	0.00160	ng/L
PCB 206 (BZ)	ND	0.0408	0.00273	ng/L
PCB 207 (BZ)	ND	0.0408	0.00184	ng/L
PCB 208 (BZ)	ND	0.0408	0.00185	ng/L
PCB 209 (BZ)	ND	0.0408	0.00148	ng/L

MSW 4/24/07

Shaw E & I Inc

Sample ID: FIELD BLANK

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 014	**Work Order #....:**	JQPC81AA	**Matrix....:**	WATER
Date Sampled....:	02/20/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/20/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	980 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS
13C12-PCB 1	80		30 - 140
13C12-PCB 3	82		30 - 140
13C12-PCB 4	86		30 - 140
13C12-PCB 15	101		30 - 140
13C12-PCB 19	93		30 - 140
13C12-PCB 37	100		30 - 140
13C12-PCB 54	94		30 - 140
13C12-PCB 77	105		30 - 140
13C12-PCB 81	102		30 - 140
13C12-PCB 104	91		30 - 140
13C12-PCB 105	102		30 - 140
13C12-PCB 114	99		30 - 140
13C12-PCB 118	103		30 - 140
13C12-PCB 123	101		30 - 140
13C12-PCB 126	102		30 - 140
13C12-PCB 155	88		30 - 140
13C12-PCB 156	114	C	30 - 140
13C12-PCB 157	114	C	30 - 140
13C12-PCB 167	103		30 - 140
13C12-PCB 169	91		30 - 140
13C12-PCB 170	99		30 - 140
13C12-PCB 188	87		30 - 140
13C12-PCB 189	104		30 - 140
13C12-PCB 202	90		30 - 140
13C12-PCB 205	95		30 - 140
13C12-PCB 206	92		30 - 140
13C12-PCB 208	98		30 - 140
13C12-PCB 209	93		30 - 140

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
13C12-PCB 28	88	40 - 125
13C12-PCB 111	101	40 - 125
13C12-PCB 178	85	40 - 125

MAW 4/24/07

Shaw E & I Inc

Sample ID: FIELD BLANK

Trace Level Organic Compounds

Lot - Sample #....:	H7C080328 - 014	**Work Order #....:**	JQPC81AA	**Matrix....:**	WATER
Date Sampled....:	02/20/07	**Date Received....:**	03/08/07	**Dilution Factor:**	1
Prep Date....:	03/12/07	**Analysis Date....:**	03/20/07		
Prep Batch # ....:	7068095				
Initial Wgt/Vol :	980 mL	**Instrument ID....:**	M1D	**Method:**	EPA-22 1668A
Analyst ID....:	Daniel (Dan) C. Gobich				

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

C Co-eluting isomer.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

4/24/07

SAMPLE_NO	B	COUNT(*)
LWB-07-0212	F	29
LWB-07-0212	P	22
OU1-07-0213	F	24
OU1-07-0213	P	43
OU2A-07-0213	F	21
OU2A-07-0213	P	47
OU2B-07-0214	F	18
OU2B-07-0214	P	33
OU2C-07-0214	F	20
OU2C-07-0214	P	38
OU3-07-0215	F	19
OU3-07-0215	P	45
OU4-07-0216	F	7
OU4-07-0216	P	72
OU4D-07-0216	F	29
OU4D-07-0216	P	72
OU5A-07-0216-A,C,E	F	8
OU5A-07-0216-A,C,E	P	65
OU5A-07-0216-B,D,F	F	8
OU5A-07-0216-B,D,F	P	76
OU5B-07-0220-C,E	F	13
OU5B-07-0220-C,E	P	55
OU5B-07-0220-D,F	F	13
OU5B-07-0220-D,F	P	59
OU5C-07-0219-C,E	F	22
OU5C-07-0219-C,E	P	41
OU5C-07-0219-D,F	F	23
OU5C-07-0219-D,F	P	34

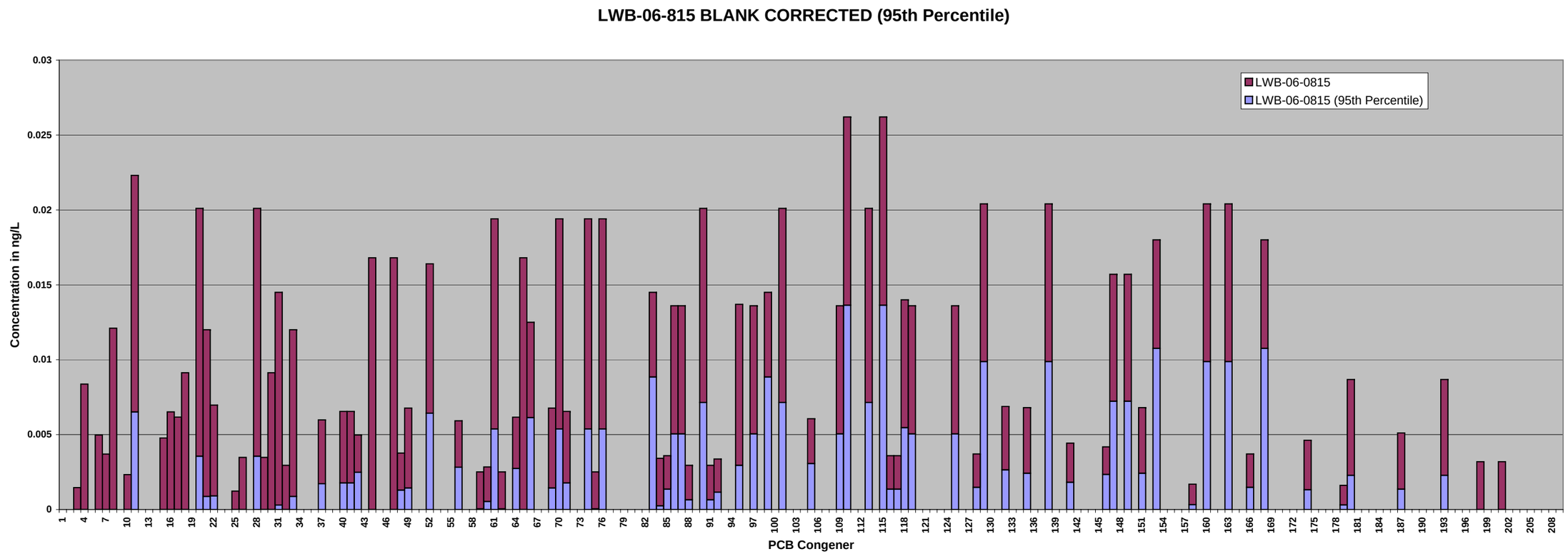
APPENDIX I

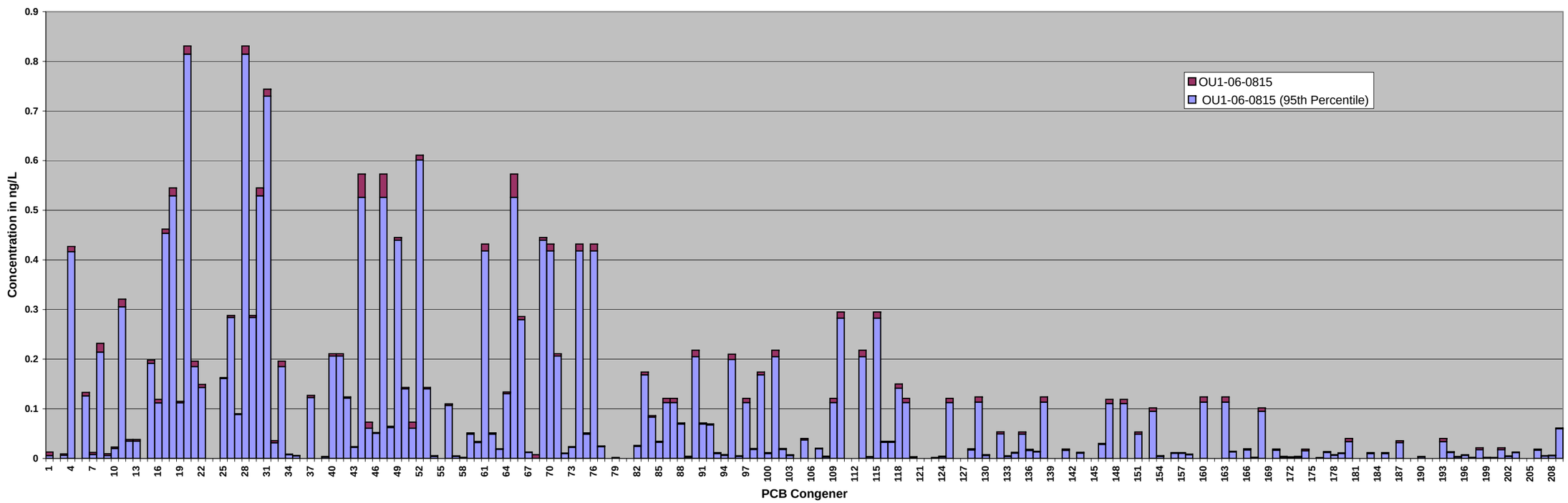
PCB CONGENER PROFILES IN WATER

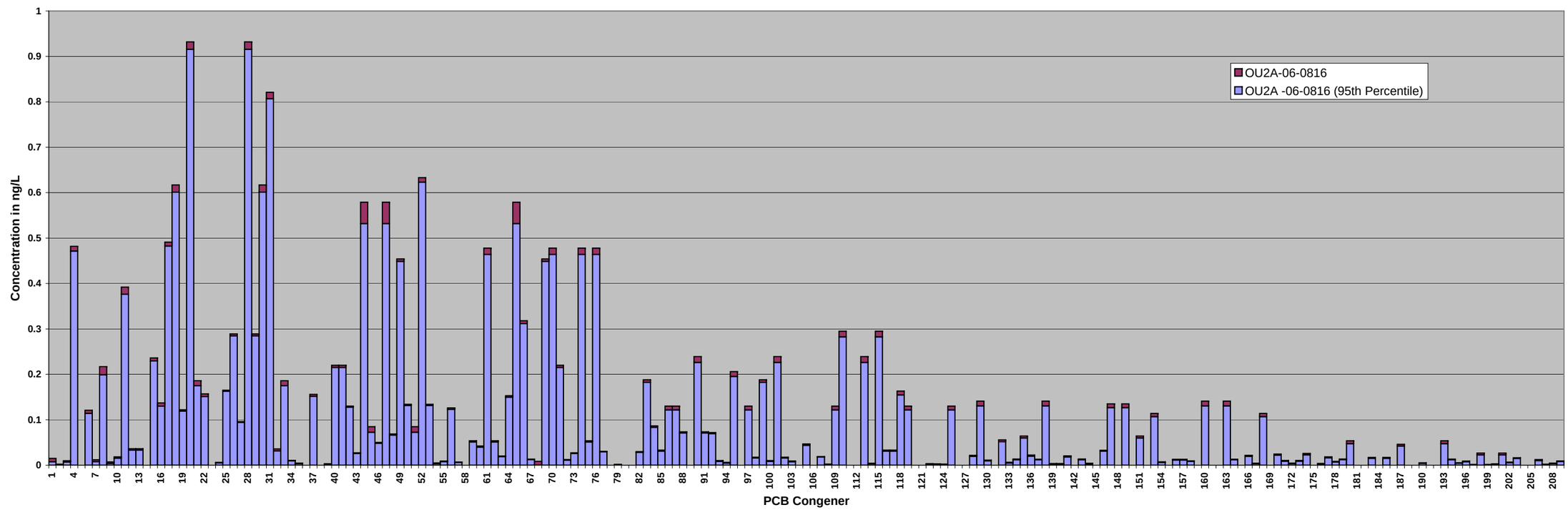
APPENDIX I

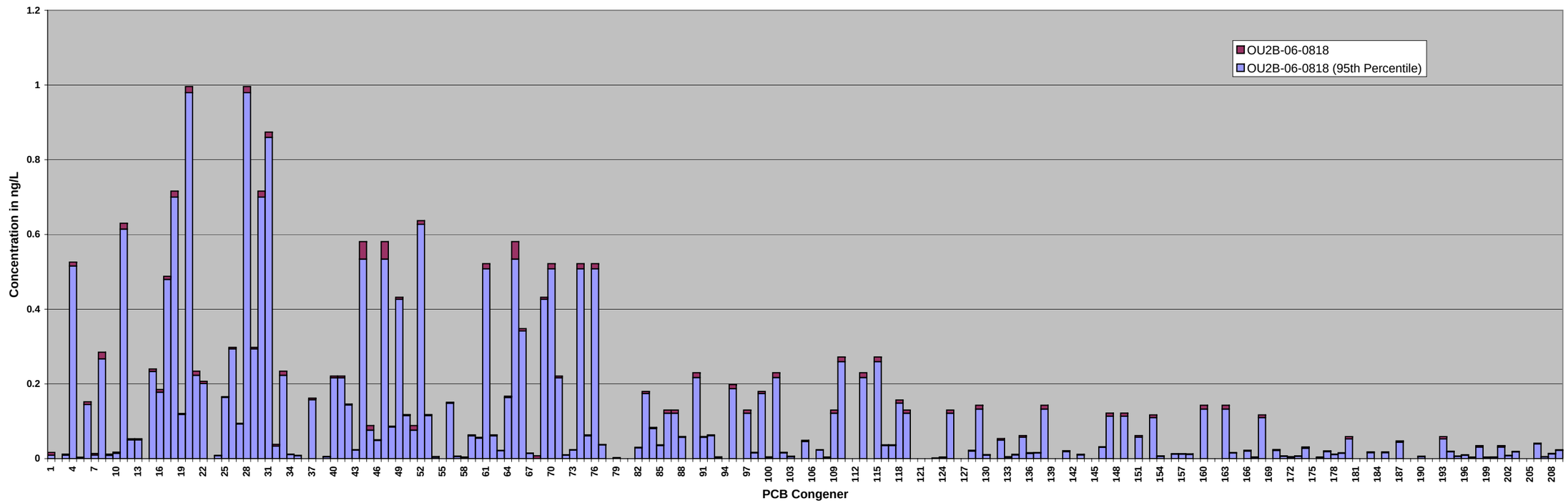
PCB CONGENER PROFILES IN WATER

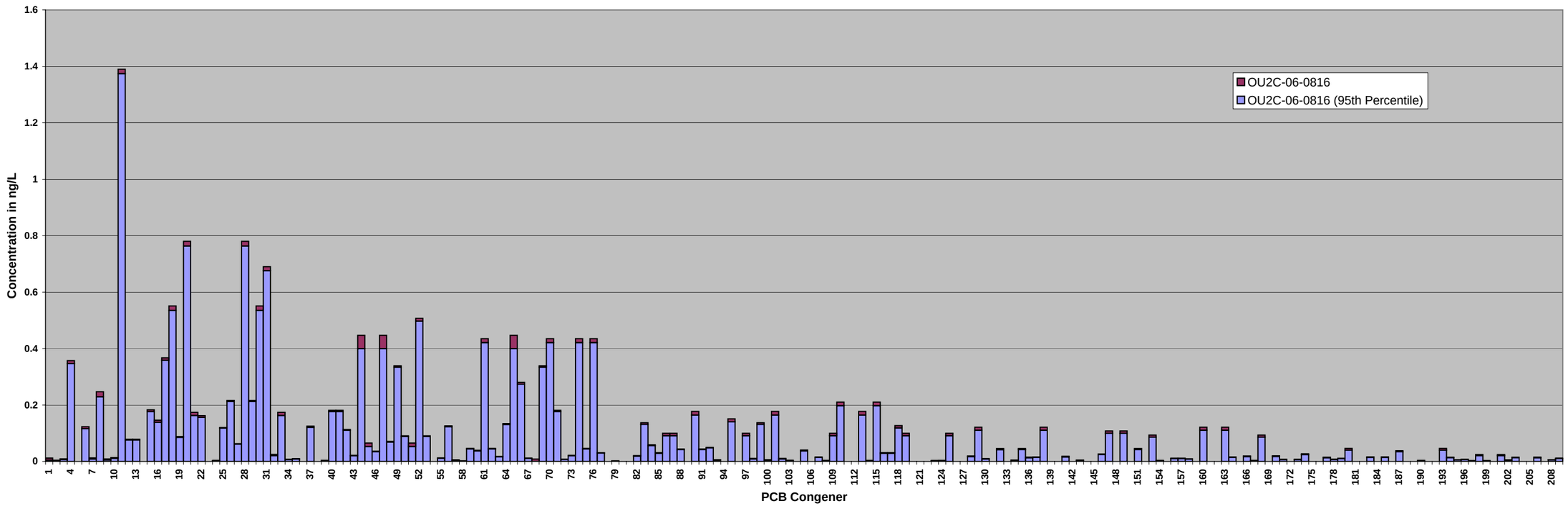
AUGUST 2006

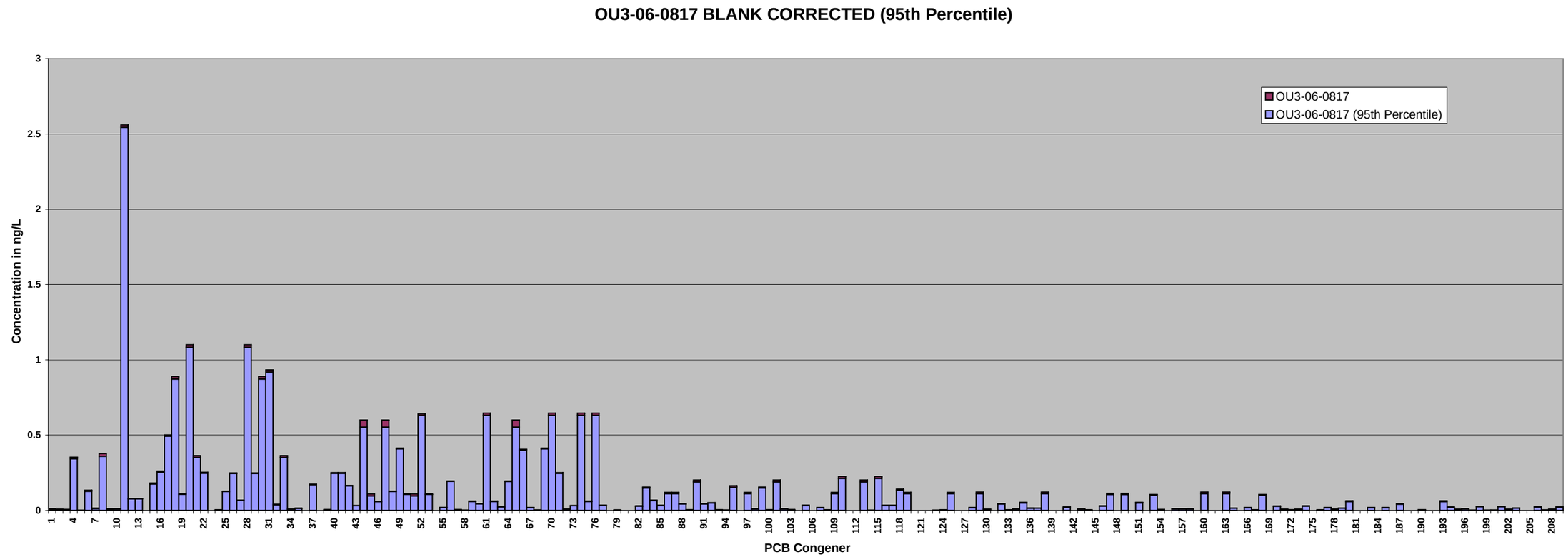

LWB-06-815 BLANK CORRECTED (95th Percentile)
LWB-06-0815
LWB-06-0815 (95th Percentile)
Concentration in ng/L
0.03
0.025
0.02
0.015
0.01
0.005
0
PCB Congener

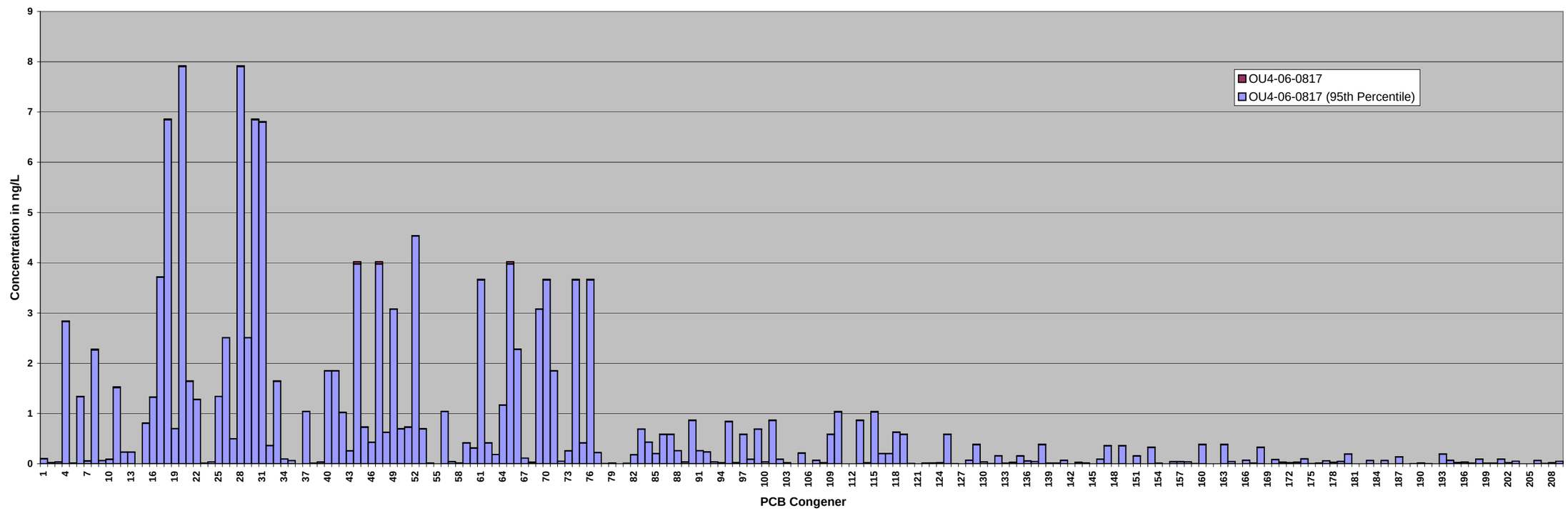

OU1-06-0815 BLANK CORRECTED (95th Corrected)
OU1-06-0815
OU1-06-0815 (95th Percentile)
Concentration in ng/L
PCB Congener

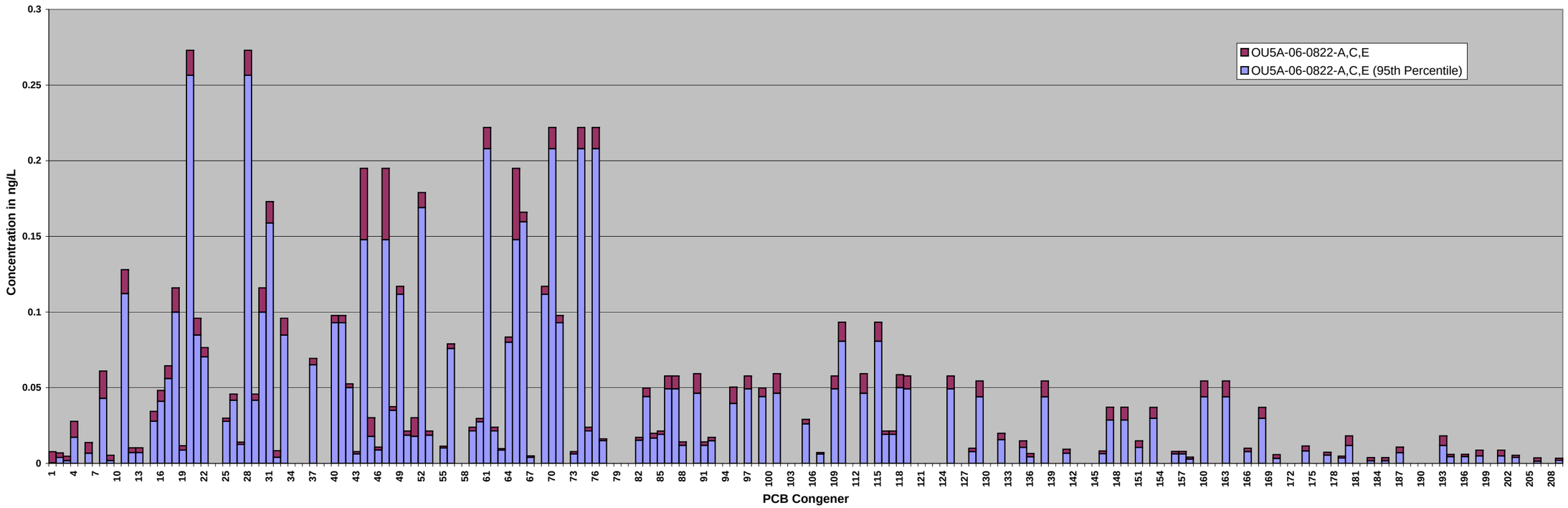

OU2A-06-0816 BLANK CORRECTED (95th Percentile)
OU2A-06-0816
OU2A -06-0816 (95th Percentile)
Concentration in ng/L
PCB Congener

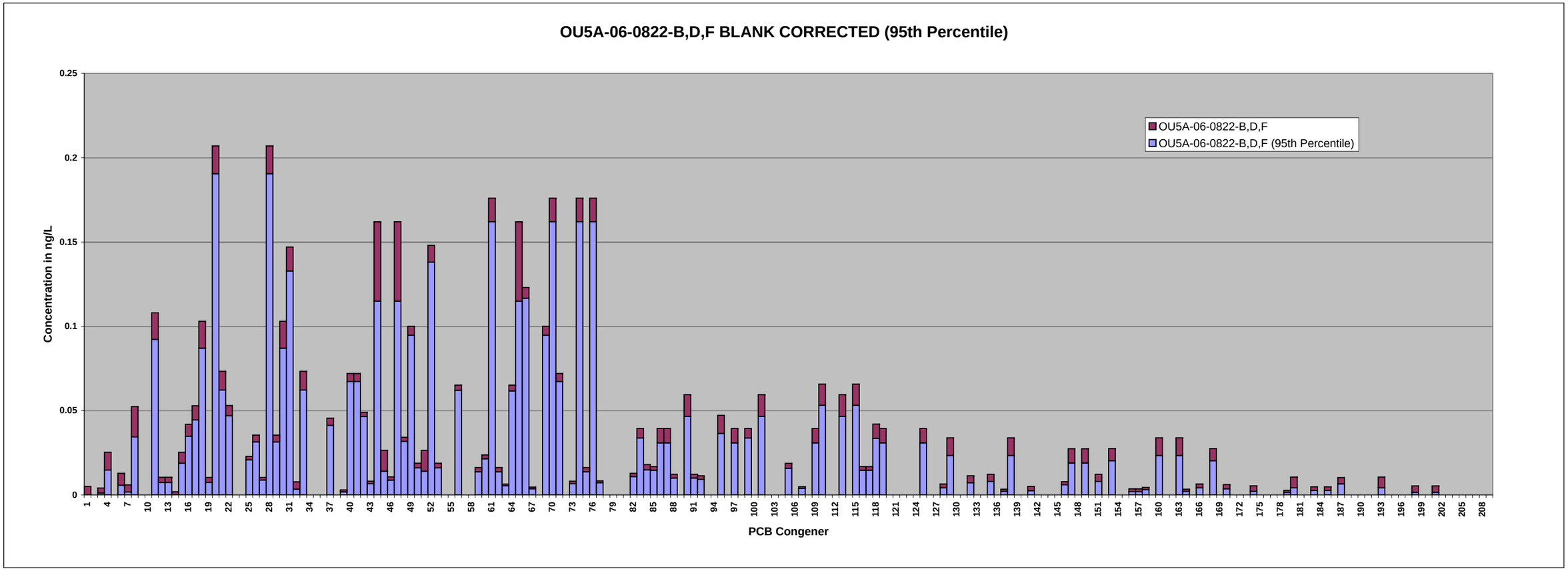

OU2B-06-0818 BLANK CORRECTED (95th Percentile)
OU2B-06-0818
OU2B-06-0818 (95th Percentile)
Concentration in ng/L
PCB Congener

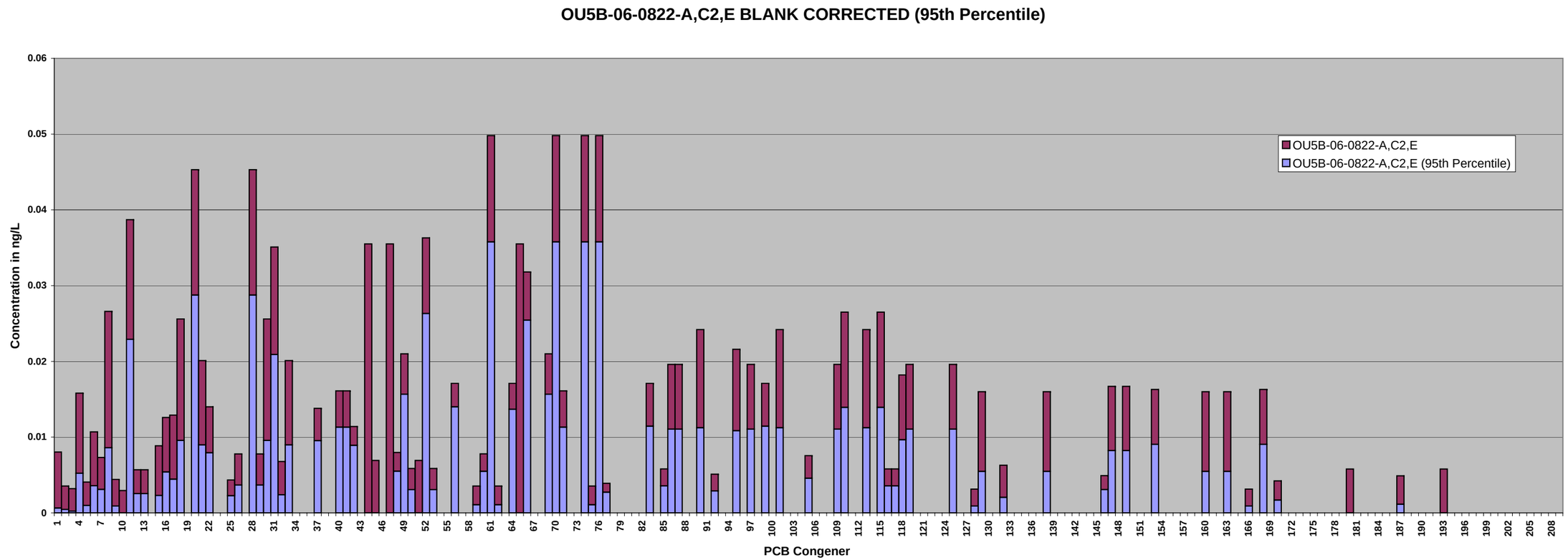

OU2C-06-0816 BLANK CORRECTED (95th Percentile)
OU2C-06-0816
OU2C-06-0816 (95th Percentile)
Concentration in ng/L
PCB Congener

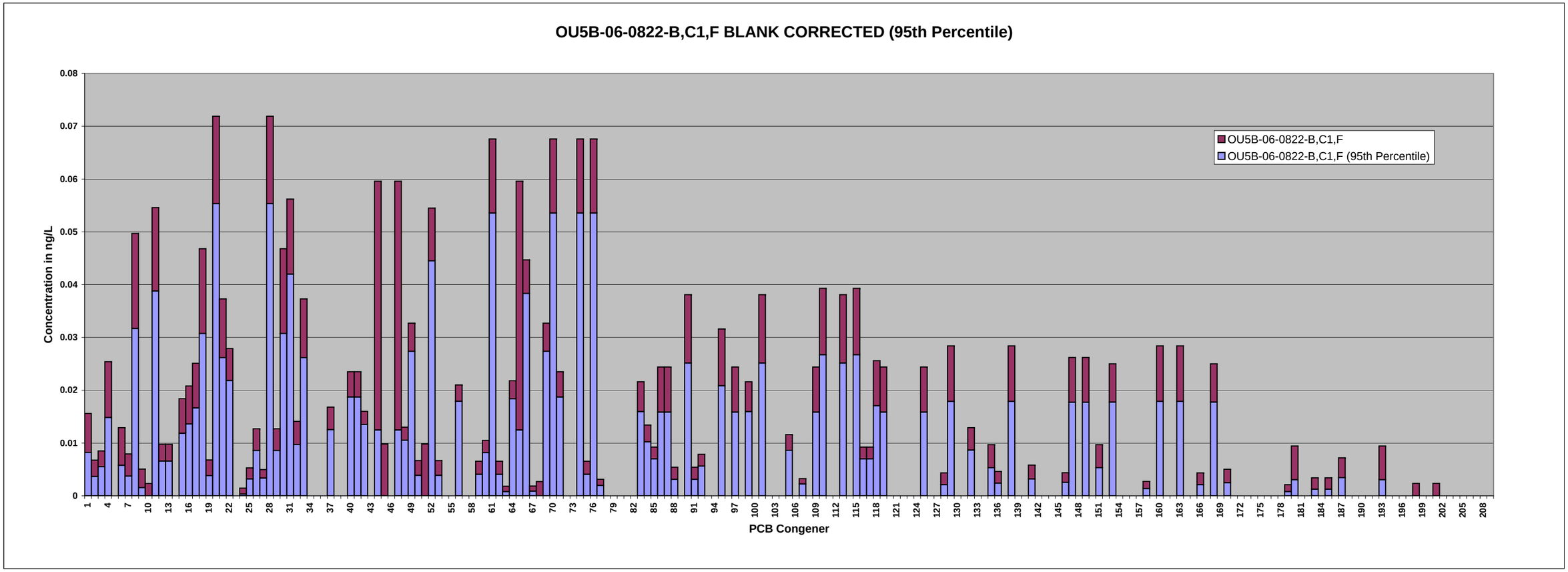

OU3-06-0817 BLANK CORRECTED (95th Percentile)
OU3-06-0817
OU3-06-0817 (95th Percentile)
Concentration in ng/L
PCB Congener

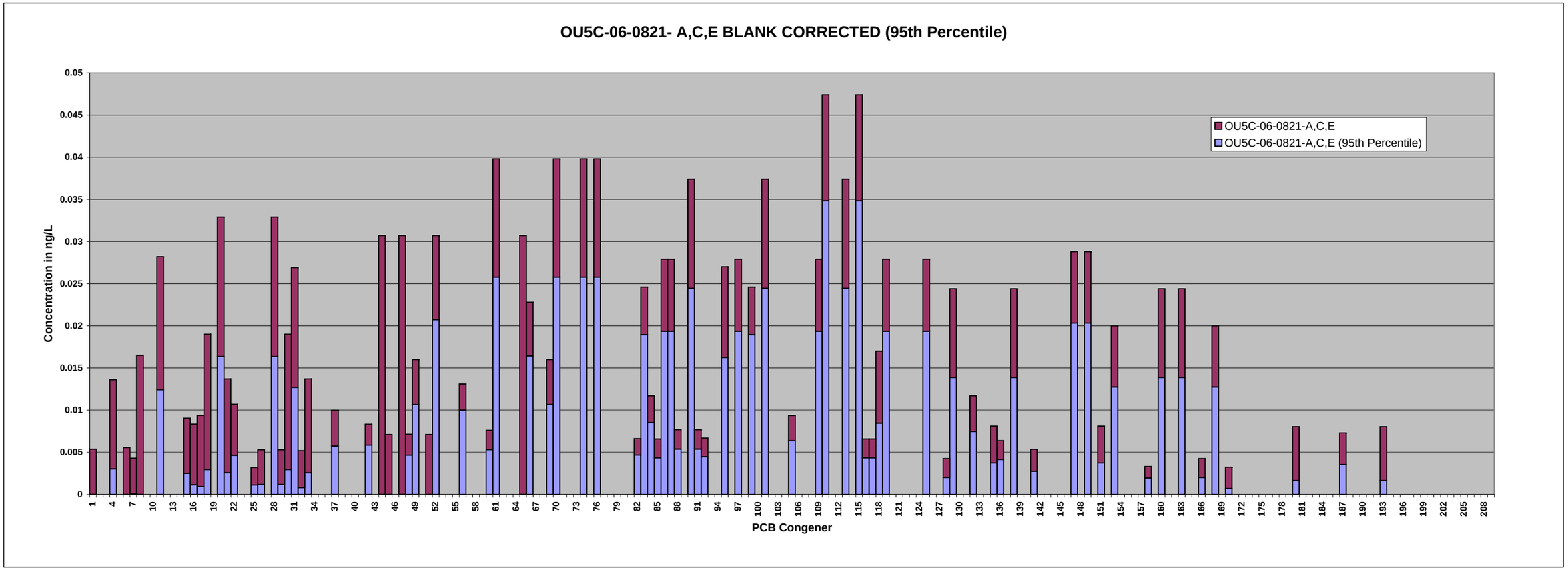

OU4-06-0817 BLANK CORRECTED (95th Percentile)
OU4-06-0817
OU4-06-0817 (95th Percentile)
Concentration in ng/L
PCB Congener

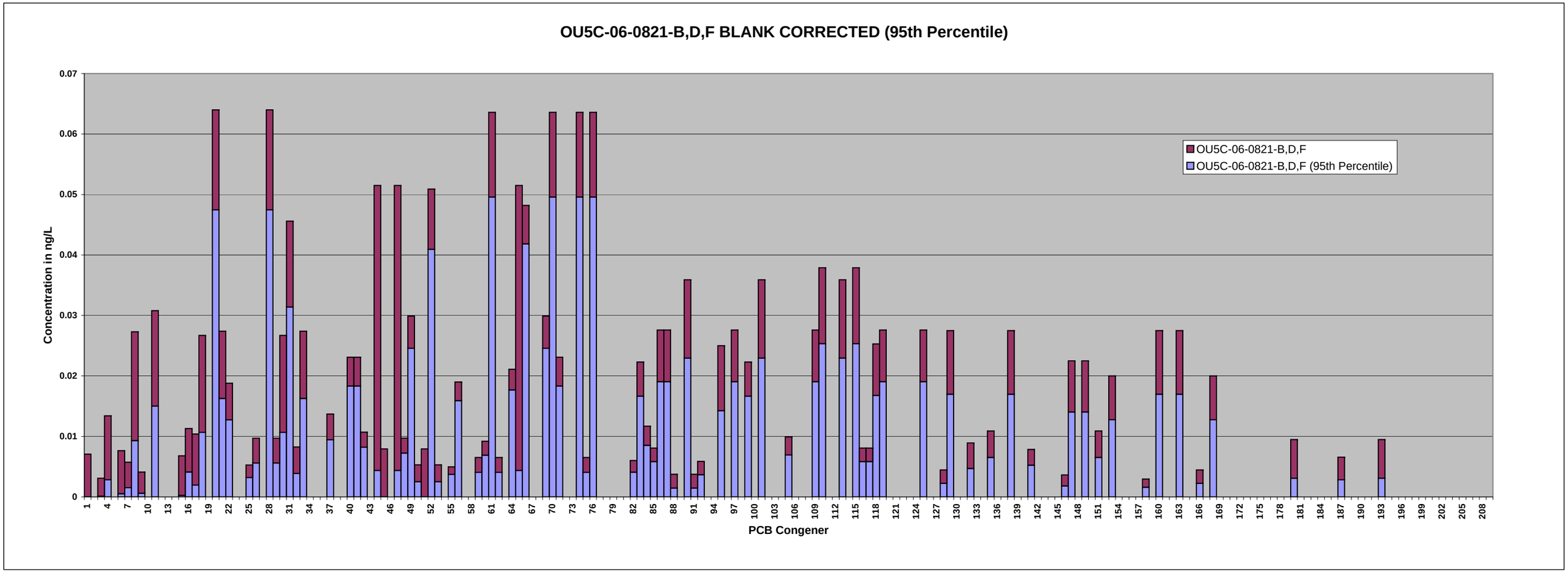

OU5A-06-0822-A,C,E BLANK CORRECTED (95th Percentile)
OU5A-06-0822-A,C,E
OU5A-06-0822-A,C,E (95th Percentile)
Concentration in ng/L
PCB Congener


OU5A-06-0822-B,D,F BLANK CORRECTED (95th Percentile)
OU5A-06-0822-B,D,F
OU5A-06-0822-B,D,F (95th Percentile)
Concentration in ng/L
0.25
0.2
0.15
0.1
0.05
0
PCB Congener

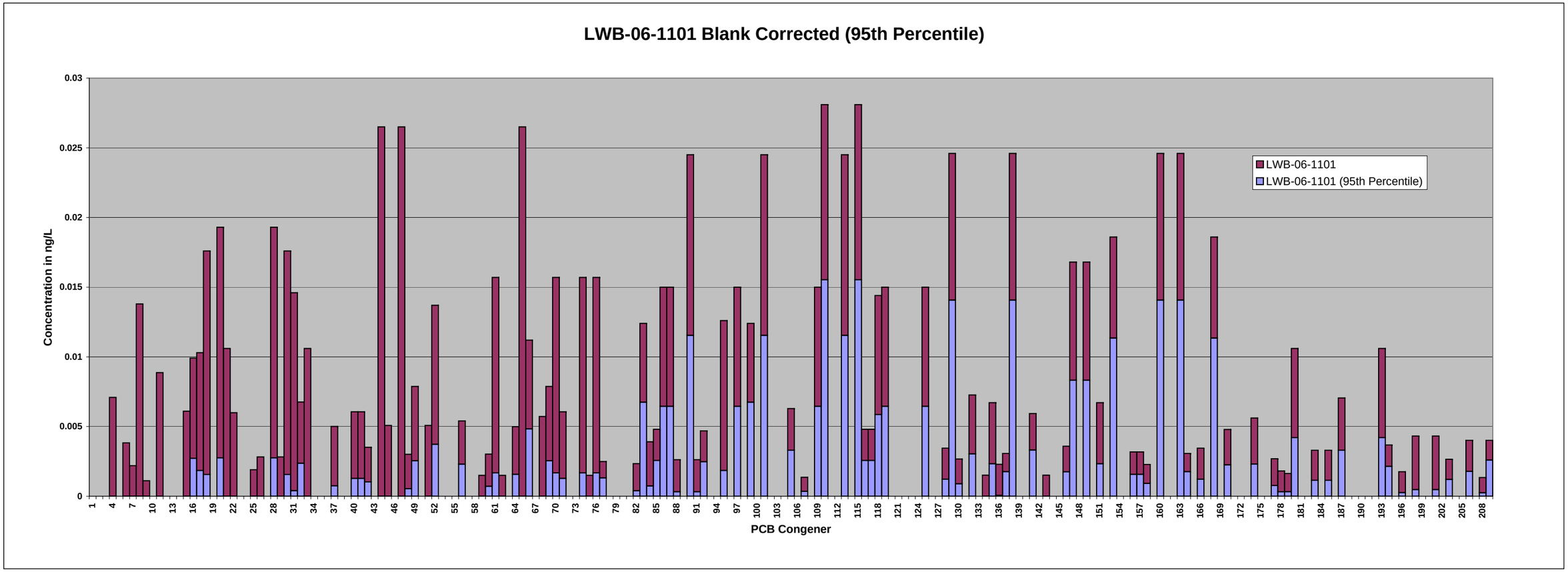

OU5B-06-0822-A,C2,E BLANK CORRECTED (95th Percentile)
Concentration in ng/L
0.06
0.05
0.04
0.03
0.02
0.01
0
OU5B-06-0822-A,C2,E
OU5B-06-0822-A,C2,E (95th Percentile)
PCB Congener

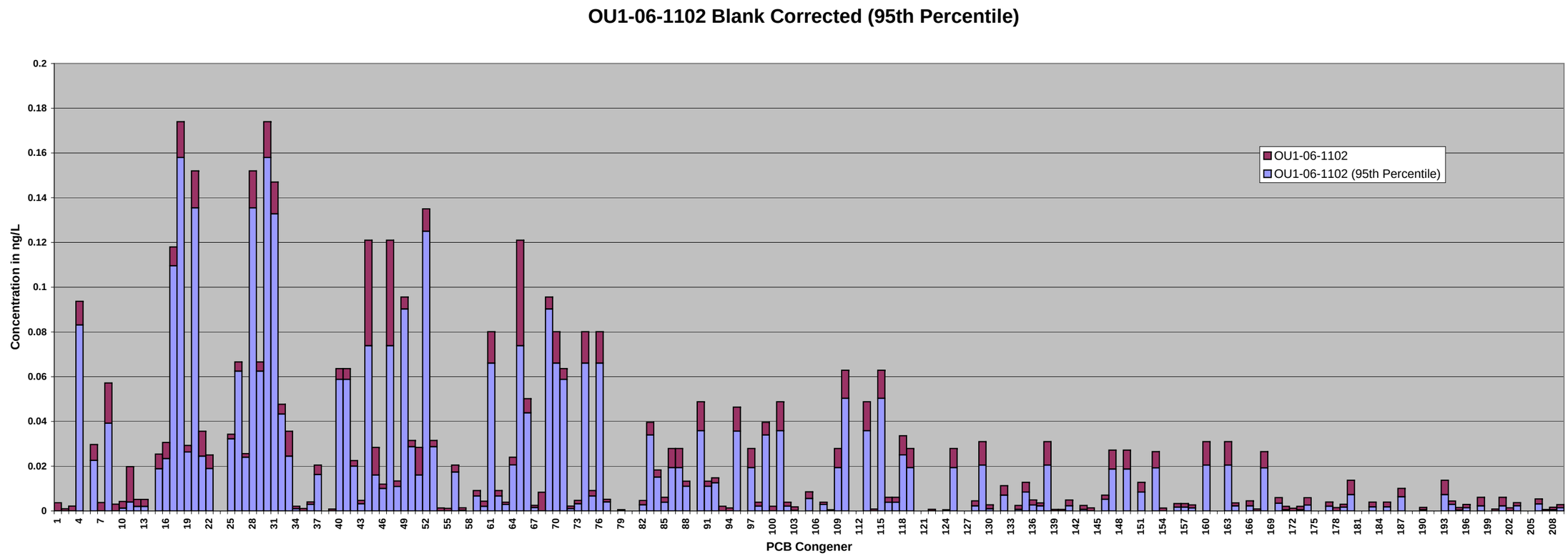

OU5B-06-0822-B,C1,F BLANK CORRECTED (95th Percentile)
OU5B-06-0822-B,C1,F
OU5B-06-0822-B,C1,F (95th Percentile)
Concentration in ng/L
PCB Congener

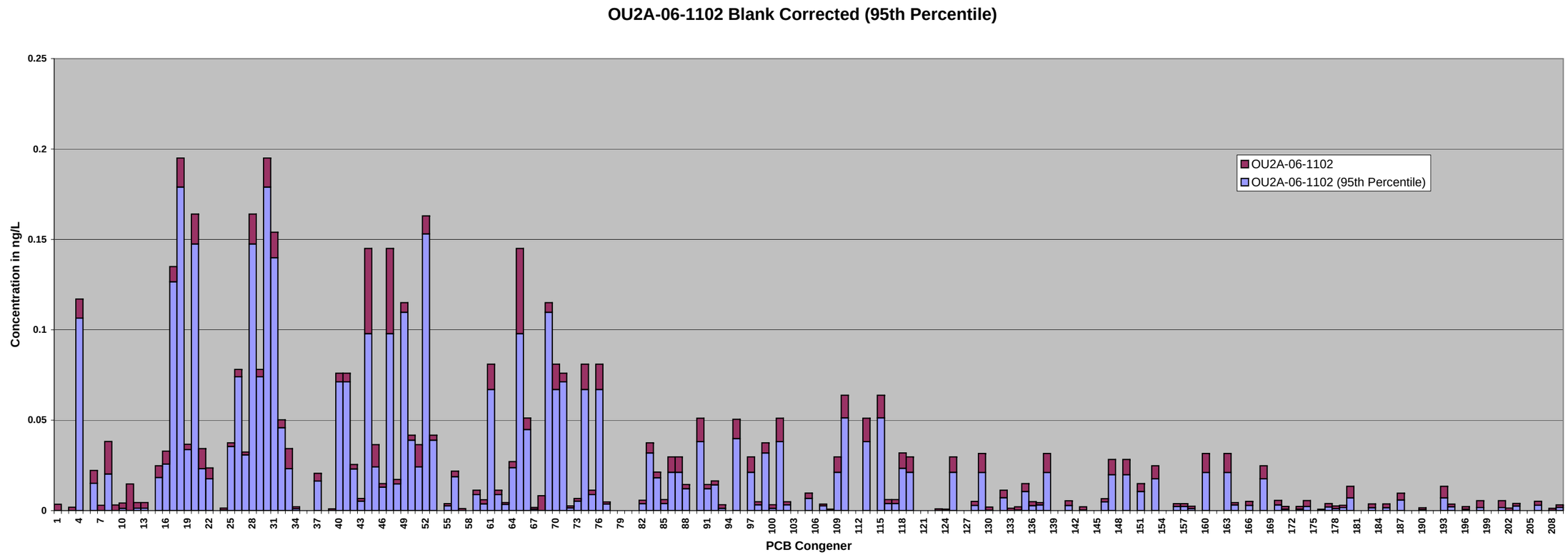

OU5C-06-0821- A,C,E BLANK CORRECTED (95th Percentile)
OU5C-06-0821-A,C,E
OU5C-06-0821-A,C,E (95th Percentile)
Concentration in ng/L
PCB Congener

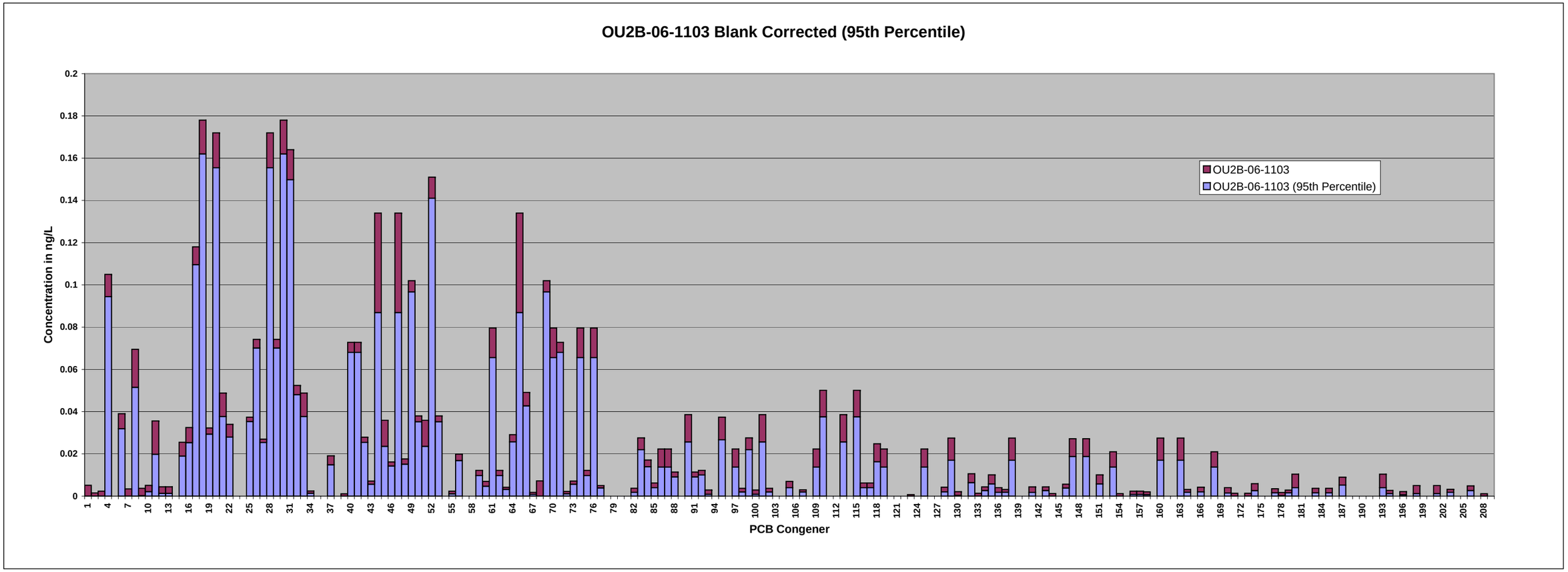

OU5C-06-0821-B,D,F BLANK CORRECTED (95th Percentile)
Concentration in ng/L
PCB Congener
OU5C-06-0821-B,D,F
OU5C-06-0821-B,D,F (95th Percentile)

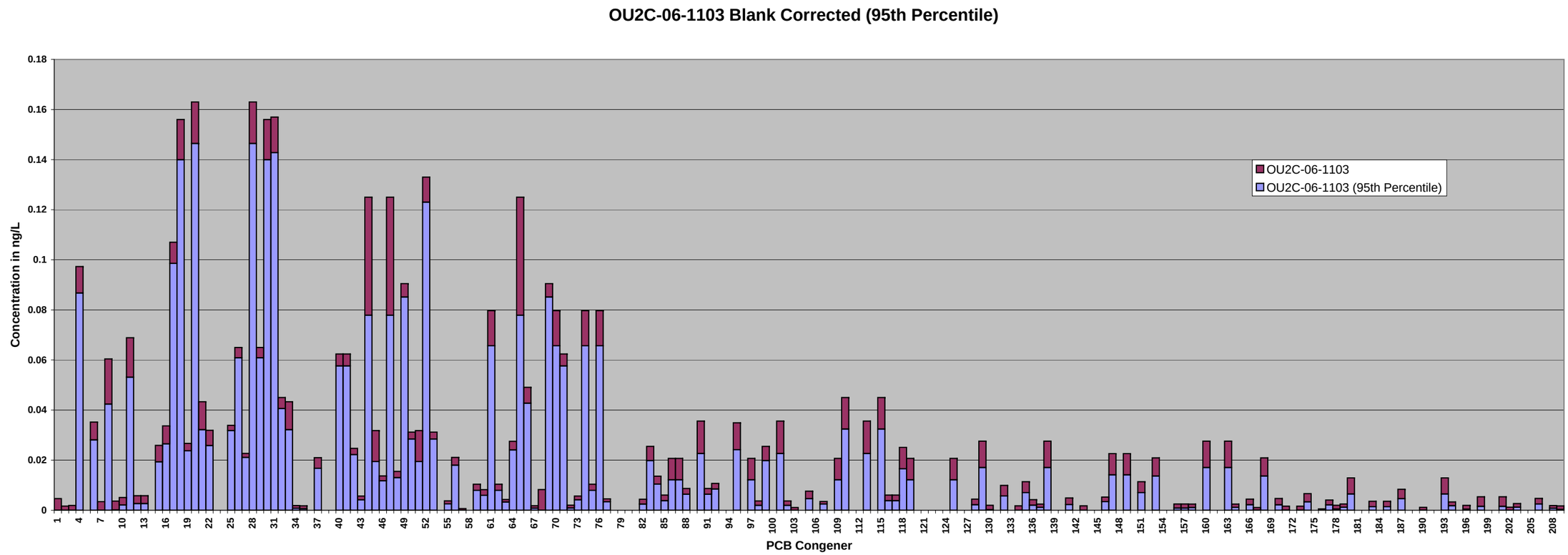
NOVEMBER 2006

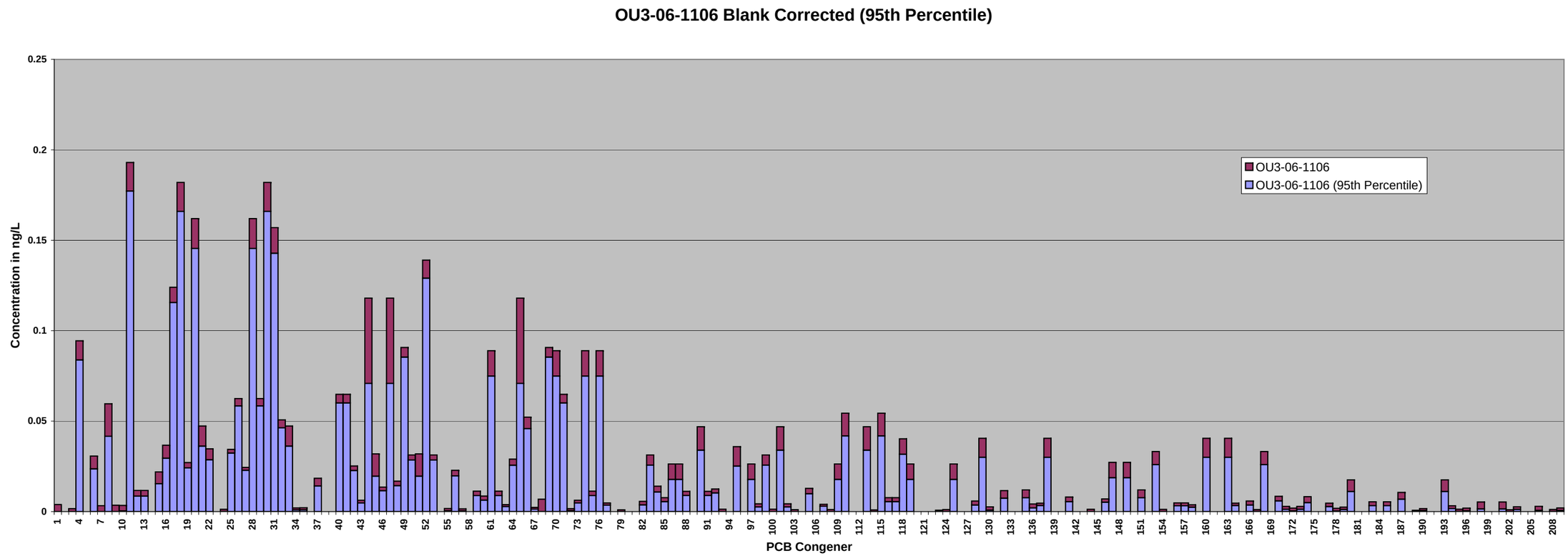

LWB-06-1101 Blank Corrected (95th Percentile)
Concentration in ng/L
PCB Congener
LWB-06-1101
LWB-06-1101 (95th Percentile)

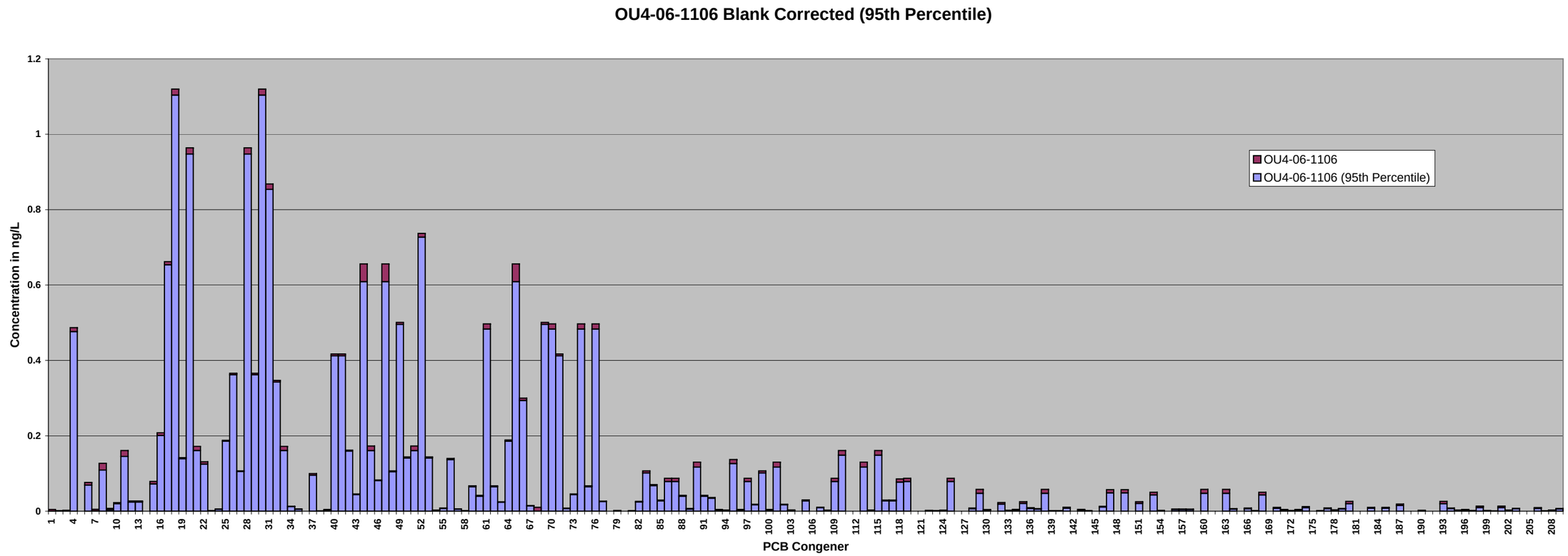

OU1-06-1102 Blank Corrected (95th Percentile)
Concentration in ng/L
PCB Congener
OU1-06-1102
OU1-06-1102 (95th Percentile)

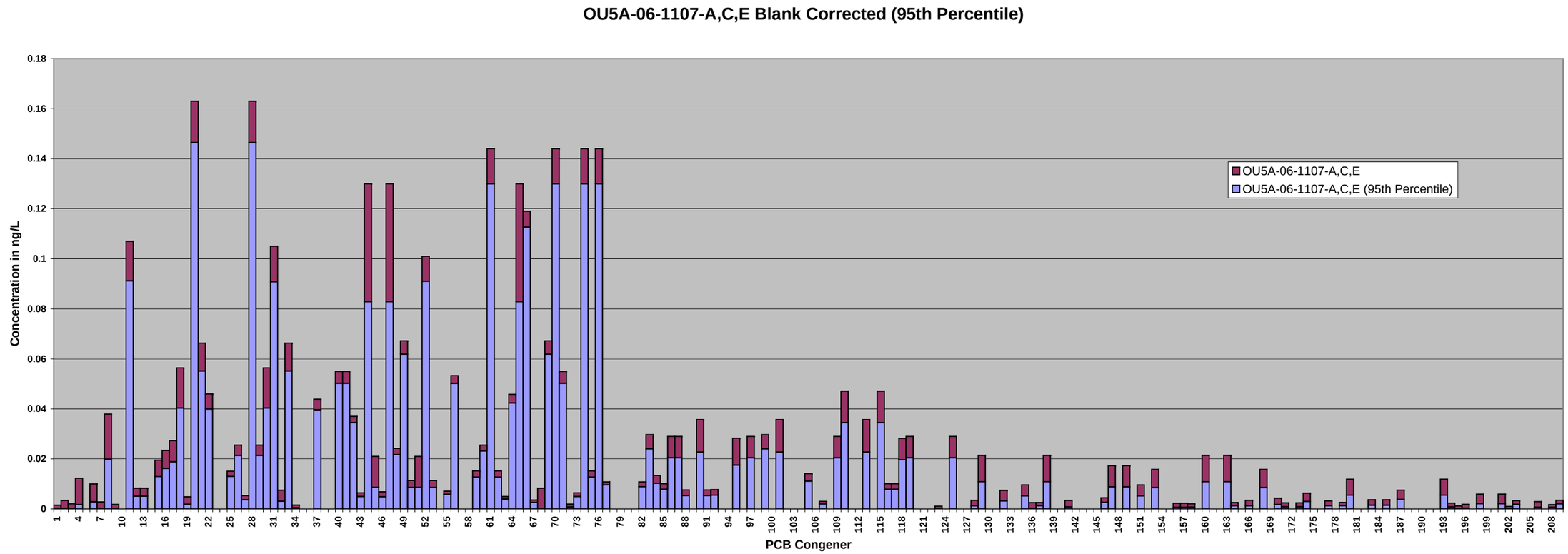

OU2A-06-1102 Blank Corrected (95th Percentile)
OU2A-06-1102
OU2A-06-1102 (95th Percentile)
Concentration in ng/L
0.25
0.2
0.15
0.1
0.05
0
PCB Congener

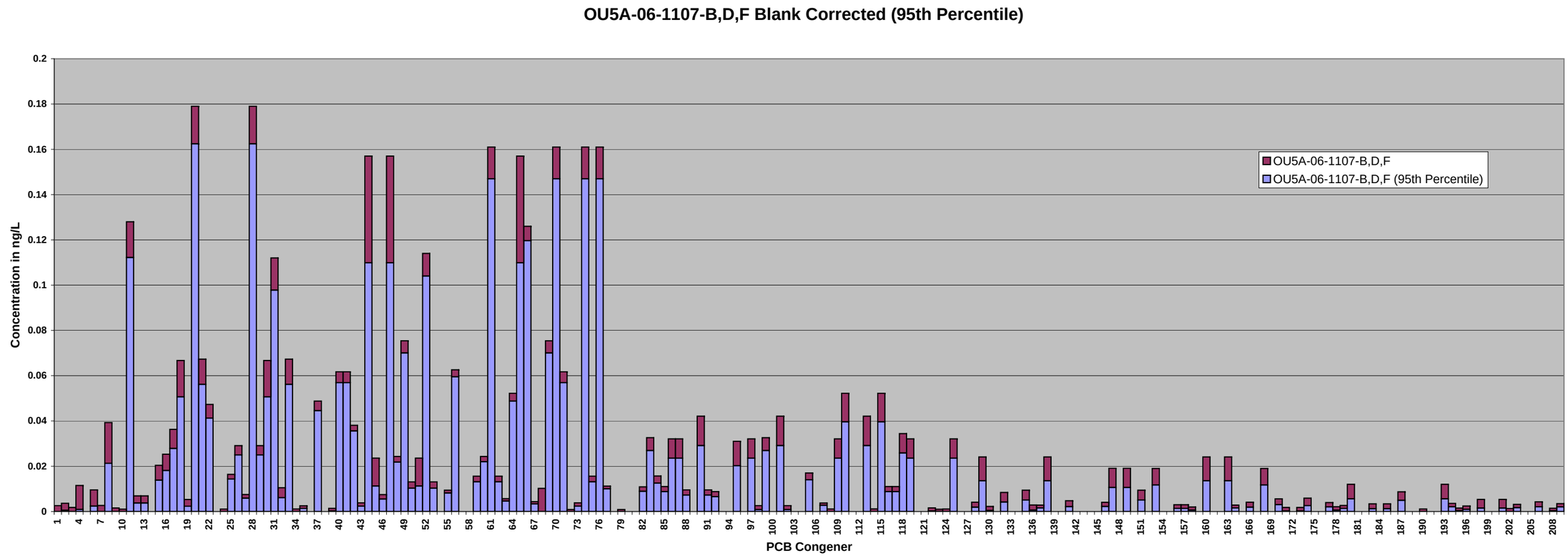

OU2B-06-1103 Blank Corrected (95th Percentile)
Concentration in ng/L
PCB Congener
OU2B-06-1103
OU2B-06-1103 (95th Percentile)

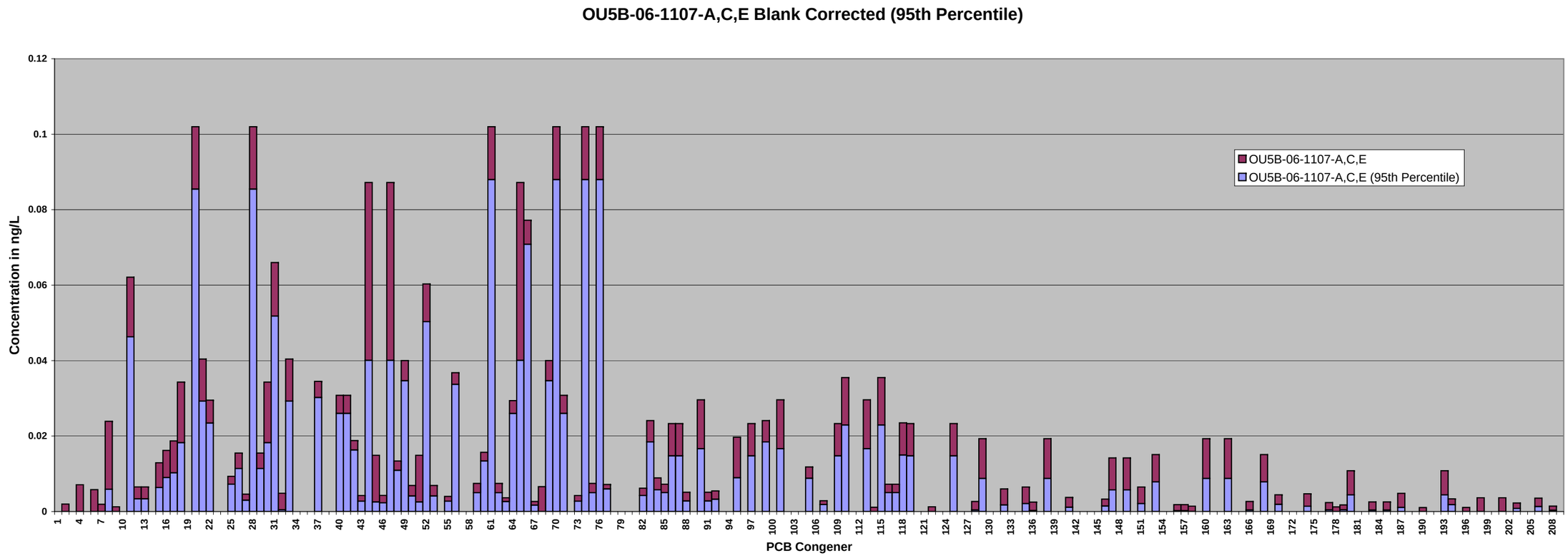

OU2C-06-1103 Blank Corrected (95th Percentile)
Concentration in ng/L
PCB Congener
OU2C-06-1103
OU2C-06-1103 (95th Percentile)

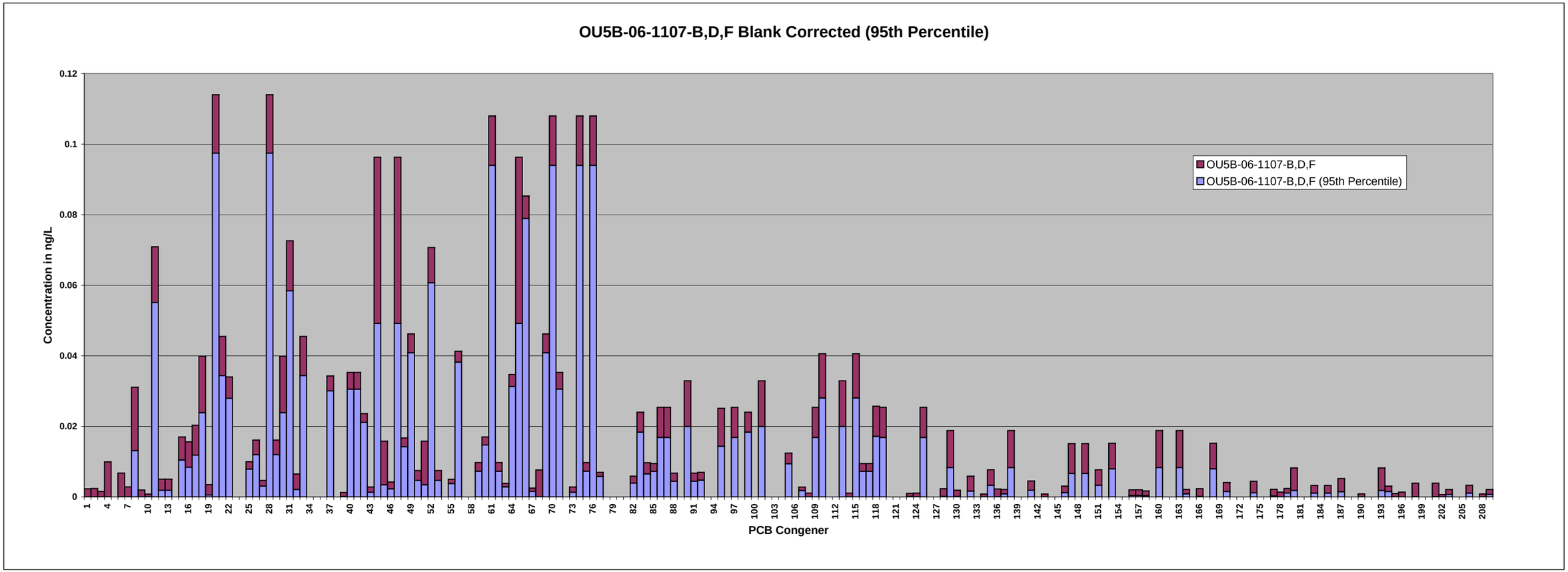

OU3-06-1106 Blank Corrected (95th Percentile)
OU3-06-1106
OU3-06-1106 (95th Percentile)
Concentration in ng/L
0.25
0.2
0.15
0.1
0.05
0
PCB Congener

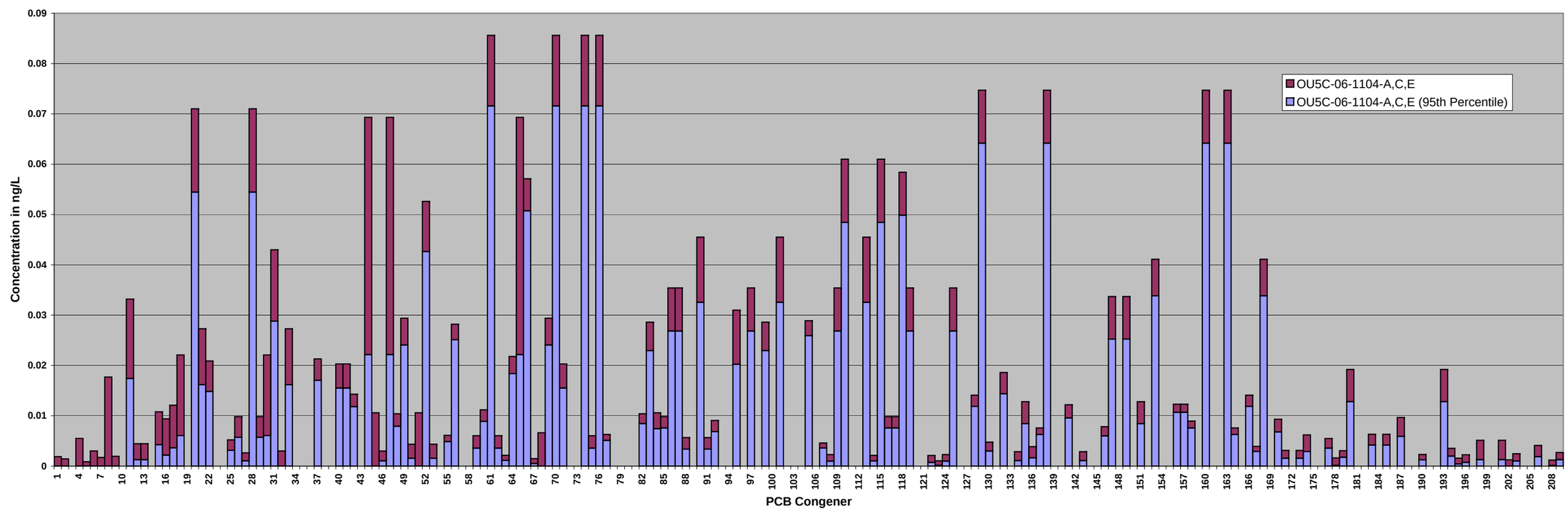

OU4-06-1106 Blank Corrected (95th Percentile)
Concentration in ng/L
PCB Congener
OU4-06-1106
OU4-06-1106 (95th Percentile)

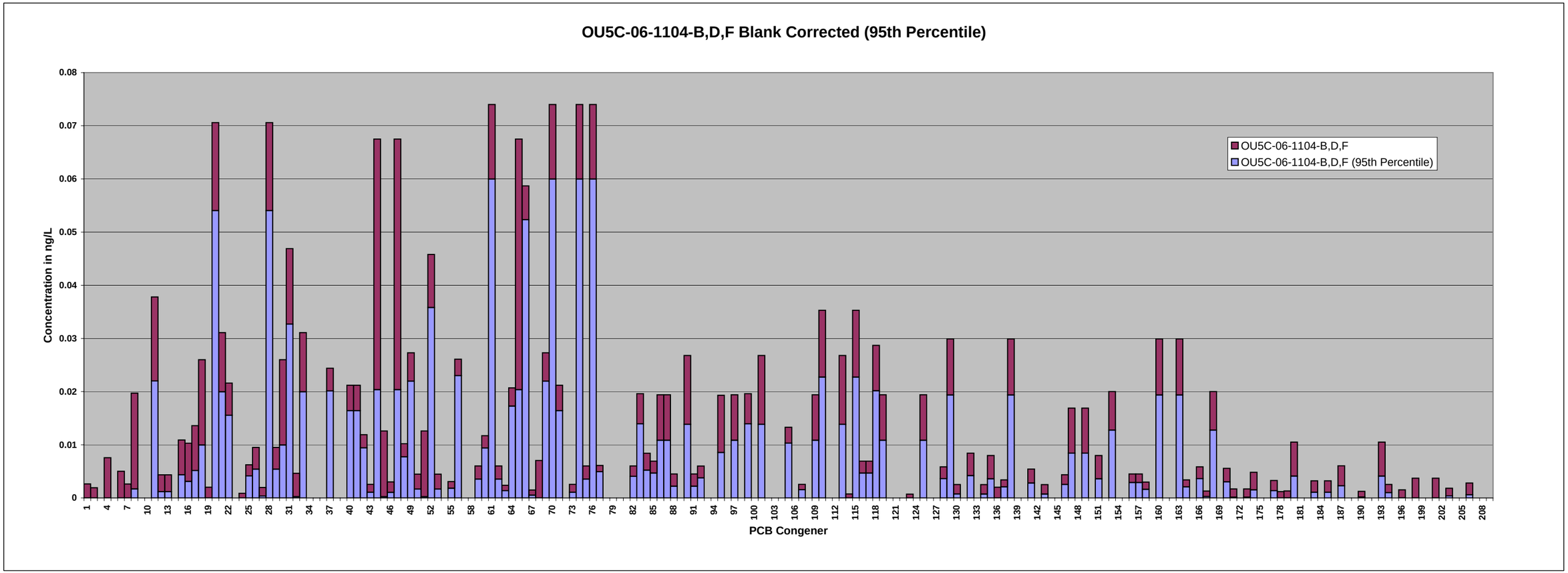

OU5A-06-1107-A,C,E Blank Corrected (95th Percentile)
Concentration in ng/L
PCB Congener
OU5A-06-1107-A,C,E
OU5A-06-1107-A,C,E (95th Percentile)


OU5A-06-1107-B,D,F Blank Corrected (95th Percentile)
Concentration in ng/L
PCB Congener
OU5A-06-1107-B,D,F
OU5A-06-1107-B,D,F (95th Percentile)

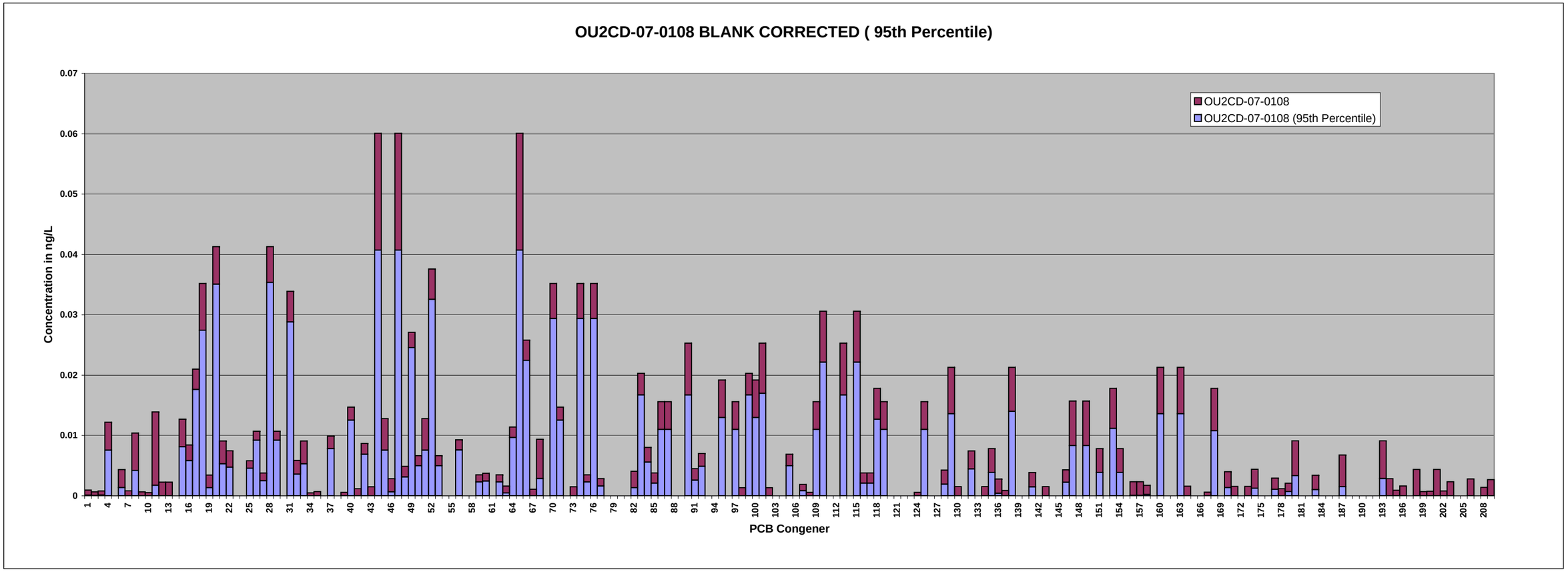

OU5B-06-1107-A,C,E Blank Corrected (95th Percentile)
Concentration in ng/L
PCB Congener
OU5B-06-1107-A,C,E
OU5B-06-1107-A,C,E (95th Percentile)

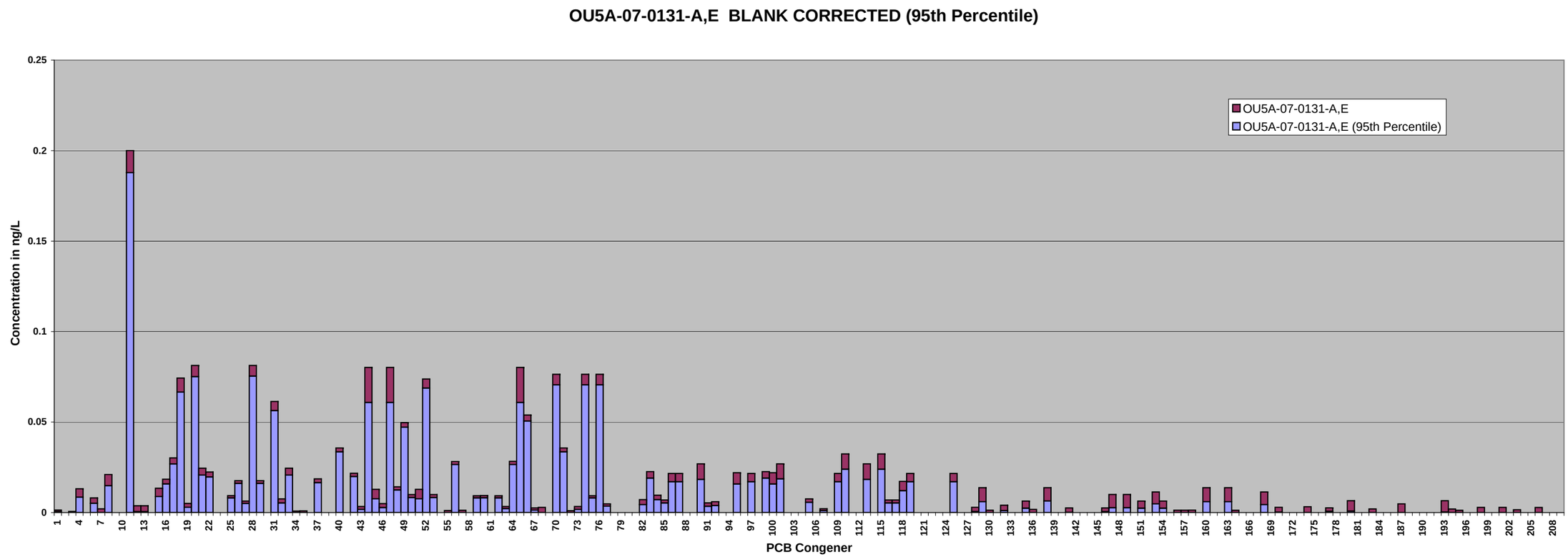

OU5B-06-1107-B,D,F Blank Corrected (95th Percentile)
Concentration in ng/L
0.12
0.1
0.08
0.06
0.04
0.02
0
OU5B-06-1107-B,D,F
OU5B-06-1107-B,D,F (95th Percentile)
PCB Congener

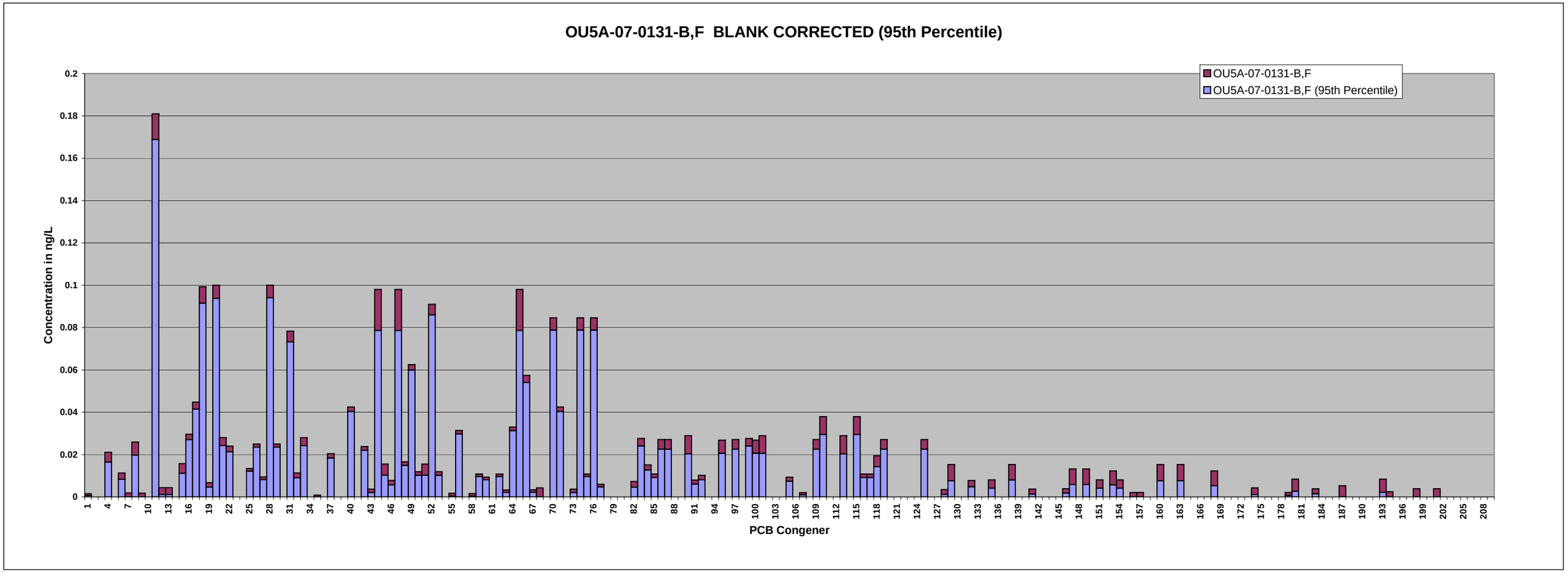

OU5C-06-1104-A,C,E Blank Corrected (95th Percentile)
Concentration in ng/L
PCB Congener
OU5C-06-1104-A,C,E
OU5C-06-1104-A,C,E (95th Percentile)


OU5C-06-1104-B,D,F Blank Corrected (95th Percentile)
Concentration in ng/L
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
OU5C-06-1104-B,D,F
OU5C-06-1104-B,D,F (95th Percentile)
PCB Congener

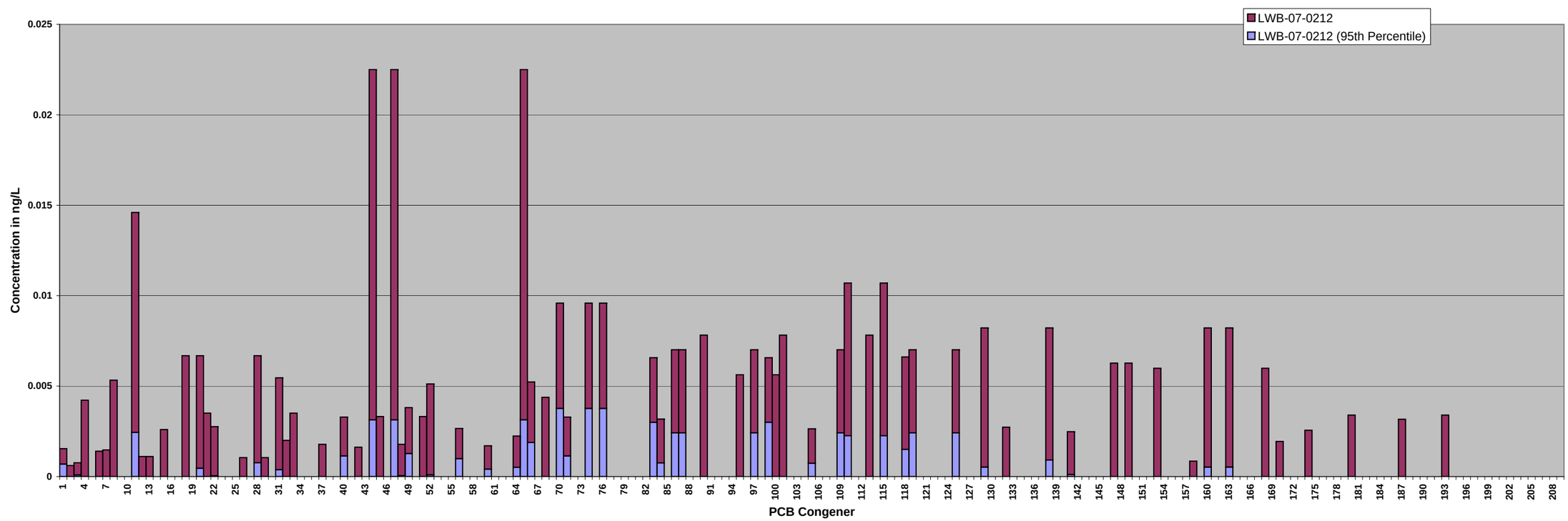
JANUARY 2007

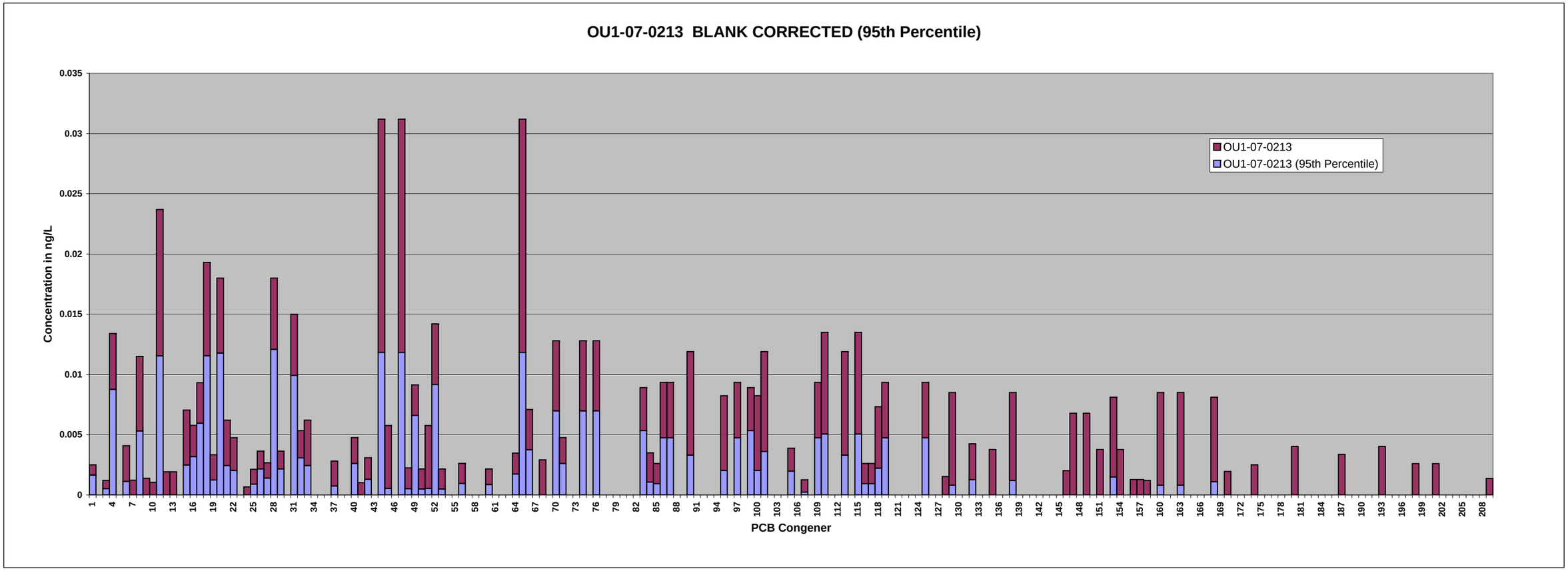

OU2CD-07-0108 BLANK CORRECTED (95th Percentile)
OU2CD-07-0108
OU2CD-07-0108 (95th Percentile)
Concentration in ng/L
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
PCB Congener

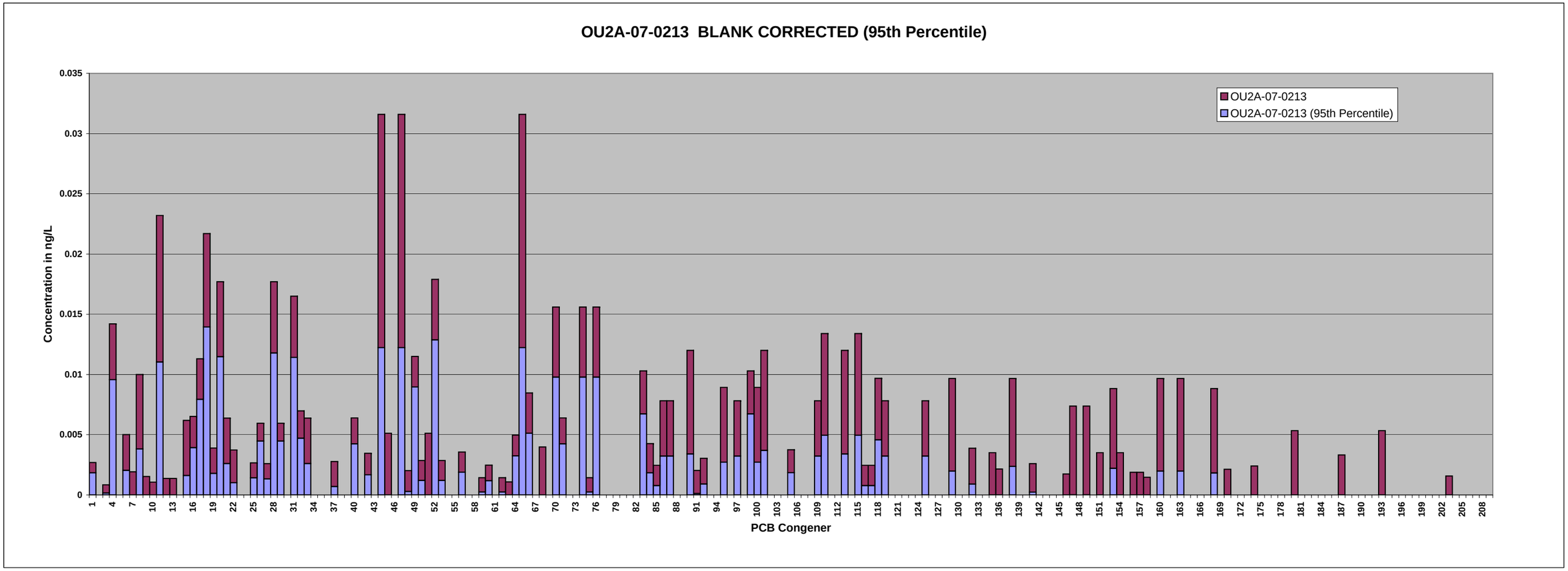

OU5A-07-0131-A,E BLANK CORRECTED (95th Percentile)
OU5A-07-0131-A,E
OU5A-07-0131-A,E (95th Percentile)
Concentration in ng/L
0.25
0.2
0.15
0.1
0.05
0
PCB Congener

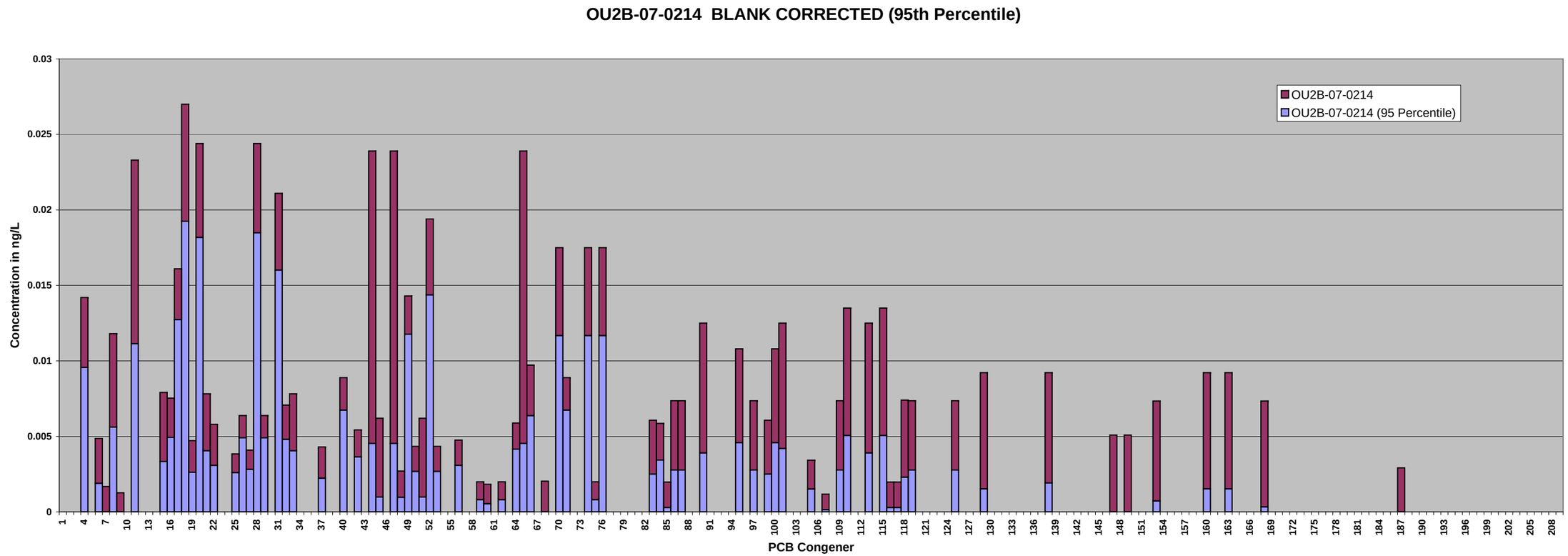

OU5A-07-0131-B,F BLANK CORRECTED (95th Percentile)
OU5A-07-0131-B,F
OU5A-07-0131-B,F (95th Percentile)
Concentration in ng/L
PCB Congener

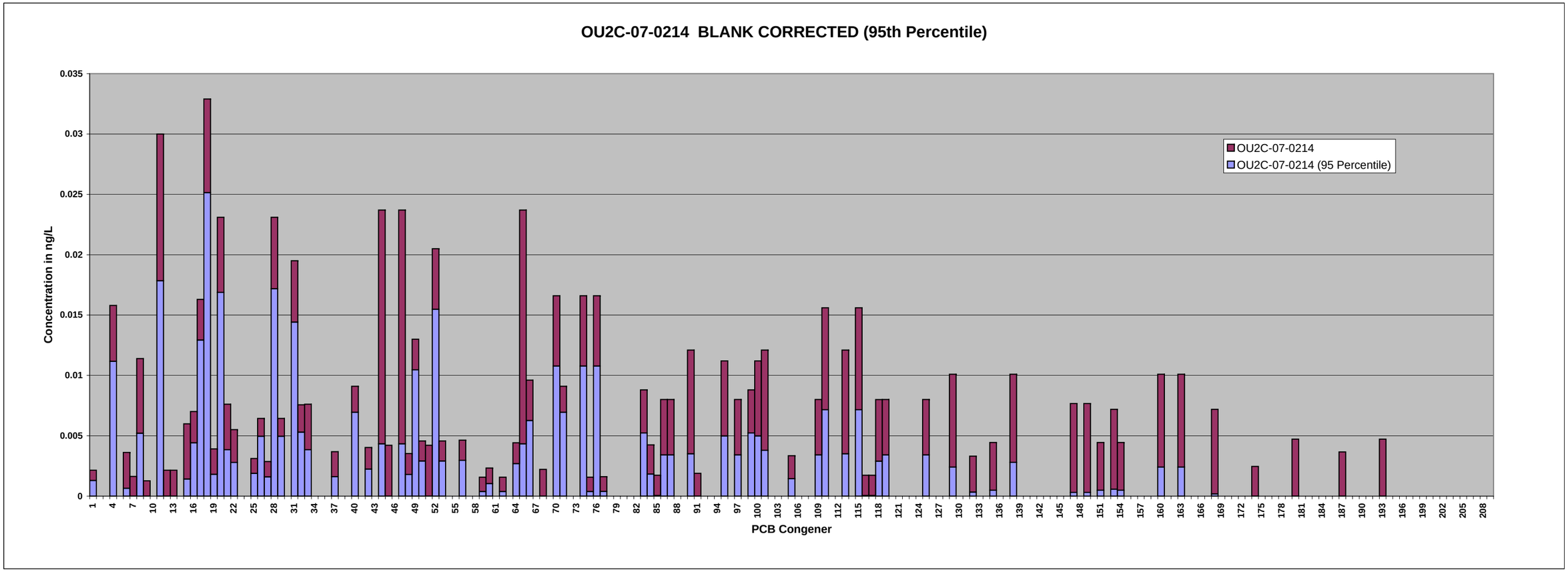
FEBRUARY 2007

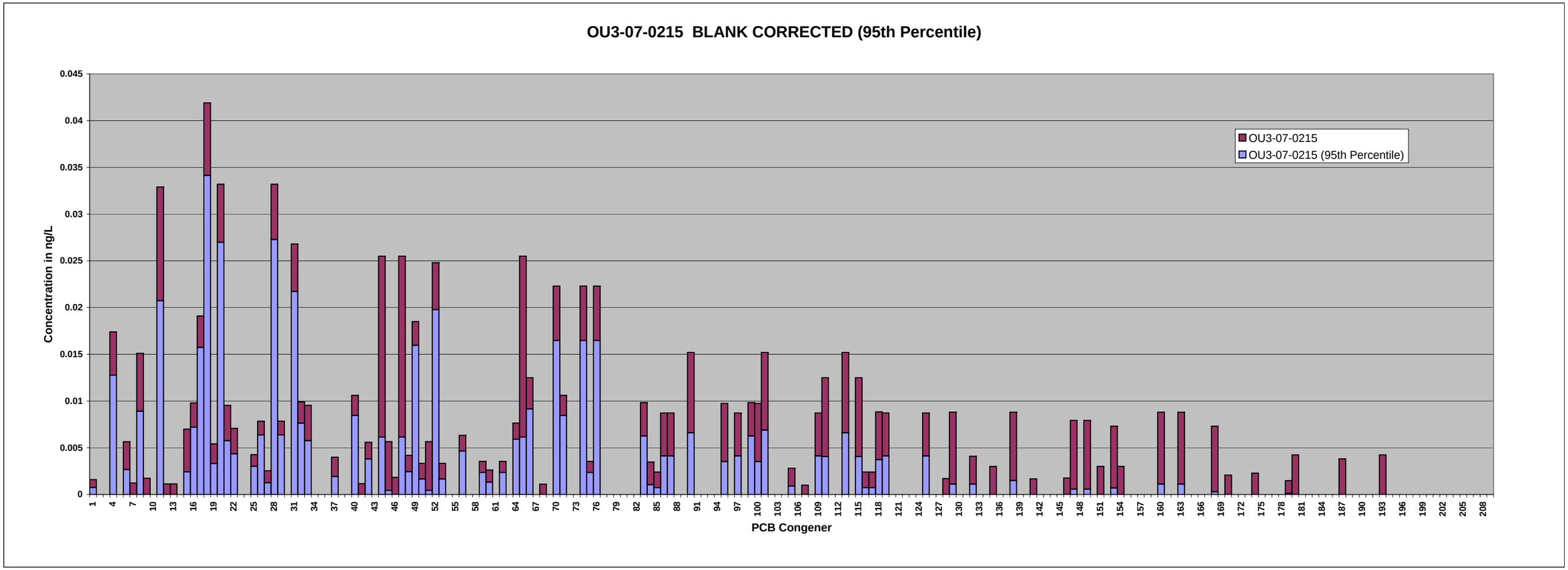

LWB-07-0212 BLANK CORRECTED (95th Percentile)
LWB-07-0212
LWB-07-0212 (95th Percentile)
Concentration in ng/L
0.025
0.02
0.015
0.01
0.005
0
PCB Congener

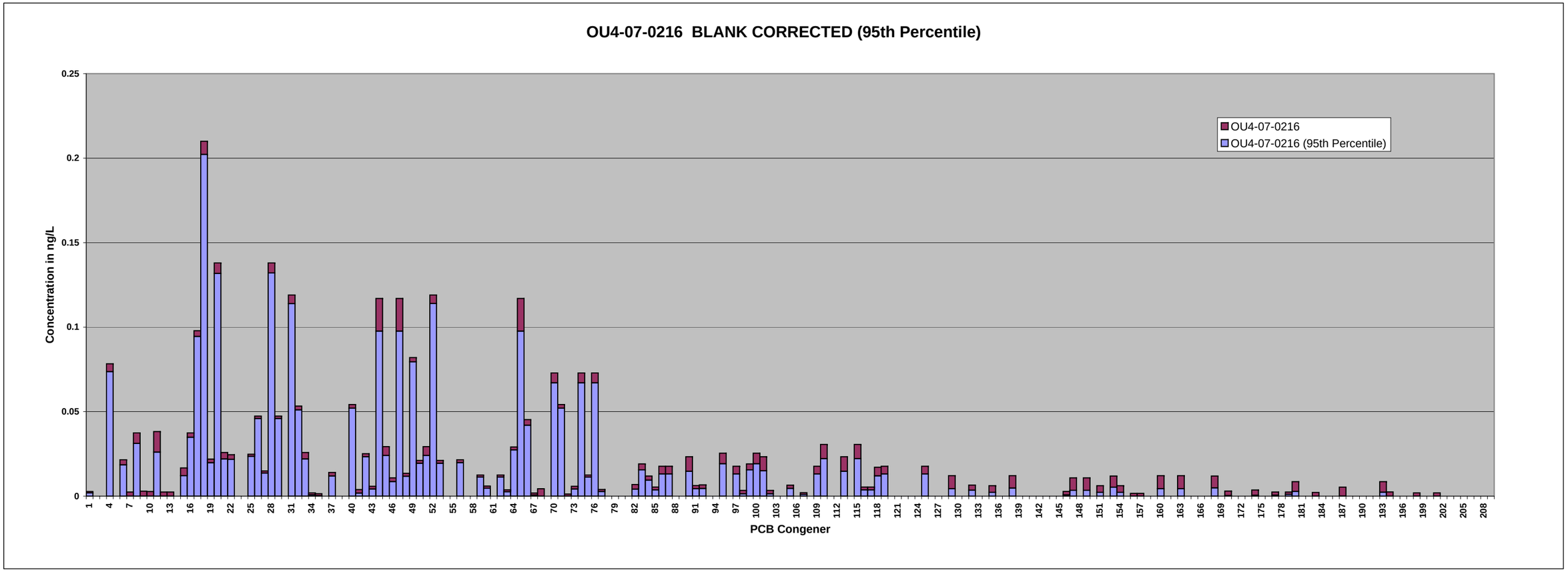

OU1-07-0213 BLANK CORRECTED (95th Percentile)
OU1-07-0213
OU1-07-0213 (95th Percentile)
Concentration in ng/L
PCB Congener

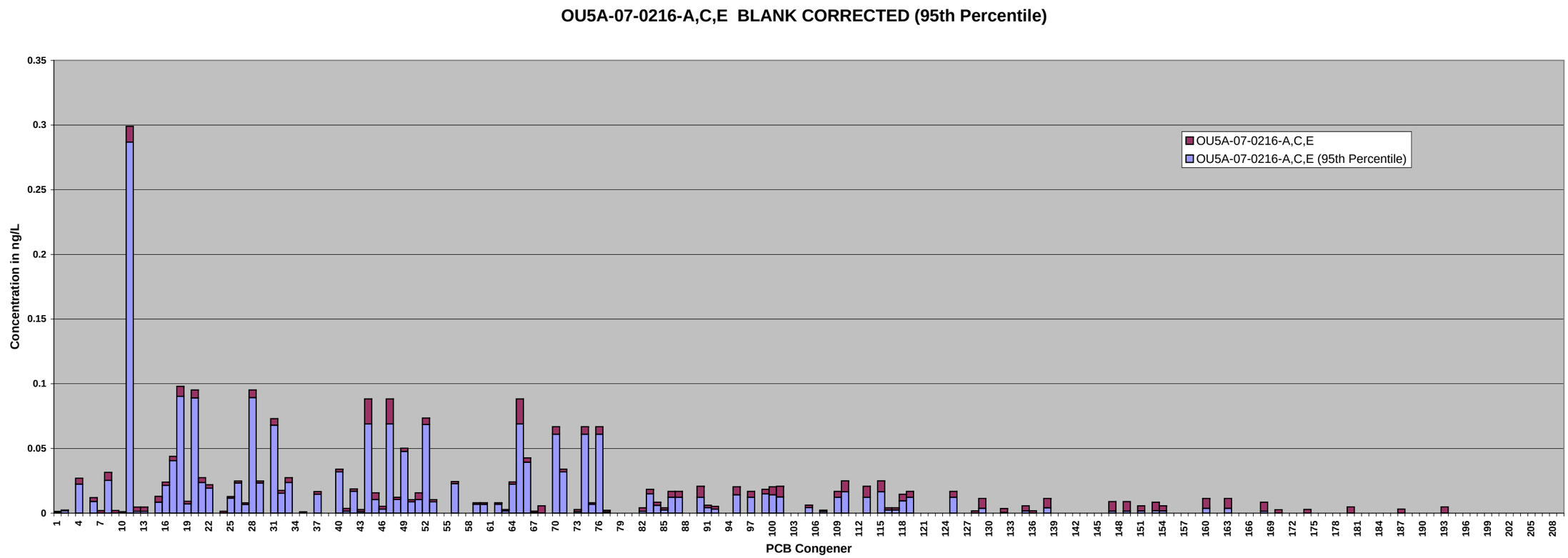

OU2A-07-0213 BLANK CORRECTED (95th Percentile)
OU2A-07-0213
OU2A-07-0213 (95th Percentile)
Concentration in ng/L
PCB Congener

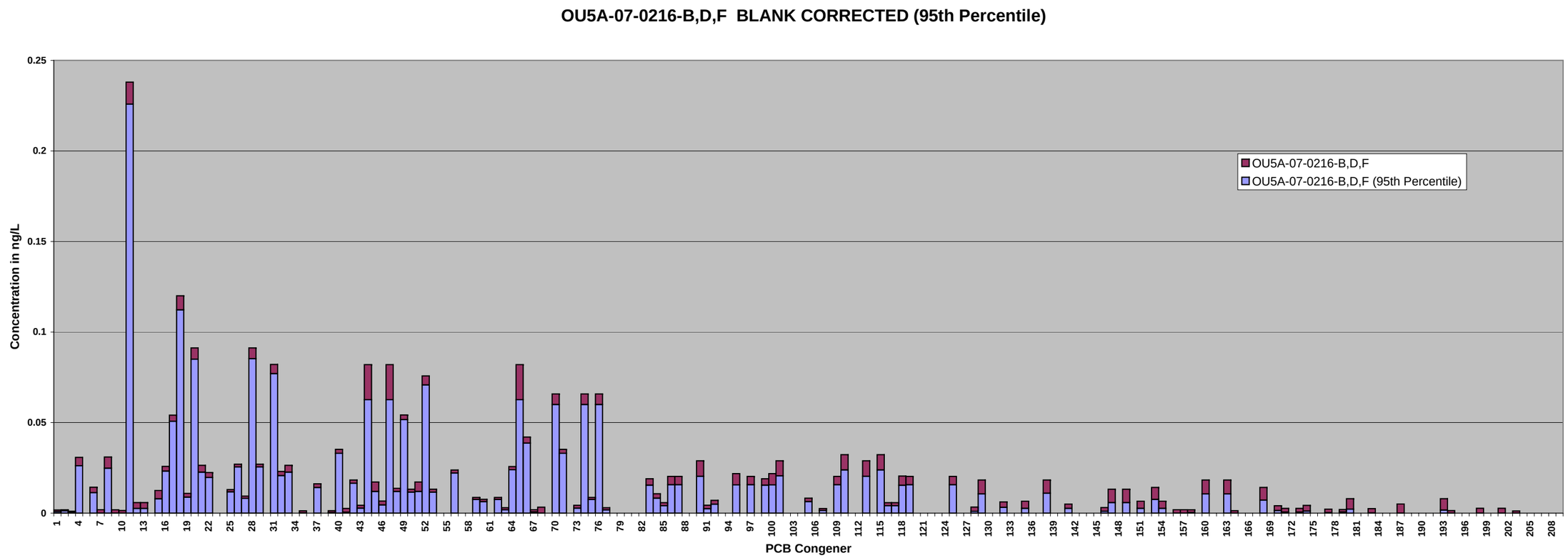

OU2B-07-0214 BLANK CORRECTED (95th Percentile)
OU2B-07-0214
OU2B-07-0214 (95 Percentile)
Concentration in ng/L
PCB Congener

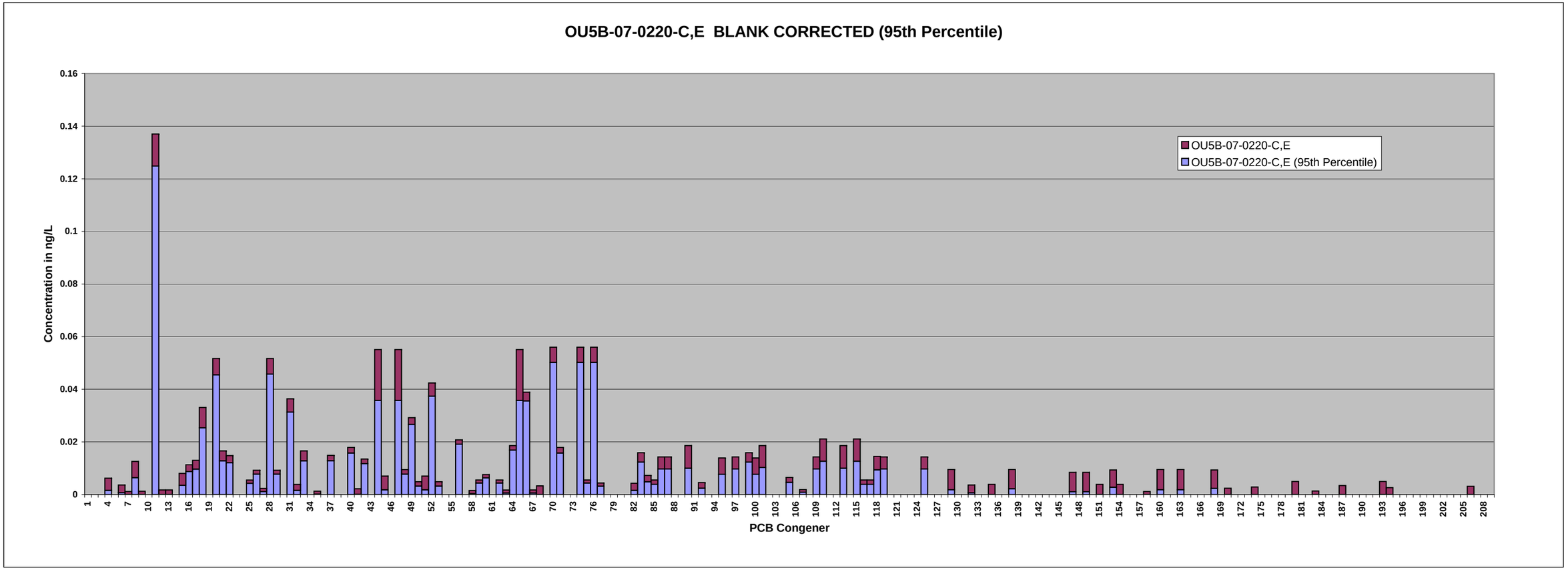

OU2C-07-0214 BLANK CORRECTED (95th Percentile)
Concentration in ng/L
PCB Congener
OU2C-07-0214
OU2C-07-0214 (95 Percentile)

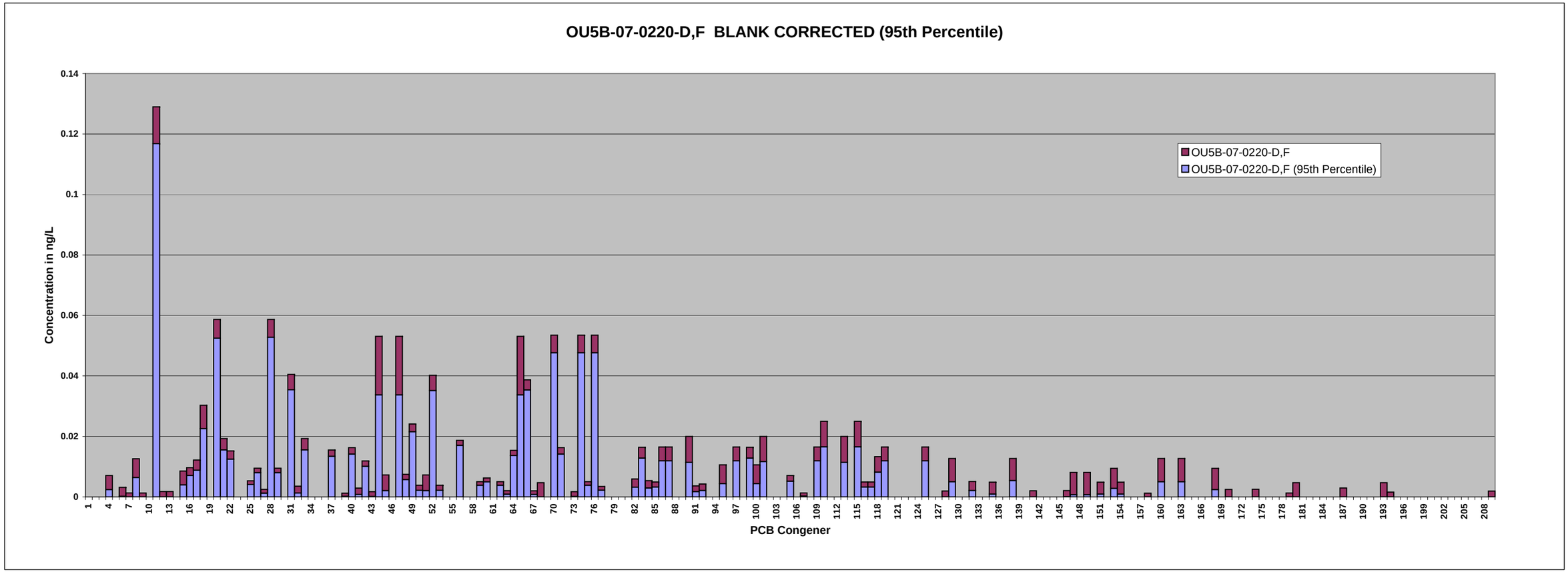

OU3-07-0215 BLANK CORRECTED (95th Percentile)
OU3-07-0215
OU3-07-0215 (95th Percentile)
Concentration in ng/L
PCB Congener

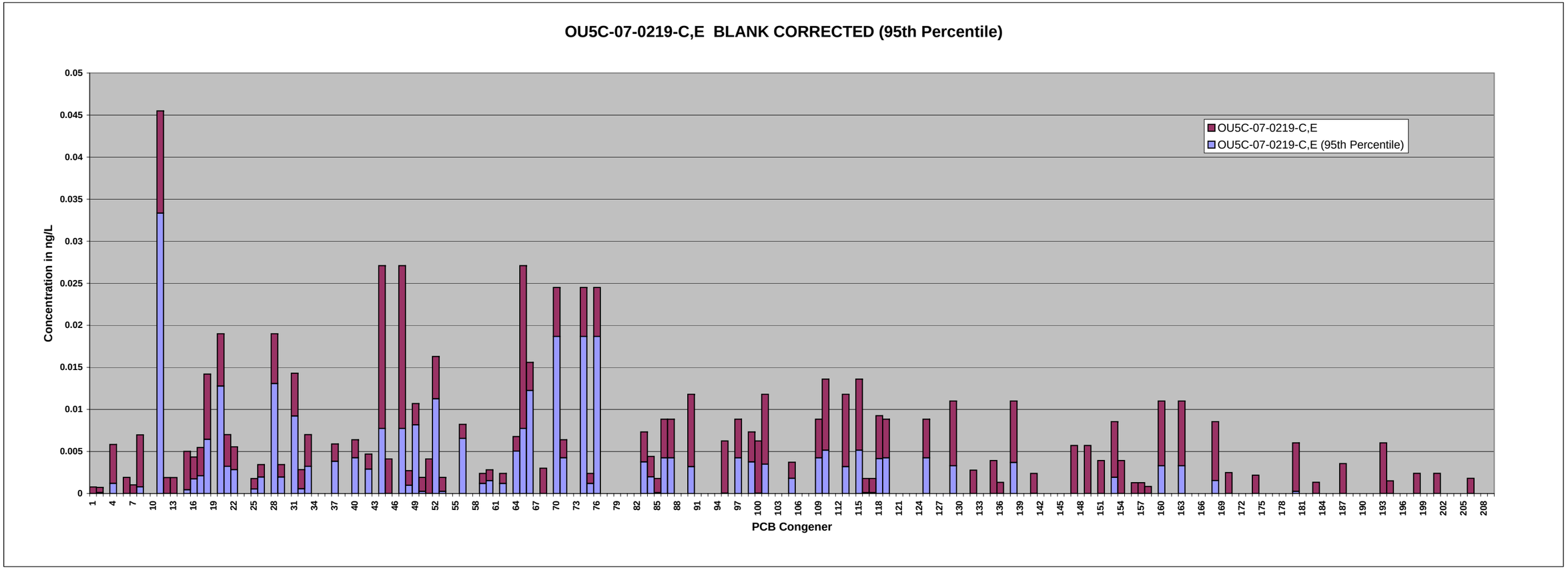

OU4-07-0216 BLANK CORRECTED (95th Percentile)
OU4-07-0216
OU4-07-0216 (95th Percentile)
Concentration in ng/L
0.25
0.2
0.15
0.1
0.05
0
PCB Congener

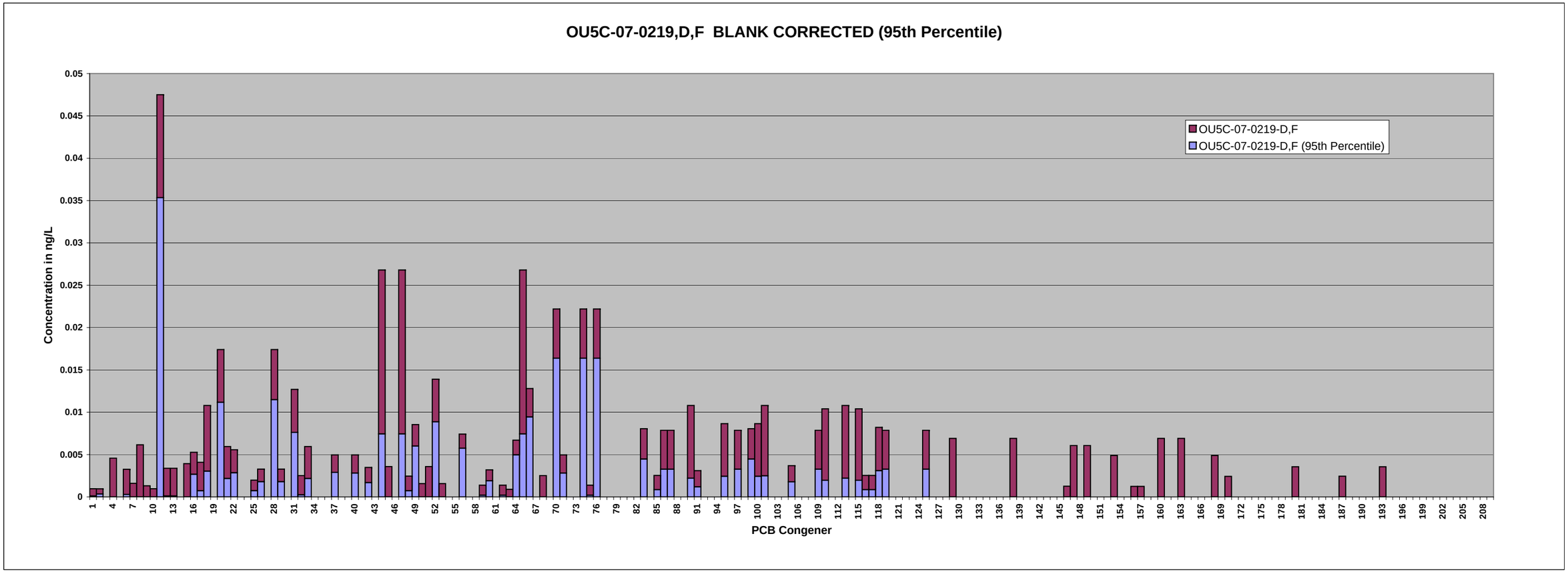

OU5A-07-0216-A,C,E BLANK CORRECTED (95th Percentile)
OU5A-07-0216-A,C,E
OU5A-07-0216-A,C,E (95th Percentile)
Concentration in ng/L
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
PCB Congener


OU5A-07-0216-B,D,F BLANK CORRECTED (95th Percentile)
Concentration in ng/L
0.25
0.2
0.15
0.1
0.05
0
OU5A-07-0216-B,D,F
OU5A-07-0216-B,D,F (95th Percentile)
PCB Congener

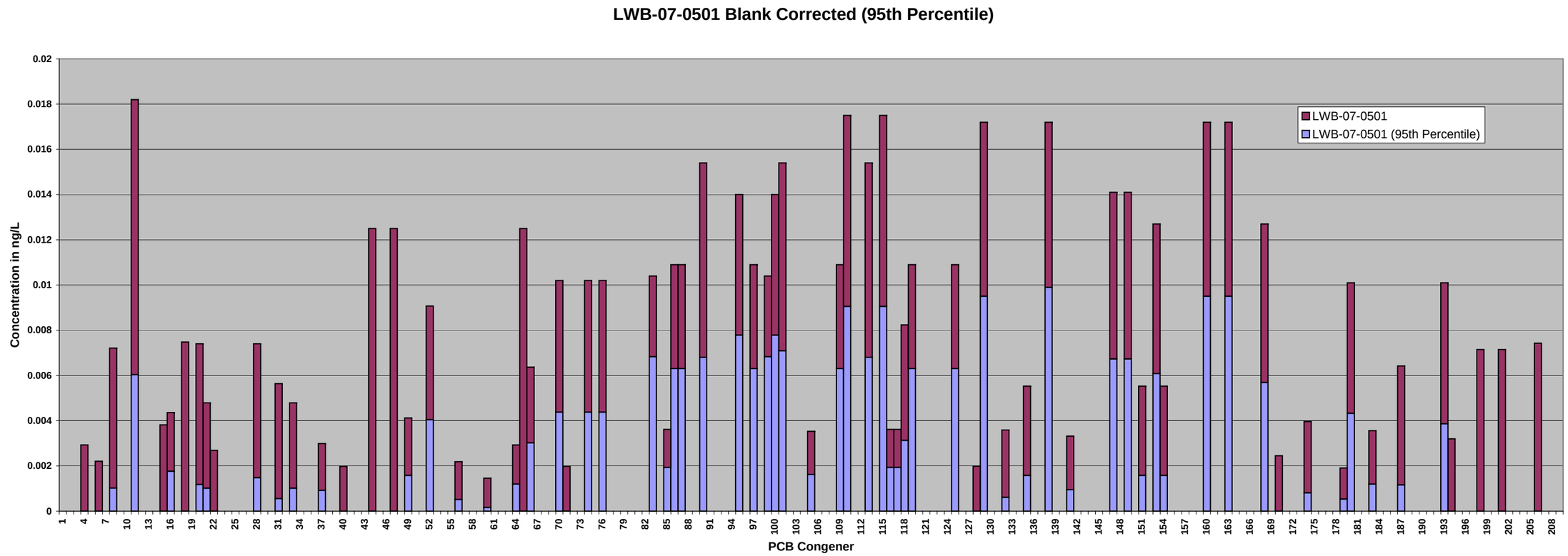

OU5B-07-0220-C,E BLANK CORRECTED (95th Percentile)
OU5B-07-0220-C,E
OU5B-07-0220-C,E (95th Percentile)
Concentration in ng/L
PCB Congener

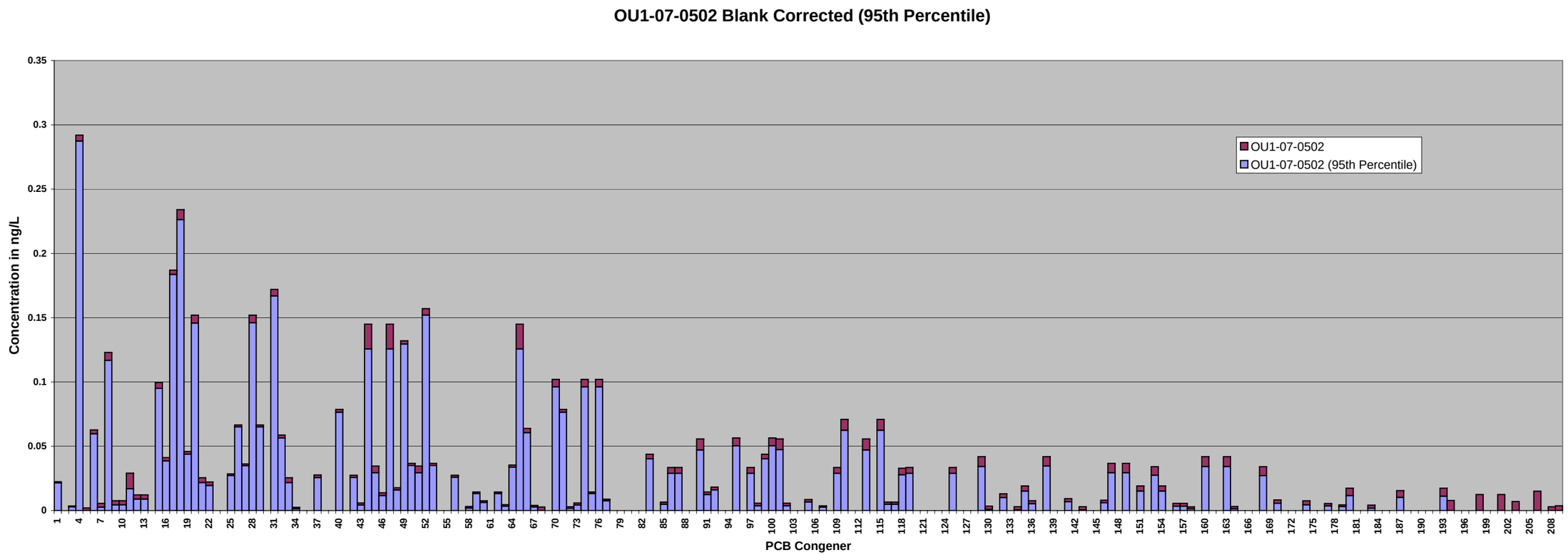

OU5B-07-0220-D,F BLANK CORRECTED (95th Percentile)
Concentration in ng/L
PCB Congener
OU5B-07-0220-D,F
OU5B-07-0220-D,F (95th Percentile)

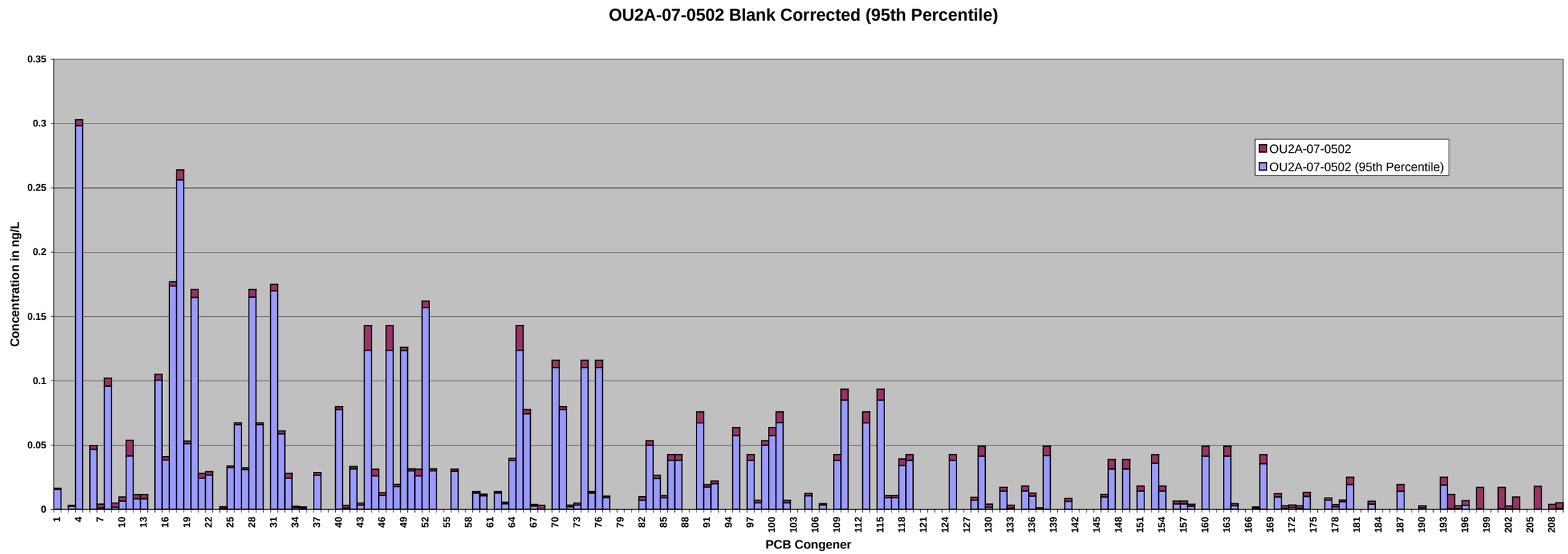

OU5C-07-0219-C,E BLANK CORRECTED (95th Percentile)
OU5C-07-0219-C,E
OU5C-07-0219-C,E (95th Percentile)
Concentration in ng/L
PCB Congener

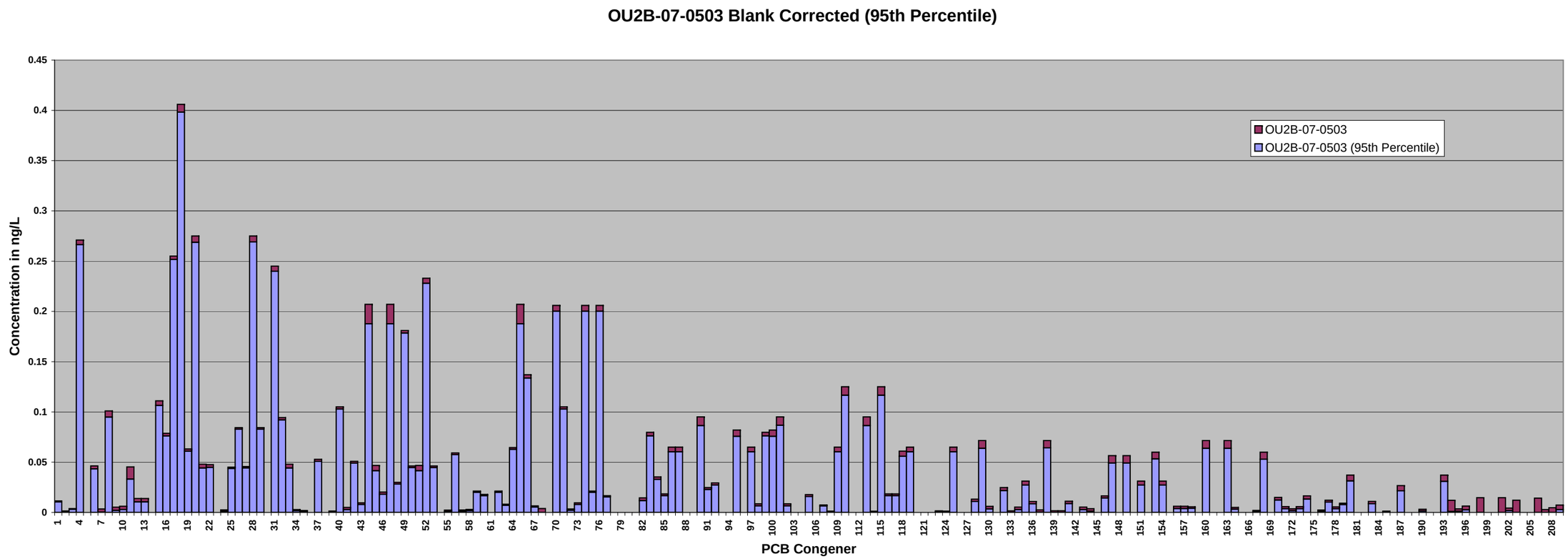

OU5C-07-0219,D,F BLANK CORRECTED (95th Percentile)
OU5C-07-0219-D,F
OU5C-07-0219-D,F (95th Percentile)
Concentration in ng/L
PCB Congener

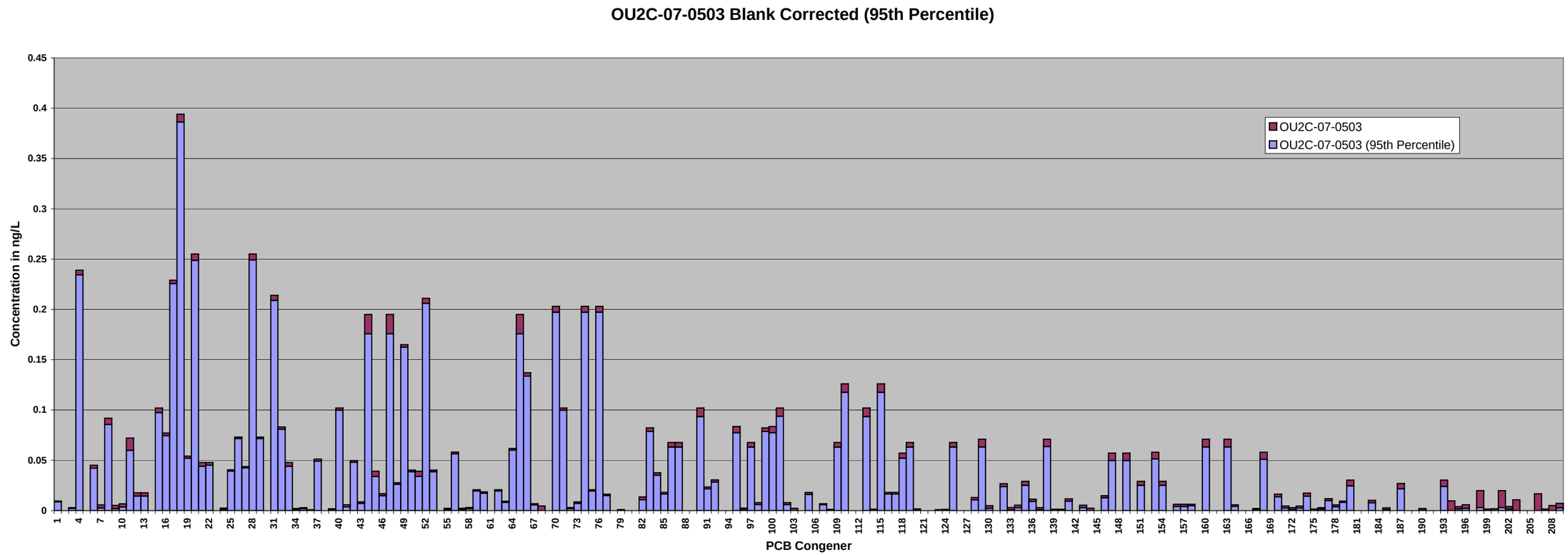
MAY 2007

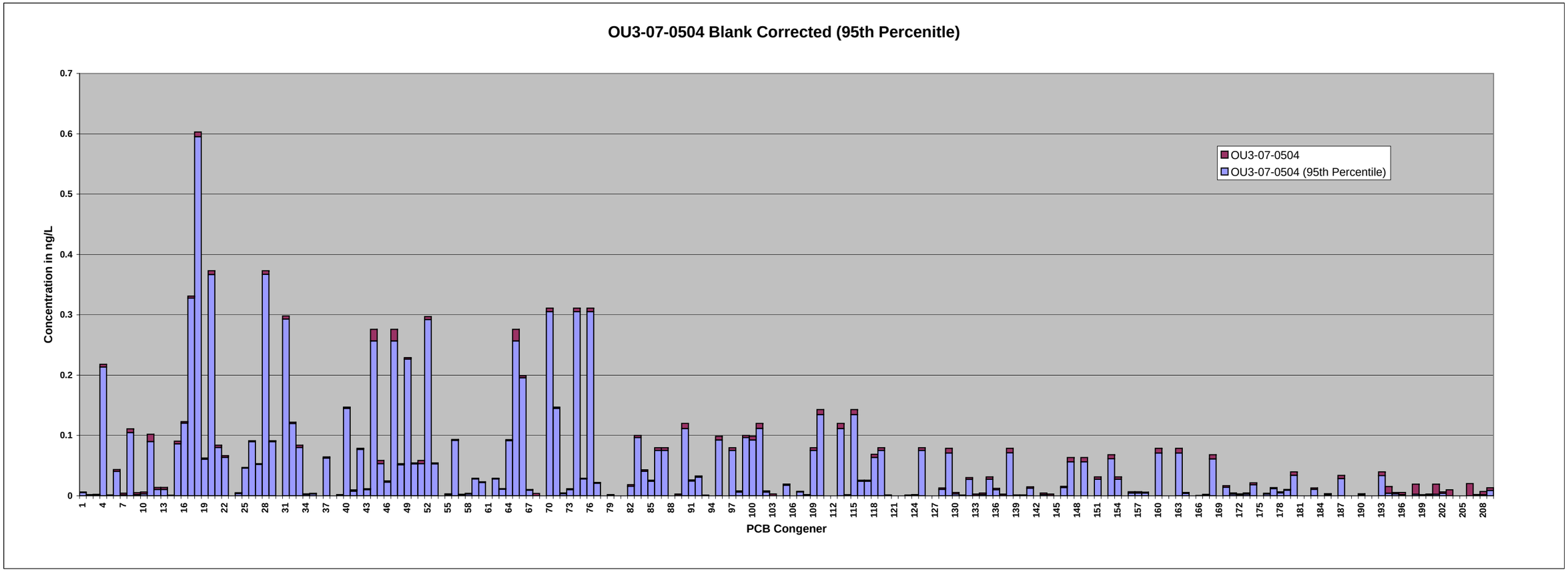

LWB-07-0501 Blank Corrected (95th Percentile)
LWB-07-0501
LWB-07-0501 (95th Percentile)
Concentration in ng/L
PCB Congener

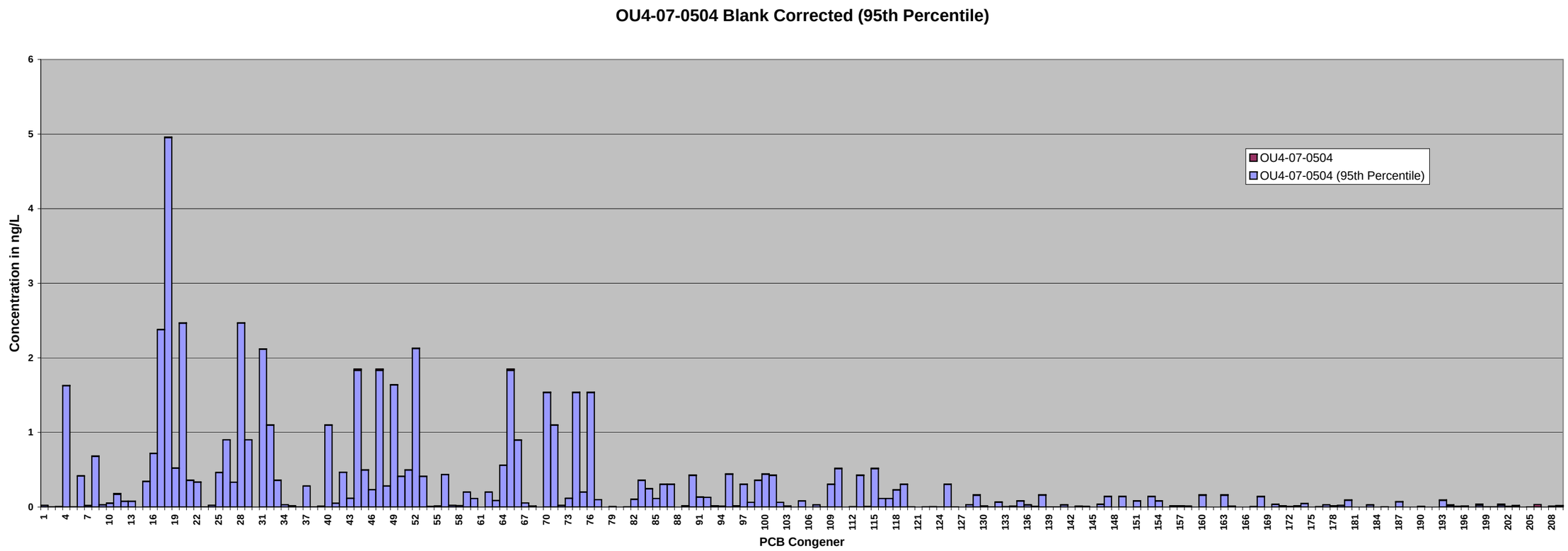

OU1-07-0502 Blank Corrected (95th Percentile)
Concentration in ng/L
PCB Congener
OU1-07-0502
OU1-07-0502 (95th Percentile)

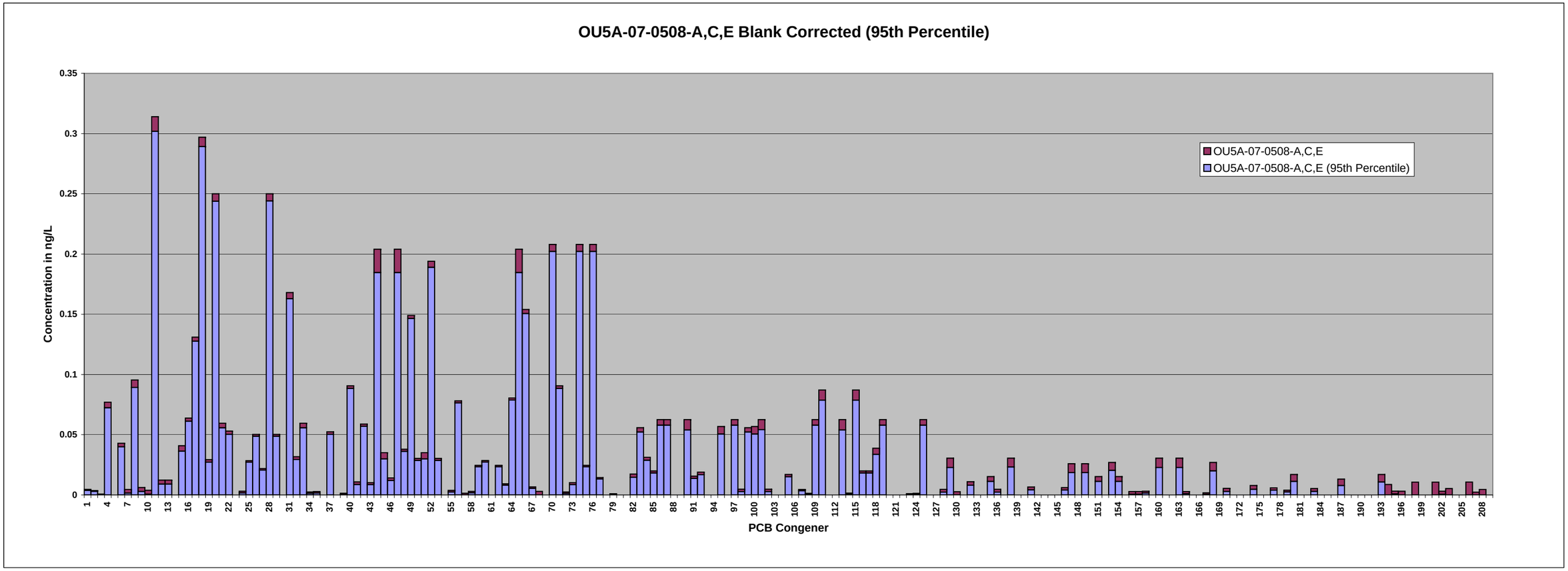

OU2A-07-0502 Blank Corrected (95th Percentile)
Concentration in ng/L
PCB Congener
OU2A-07-0502
OU2A-07-0502 (95th Percentile)

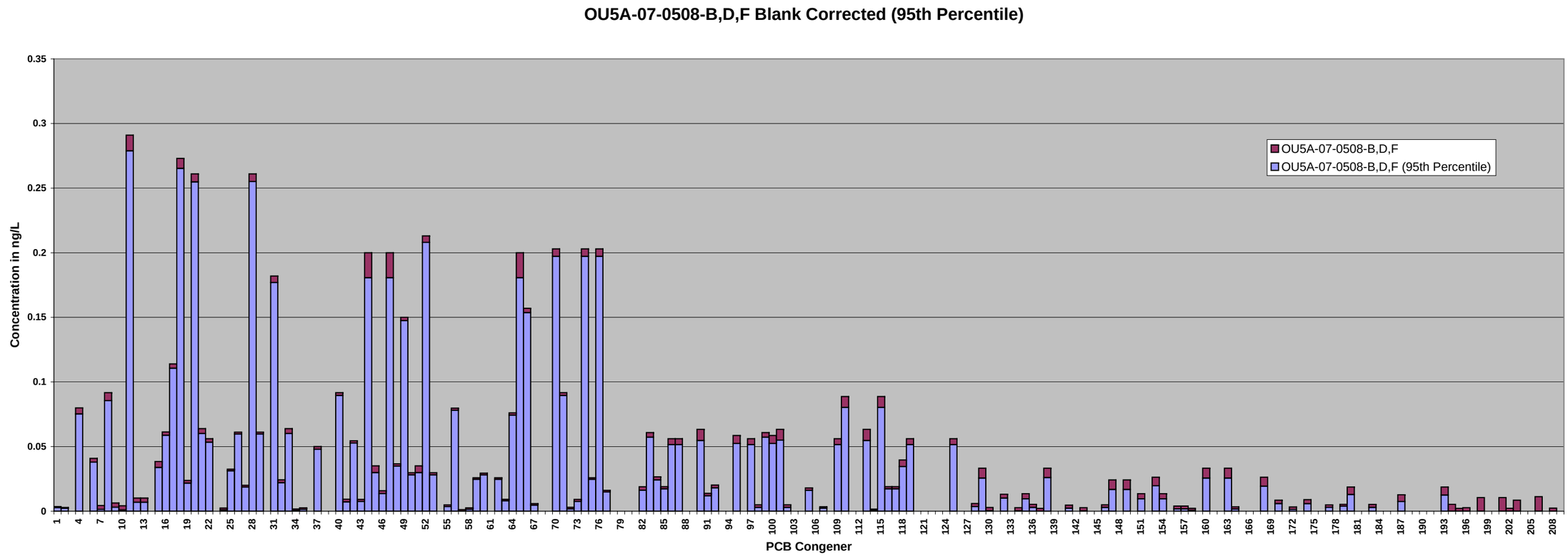

OU2B-07-0503 Blank Corrected (95th Percentile)
Concentration in ng/L
PCB Congener
OU2B-07-0503
OU2B-07-0503 (95th Percentile)

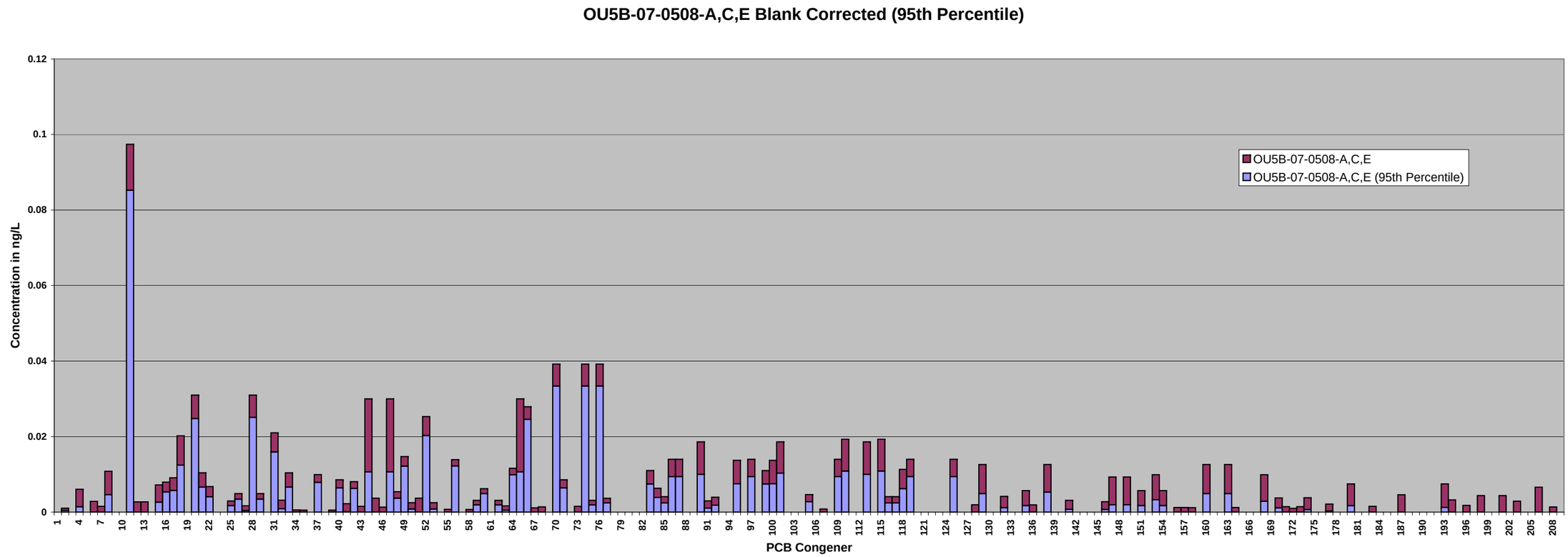

OU2C-07-0503 Blank Corrected (95th Percentile)
OU2C-07-0503
OU2C-07-0503 (95th Percentile)
Concentration in ng/L
PCB Congener

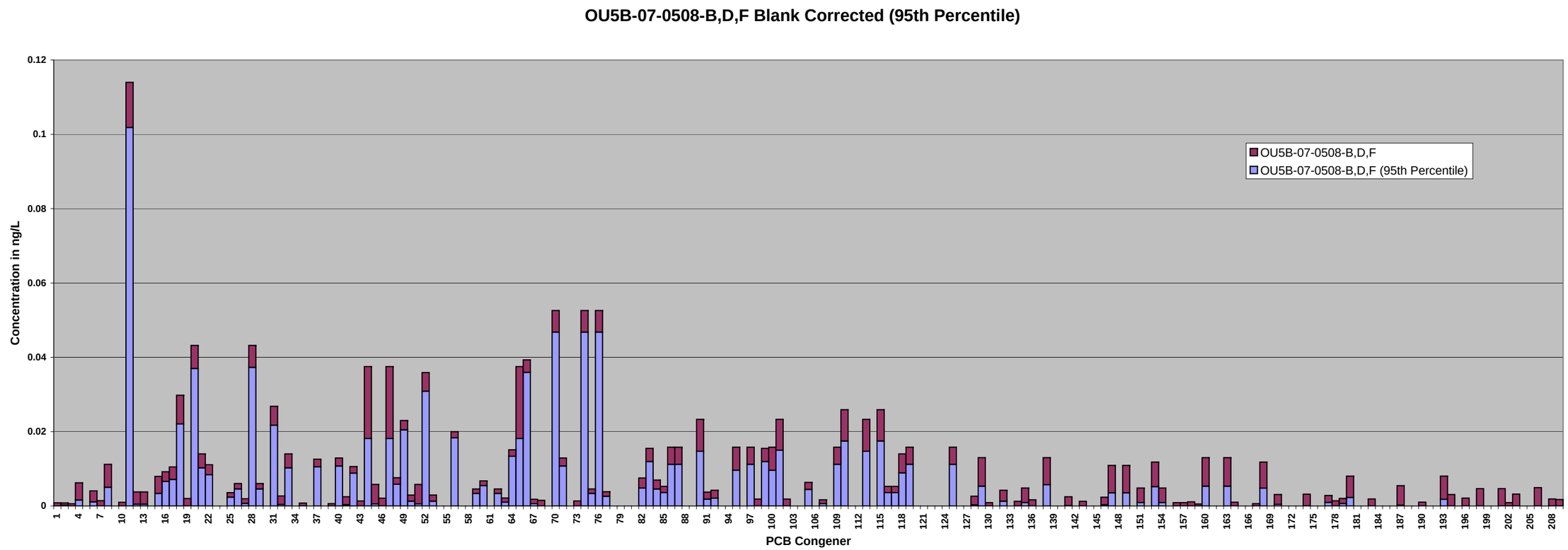

OU3-07-0504 Blank Corrected (95th Percenitle)
Concentration in ng/L
PCB Congener
OU3-07-0504
OU3-07-0504 (95th Percentile)

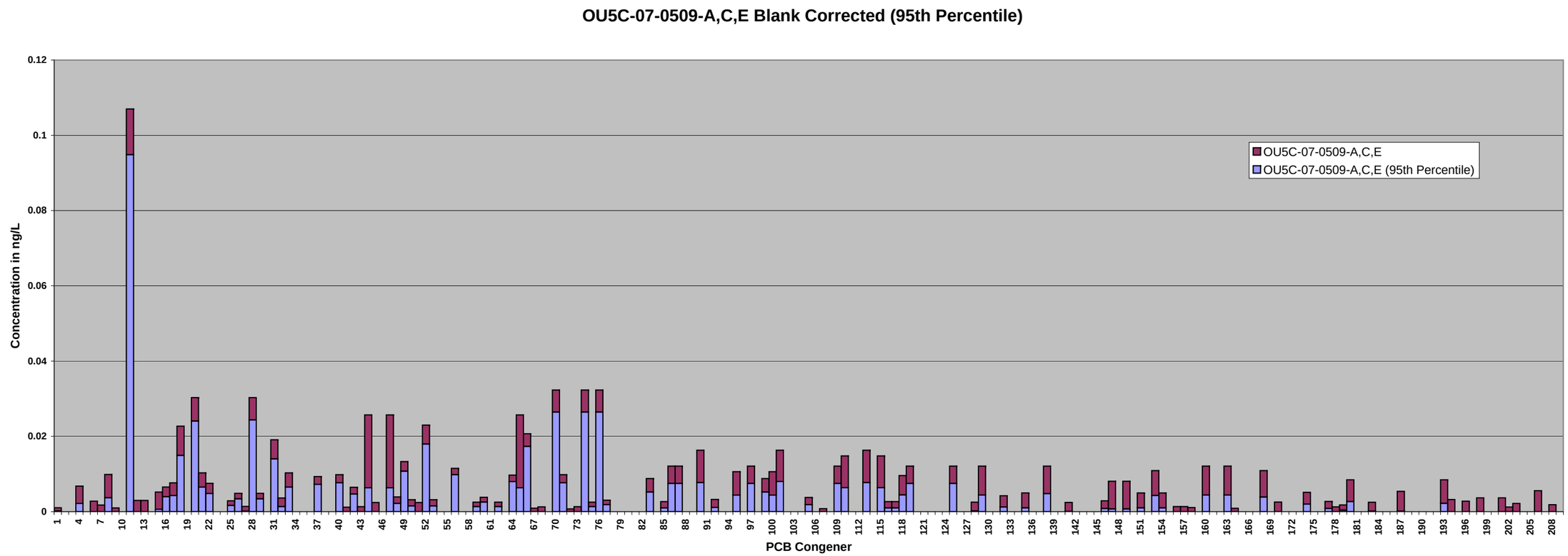

OU4-07-0504 Blank Corrected (95th Percentile)
Concentration in ng/L
PCB Congener
OU4-07-0504
OU4-07-0504 (95th Percentile)

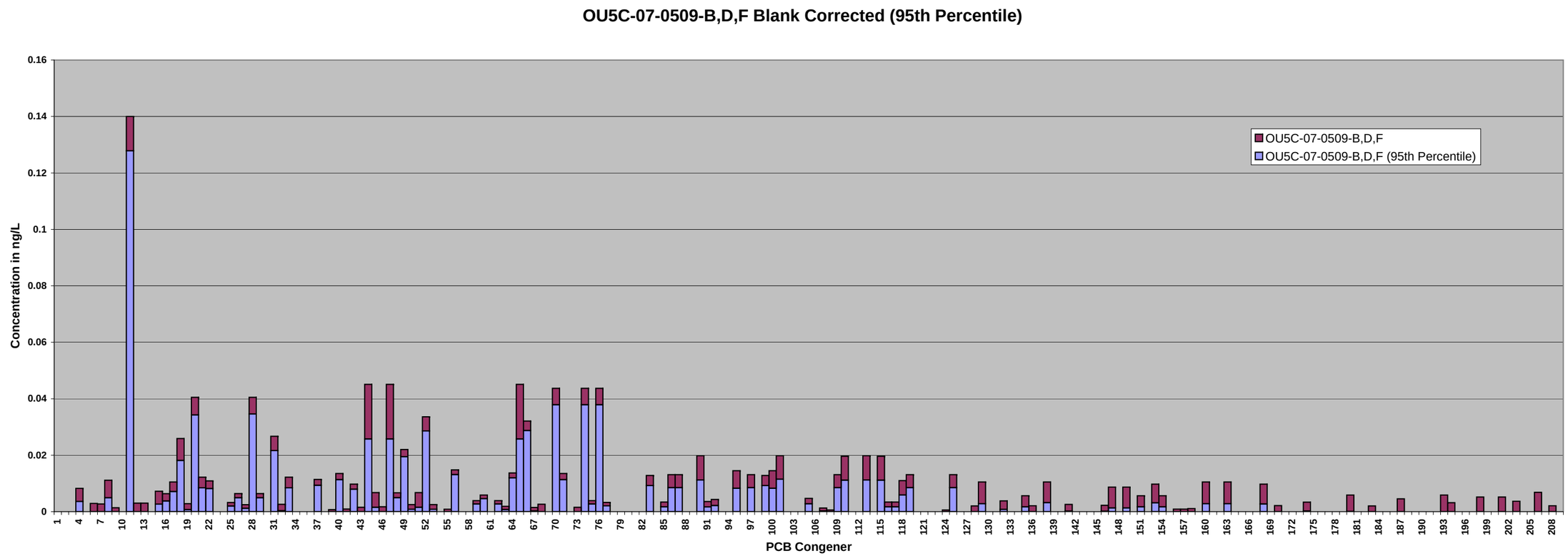

OU5A-07-0508-A,C,E Blank Corrected (95th Percentile)
Concentration in ng/L
PCB Congener
OU5A-07-0508-A,C,E
OU5A-07-0508-A,C,E (95th Percentile)


OU5A-07-0508-B,D,F Blank Corrected (95th Percentile)
Concentration in ng/L
PCB Congener
OU5A-07-0508-B,D,F
OU5A-07-0508-B,D,F (95th Percentile)

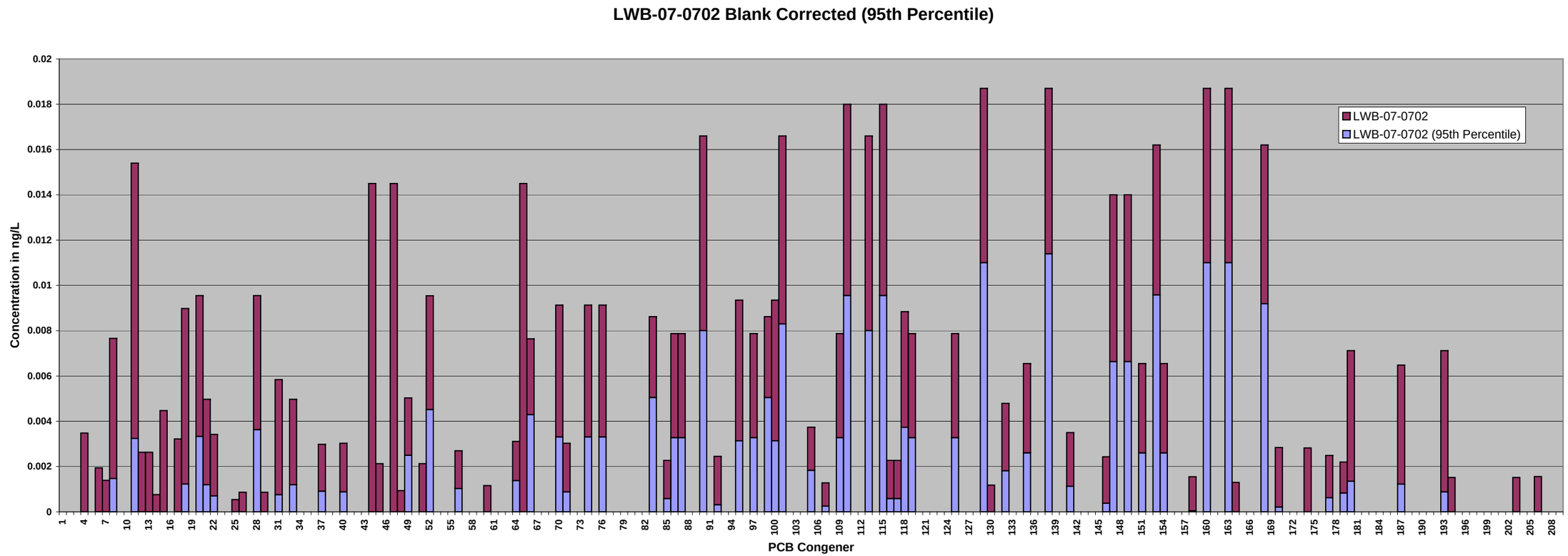

OU5B-07-0508-A,C,E Blank Corrected (95th Percentile)
Concentration in ng/L
PCB Congener
OU5B-07-0508-A,C,E
OU5B-07-0508-A,C,E (95th Percentile)

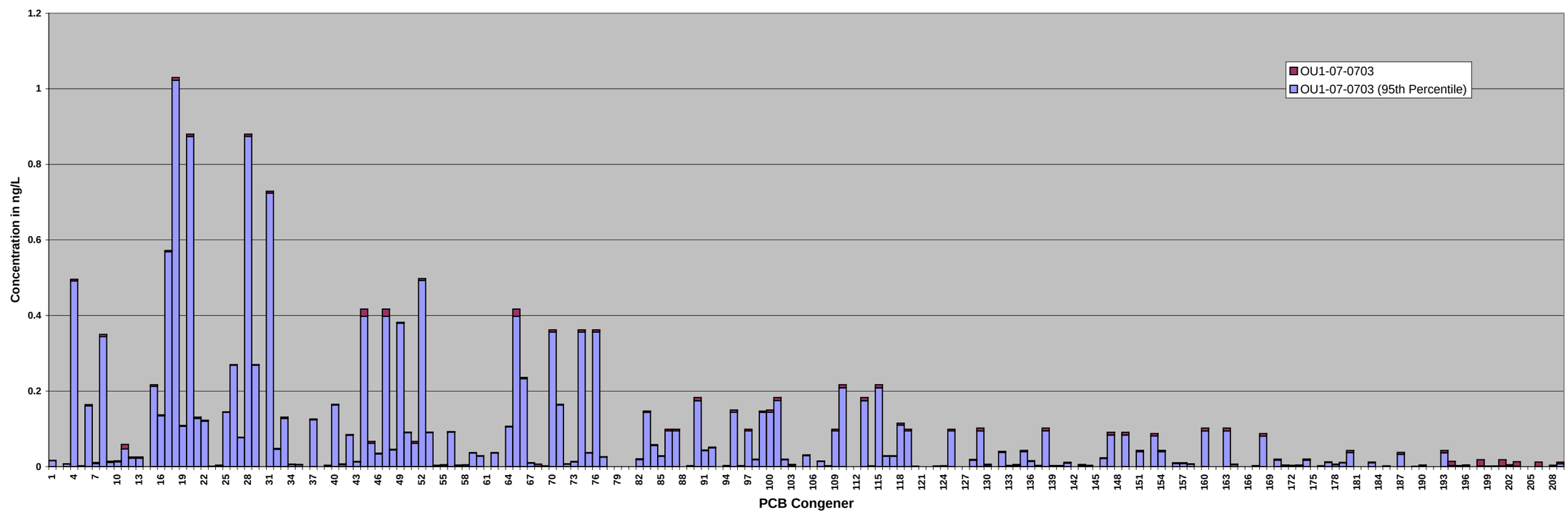

OU5B-07-0508-B,D,F Blank Corrected (95th Percentile)
Concentration in ng/L
PCB Congener
OU5B-07-0508-B,D,F
OU5B-07-0508-B,D,F (95th Percentile)

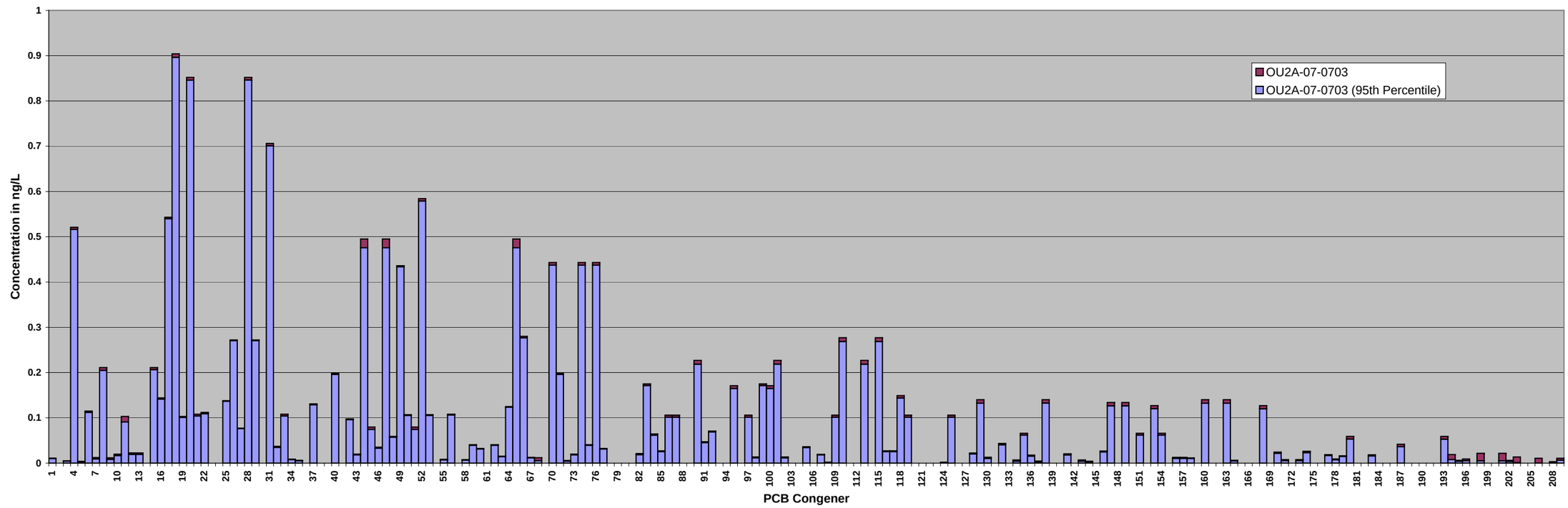

OU5C-07-0509-A,C,E Blank Corrected (95th Percentile)
Concentration in ng/L
0.12
0.1
0.08
0.06
0.04
0.02
0
OU5C-07-0509-A,C,E
OU5C-07-0509-A,C,E (95th Percentile)
PCB Congener

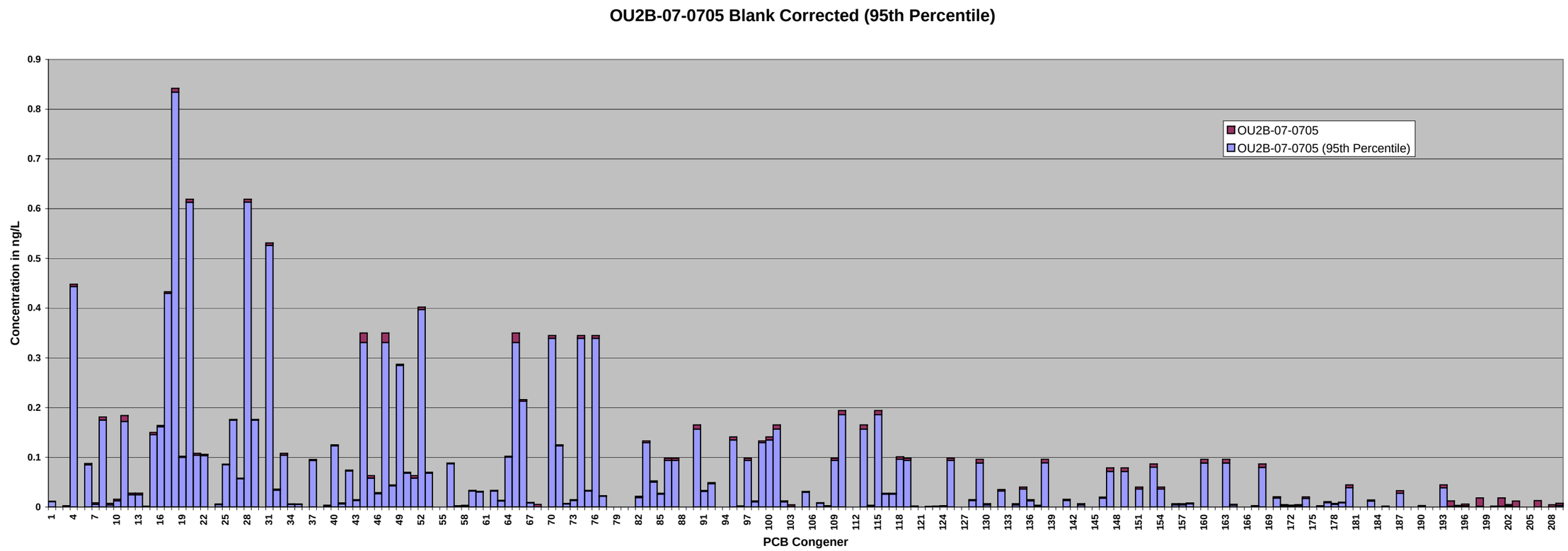

OU5C-07-0509-B,D,F Blank Corrected (95th Percentile)
OU5C-07-0509-B,D,F
OU5C-07-0509-B,D,F (95th Percentile)
Concentration in ng/L
PCB Congener

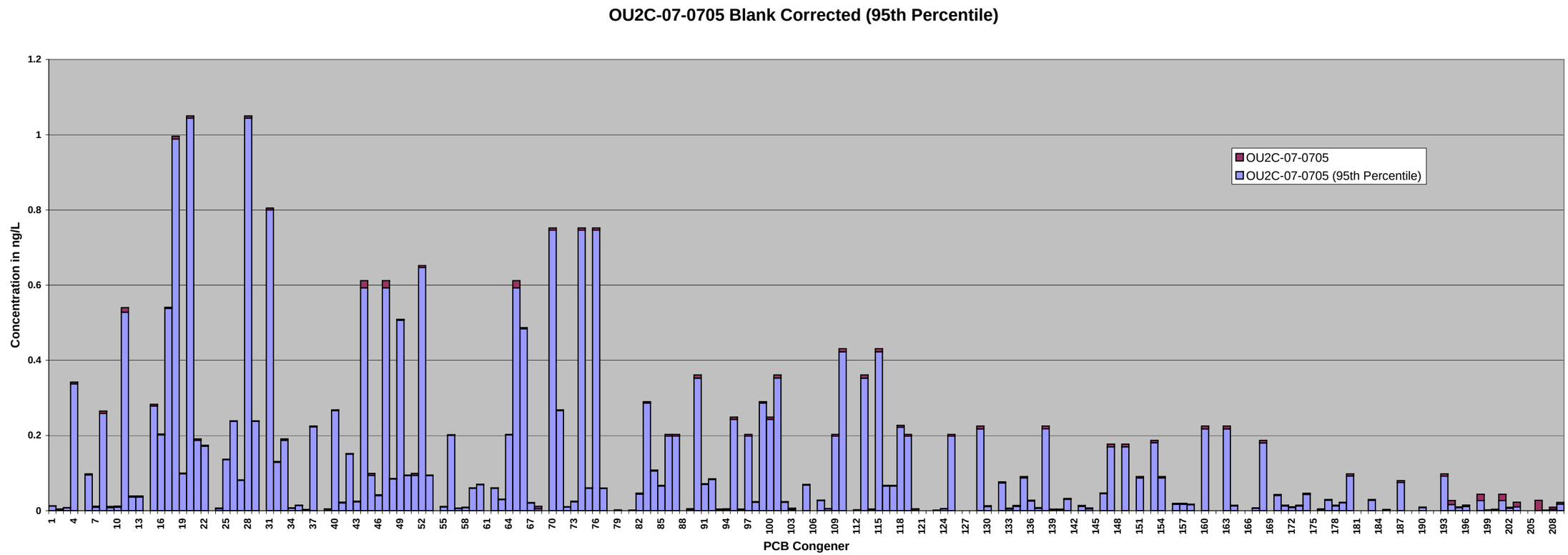
JULY 2007

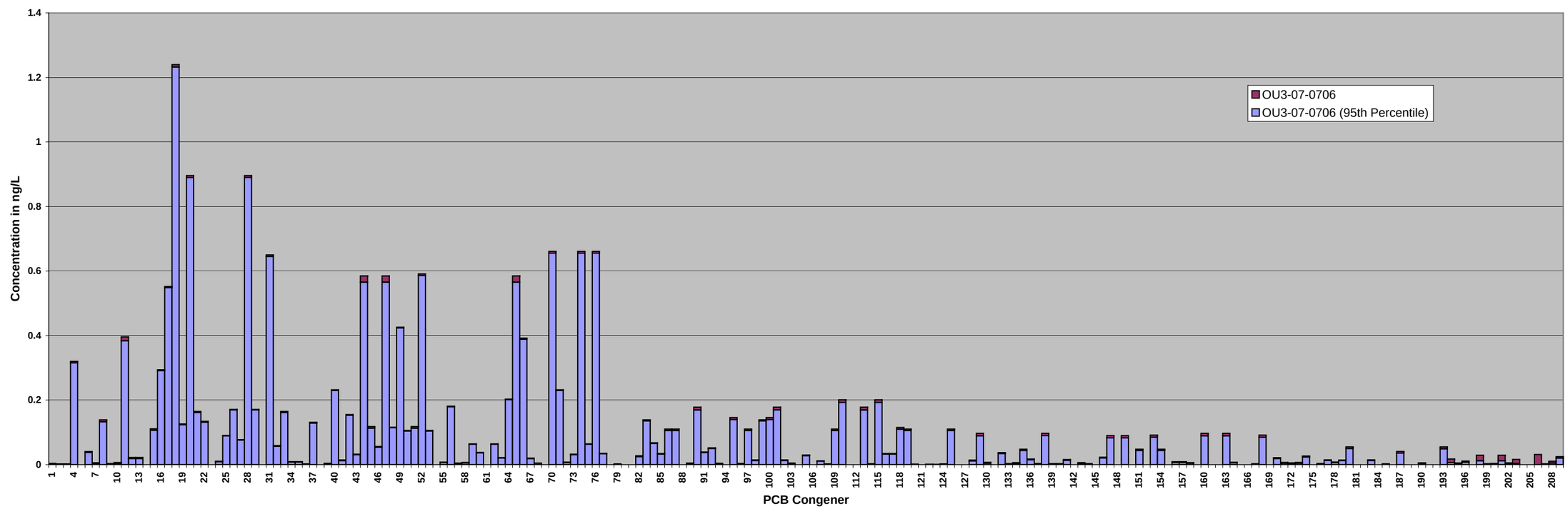

LWB-07-0702 Blank Corrected (95th Percentile)
Concentration in ng/L
PCB Congener
LWB-07-0702
LWB-07-0702 (95th Percentile)

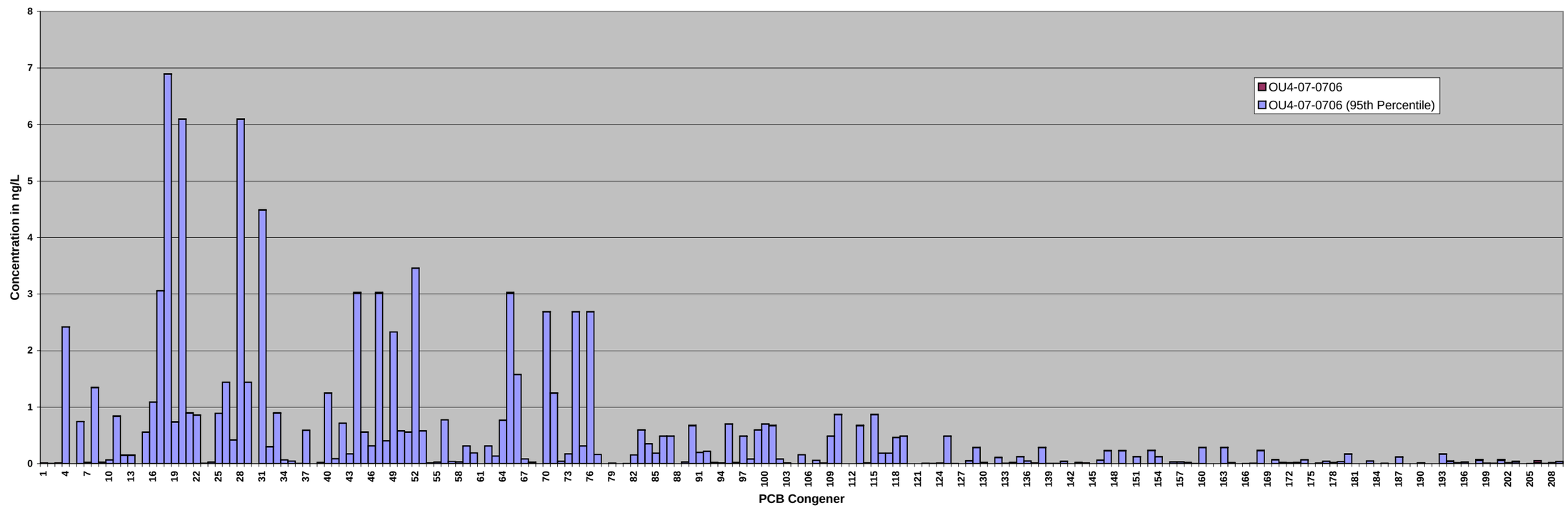

OU1-07-0703 Blank Corrected (95th Percentile)
OU1-07-0703
OU1-07-0703 (95th Percentile)
Concentration in ng/L
PCB Congener

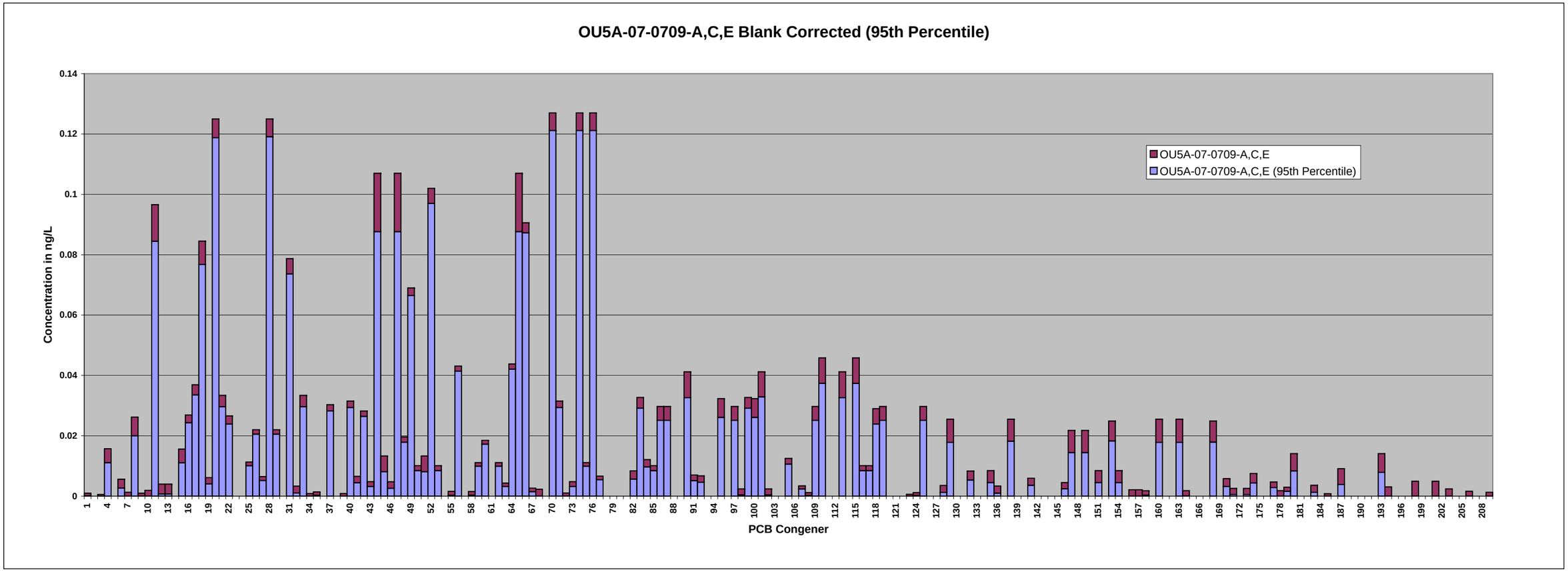

OU2A-07-0703 Blank Corrected (95th Percentile)
OU2A-07-0703
OU2A-07-0703 (95th Percentile)
Concentration in ng/L
PCB Congener

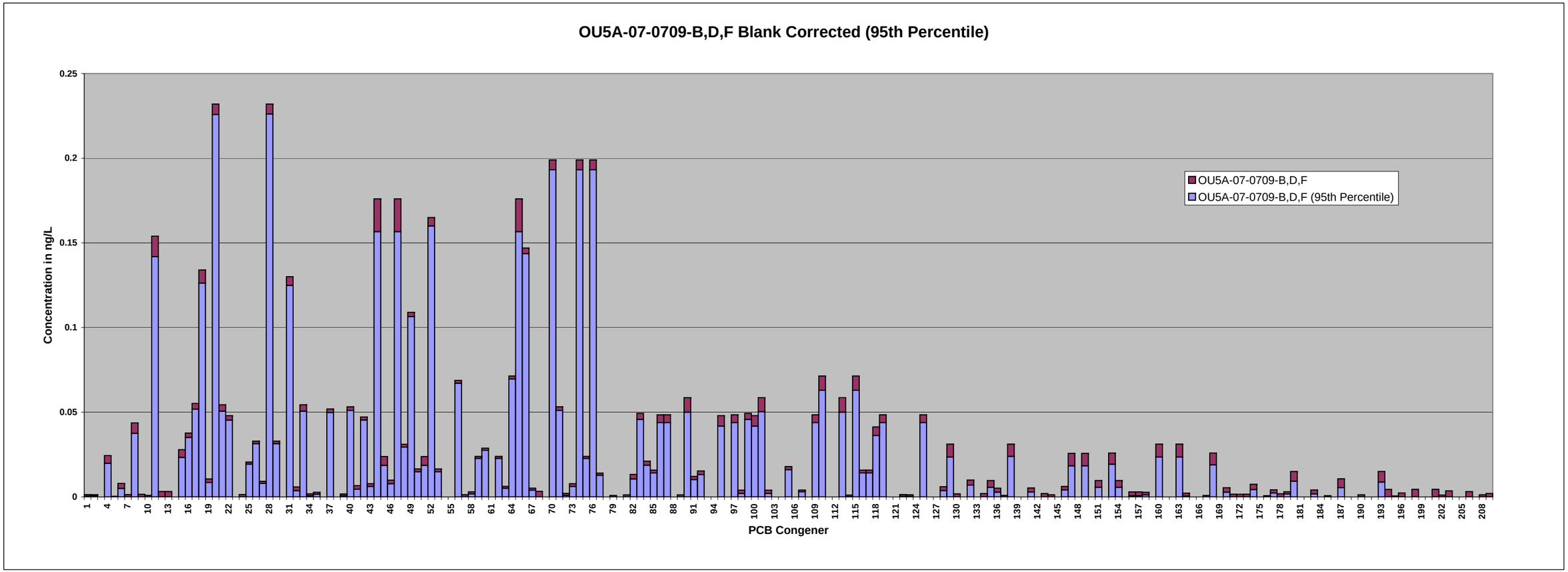

OU2B-07-0705 Blank Corrected (95th Percentile)
OU2B-07-0705
OU2B-07-0705 (95th Percentile)
Concentration in ng/L
PCB Congener

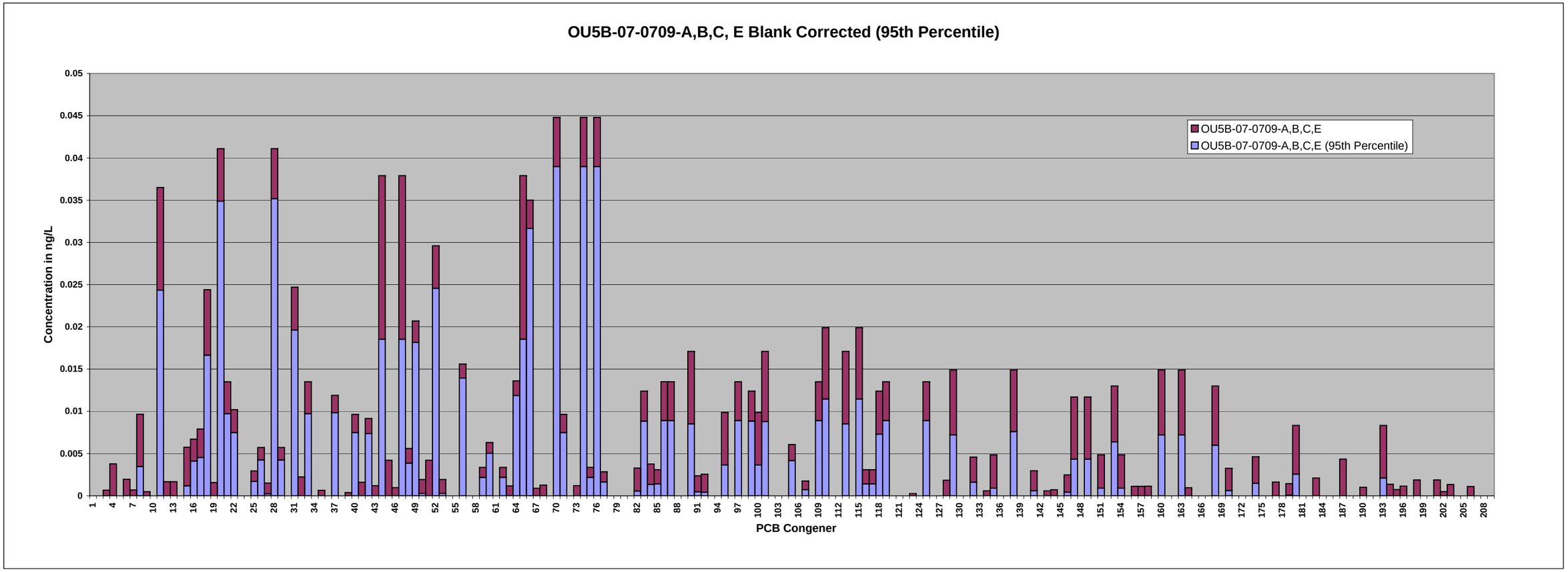

OU2C-07-0705 Blank Corrected (95th Percentile)
Concentration in ng/L
PCB Congener
OU2C-07-0705
OU2C-07-0705 (95th Percentile)

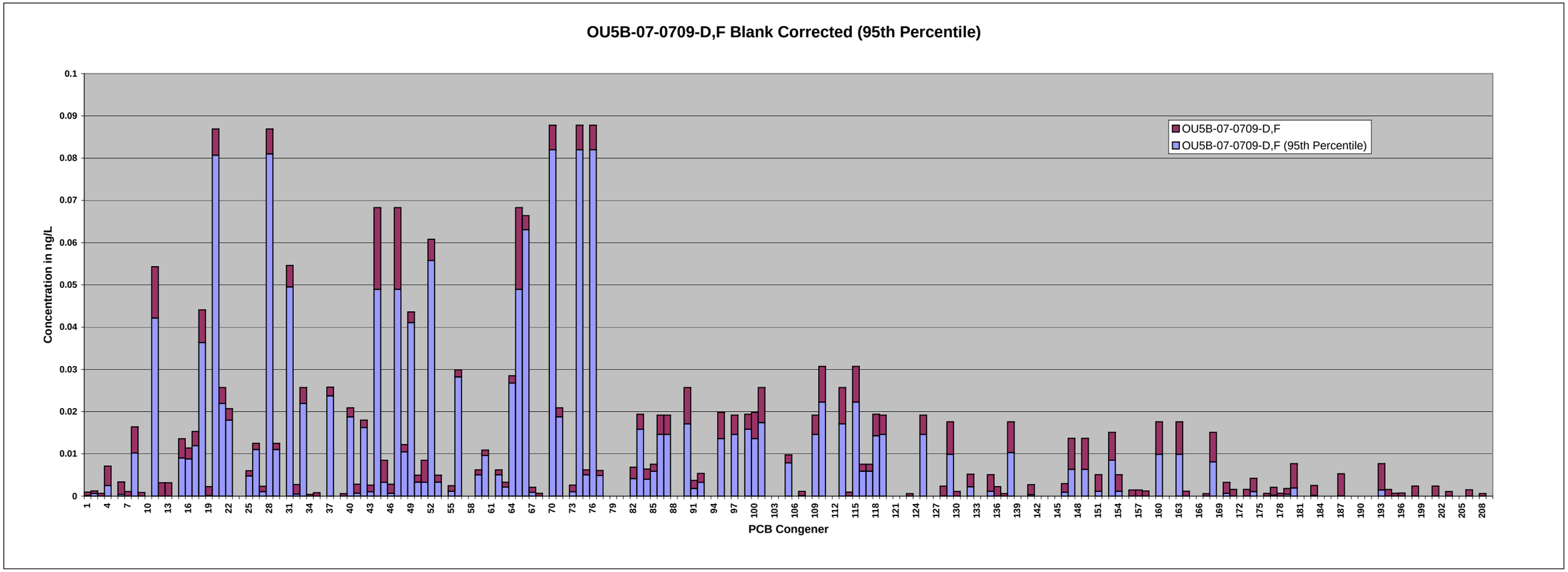

OU3-07-0706 Blank Corrected (95th Percentile)
OU3-07-0706
OU3-07-0706 (95th Percentile)
Concentration in ng/L
PCB Congener

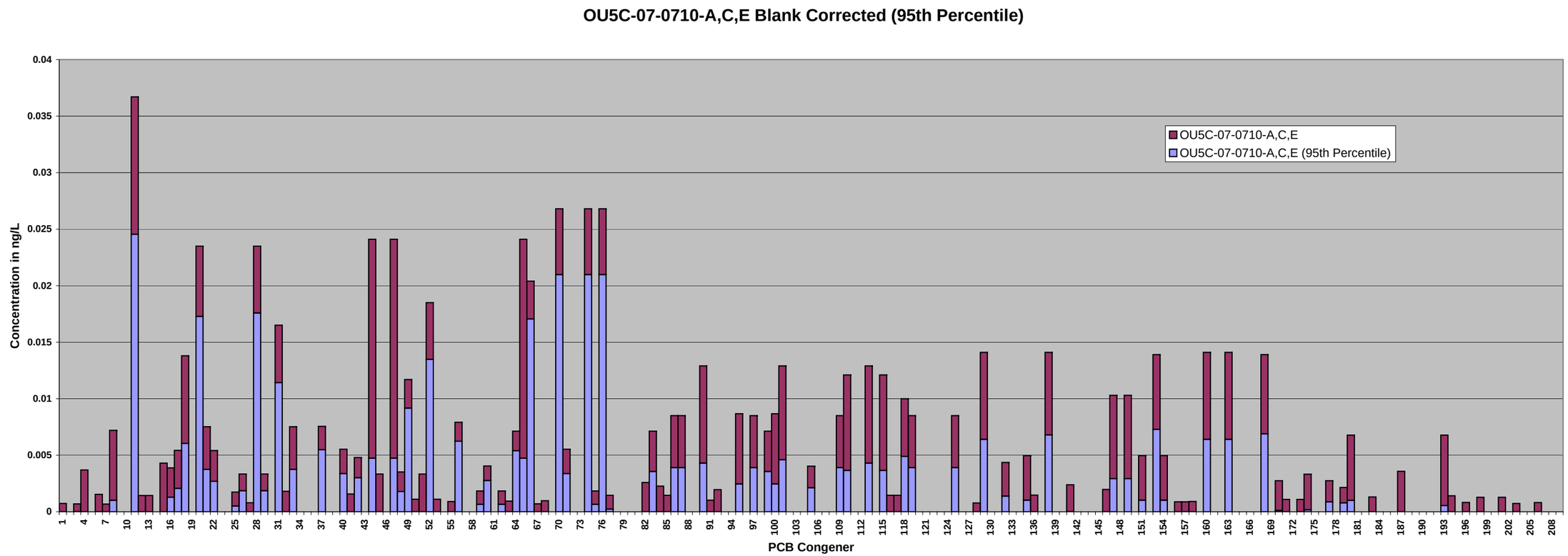

OU4-07-0706 Blank Corrected (95th Percentile)
OU4-07-0706
OU4-07-0706 (95th Percentile)
Concentration in ng/L
PCB Congener

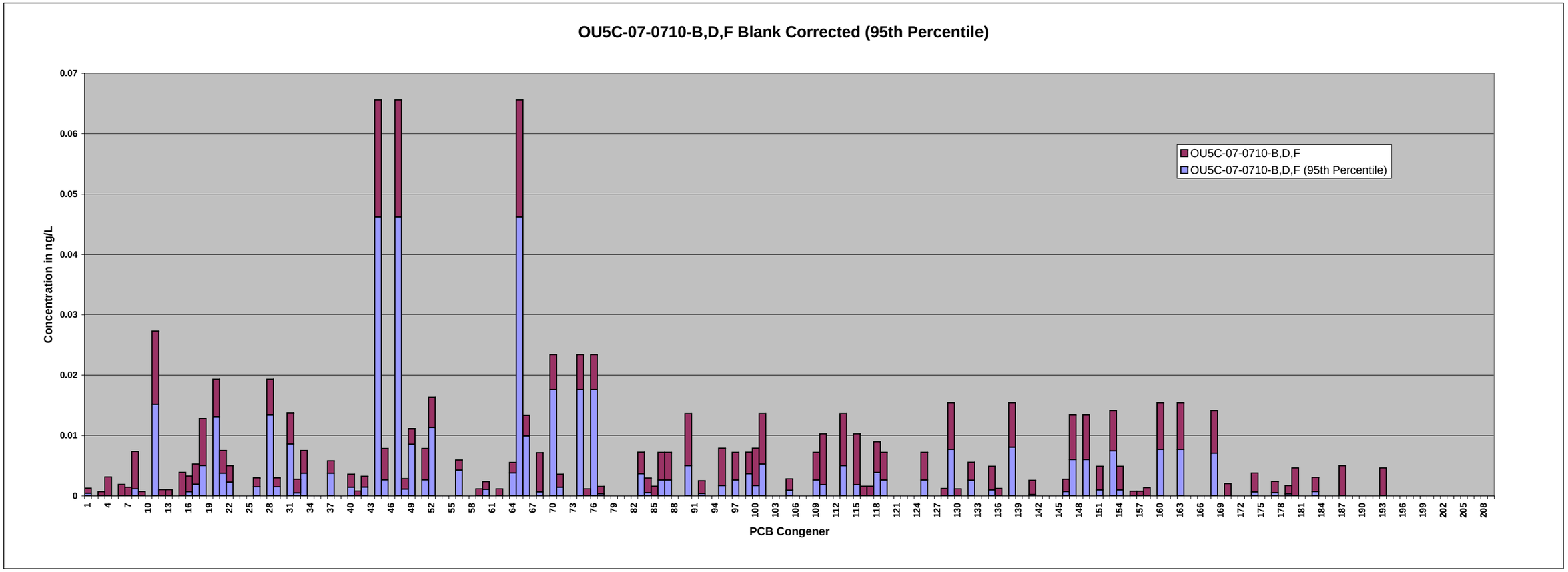

OU5A-07-0709-A,C,E Blank Corrected (95th Percentile)
Concentration in ng/L
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
OU5A-07-0709-A,C,E
OU5A-07-0709-A,C,E (95th Percentile)
PCB Congener


OU5A-07-0709-B,D,F Blank Corrected (95th Percentile)
Concentration in ng/L
0.25
0.2
0.15
0.1
0.05
0
OU5A-07-0709-B,D,F
OU5A-07-0709-B,D,F (95th Percentile)
PCB Congener


OU5B-07-0709-A,B,C, E Blank Corrected (95th Percentile)
OU5B-07-0709-A,B,C,E
OU5B-07-0709-A,B,C,E (95th Percentile)
Concentration in ng/L
PCB Congener


OU5B-07-0709-D,F Blank Corrected (95th Percentile)
OU5B-07-0709-D,F
OU5B-07-0709-D,F (95th Percentile)
Concentration in ng/L
PCB Congener


OU5C-07-0710-A,C,E Blank Corrected (95th Percentile)
OU5C-07-0710-A,C,E
OU5C-07-0710-A,C,E (95th Percentile)
Concentration in ng/L
PCB Congener


OU5C-07-0710-B,D,F Blank Corrected (95th Percentile)
Concentration in ng/L
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
OU5C-07-0710-B,D,F
OU5C-07-0710-B,D,F (95th Percentile)
PCB Congener

APPENDIX J

LIMNOTECH MEMORANDA – PCB LOAD ESTIMATES FOR THE FOX RIVER, 2006-2007

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MEMORANDUM

DATE: May 15, 2008

FROM: Ed Verhamme and John Wolfe

PROJECT: FOXSH

TO: Todd Thornburg, Anchor Environmental

CC:

SUBJECT: PCB Load Estimates from the 2006/2007 dataset for the Fox River

Summary

The purpose of this memo is to estimate the total annual PCB load at seven locations on the Fox River using PCB data collected approximately monthly between August 2006 and July 2007, and is a revised version of a draft memo dated November 8, 2007. This revised memo incorporates new blank corrections. Relative to that earlier draft, load estimates are very slightly higher.

The average daily flow during this period was approximately one-third lower than the long term average for the Fox River. The Beale Ratio Estimator was applied to unstratified and stratified data to estimate the annual PCB load. Linear interpolation of PCB concentrations between sampling events provided a third method to calculate the annual load. All three methods calculated similar loads (Table 1) for each location. For all three methods, PCB loading is highest at the downstream end of OU4.

Table 1. Summary of PCB load estimates (kg/yr).

Location	Unstratified Beale	Auto-Stratified Beale	Linear Interpolation
LW	0.5	0.4	0.4
OU1	6.7	4.9	6.7
OU2A	6.8	5.3	6.9
OU2B	10.0	7.8	8.0
OU2C	8.7	7.9	8.5
OU3	9.8	7.4	10.1
OU4	51.6	42.1	54.7

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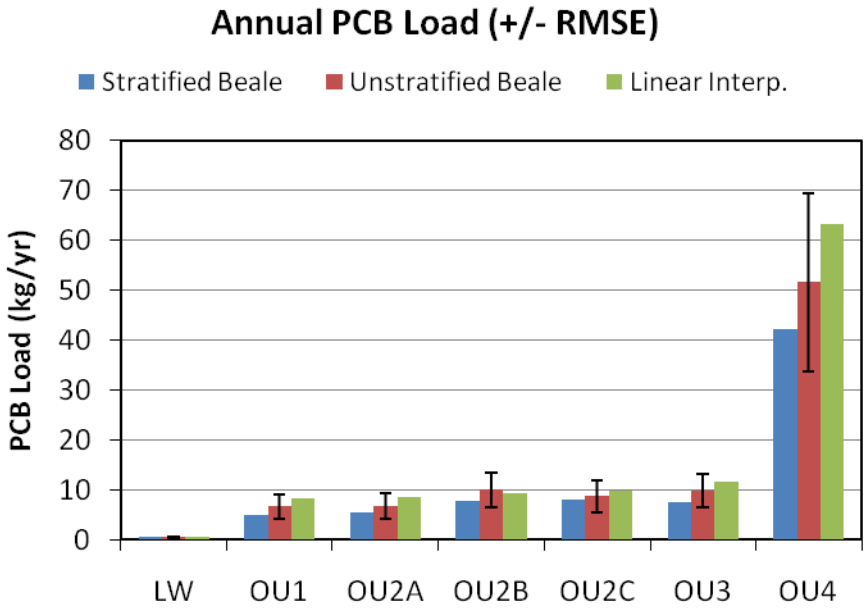

Figure 1. Comparison of PCB loads (+/- RMSE) using stratified (AutoBeale) and unstratified forms of the Beale Ratio and linear interpoloation.

Loading Estimate

Concentration data were provided to LimnoTech by Anchor Environmental. PCB concentrations were measured approximately monthly from August 2006 to July 2007 at the downstream ends of Lake Winnebago (LW), of each Operable Unit, and at two locations within Operable Unit 2. Two concentrations were reported, a raw PCB concentration and a blank-corrected PCB concentration; blank-corrected concentrations were used for loading estimates. Daily flow measured by the USGS at Rapide Croche on the Fox River was adjusted to each sampling location by multiplying the measured daily flow by a watershed ratio. The watershed ratio (Table 1) is calculated as the watershed drainage area at the sampling location divided by the watershed drainage area at Rapide Croche (6,010 sq mi).

Table 2. Drainage ratio used to estimate the flow at each sampling location.

Station	Drainage Ratio	Drainage Area (sq mi)
LW	0.978	5,878
OU1	0.990	5,950
OU2	1.015	6,100
OU3	1.017	6,112
OU4	1.050	6,311

The Beale Ratio (Equation 1) relies on the relationship between flow and load to estimate the mean daily load. On days when a sample is taken, the daily load is calculated as the product of concentration and flow. A mean daily load is estimated from all of the daily load calculations and then adjusted by multiplying it by a flow ratio. The flow ratio is calculated as the annual average flow divided by the average flow during sampling events. This accounts for oversampling or undersampling during high and low flow periods. A bias correction factor is also included to compensate for the effects of the correlation between discharge and load. The adjusted mean daily load is multiplied by 365 to obtain the annual load.

$$\bar{I}_a = \bar{I}_o \frac{q_a}{q_o} \alpha \quad \text{Equation 1.}$$

$$\alpha = \left[\frac{1 + \left(\frac{1}{n} - \frac{1}{N} \right) \frac{s_{lq}}{I_o \bar{q}_o}}{1 + \left(\frac{1}{n} - \frac{1}{N} \right) \frac{s_{qq}}{I_o \bar{q}_o^{\,2}}} \right] \quad \text{Equation 2.}$$

In Equation 1, α is the bias correction factor, q_a is the annual average flow, q_o is the mean flow during sampling events, I_o is the mean daily load during sampling events, and I_a is the adjusted mean daily load. The bias correction factor (Equation 2) is calculated using the covariance of load and flow (s_{lq}), variance of flow on days when samples were taken (s_{qq}), and the sample size of sampled days (n) and all days (N). The root mean square error (RMSE) of the load estimate can also be calculated for the load estimate.

Table 3. PCB load estimated by the unstratified Beale Ratio.

Location	PCB Load (kg/yr)	RMSE (kg/yr)	RMSE (%)
LW	0.5	0.1	27%
OU1	6.7	2.4	36%
OU2A	6.8	2.6	39%
OU2B	10.0	3.4	34%
OU2C	8.7	3.2	37%
OU3	9.8	3.3	34%
OU4	51.6	17.9	35%

The Beale Ratio can be applied to a subset of the concentration and flow data in a stratified mode, which treats each stratum independently of the others. This method is useful if the relationship between load and flow tends to follow a seasonal pattern. The load for each stratum is calculated by multiplying the adjusted mean daily load for the stratum by the number of days in the stratum. The stratum loads are then summed to obtain the total annual load. AutoBeale is a computer program developed by R. Peter Richards at Heidelberg College (1999) that implements the Beale Ratio Estimator in stratified mode to estimate the mean daily load. The

program includes routines to automatically stratify the concentration data to minimize the RMSE of the load estimate (Table 4). Because the sampling program began in August 2006 and ended in July 2007, the start and end dates for all of the locations is always August 1 and July 31.

Table 4. PCB load estimated by AutoBeale along with the start date of each stratum.

Location	PCB Load (kg/yr)	Stratum 1	Stratum 2	Stratum 3	Stratum 4	Stratum 5
LW	0.4	8/1/06				
OU1	4.9	8/1/06	10/5/06	3/19/07	6/4/07	
OU2A	5.3	8/1/06	10/7/06	3/19/07	6/4/07	
OU2B	7.8	8/1/06	10/6/06	4/9/07		
OU2C	7.9	8/1/06	11/3/06	5/3/07		
OU3	7.4	8/1/06	10/7/06	3/21/07	5/4/07	
OU4	42.1	8/1/06	9/15/06	11/7/06	3/21/07	5/4/07

To provide a third method to calculate loading estimates for each location, the PCB concentration was linearly interpolated between sampling dates to estimate the PCB concentration for every day between August 1, 2006 and July 31, 2007. To fill in gaps from August 1, 2006 to the first sample and from the last sample to July 31, 2007, the first sample value was used for every preceding day up to August 1 and the last sample value to every succeeding day until July 31. The RMSE was not calculated for this method. Linear interpolation ignores any relationships between load and flow and assumes that the PCB concentration increases or decreases linearly from one measured concentration to the next.

Table 5. PCB load estimated by linear interpolation.

Location	PCB Load (kg/yr)
LW	0.4
OU1	6.7
OU2A	6.9
OU2B	8.0
OU2C	8.5
OU3	10.1
OU4	54.7

Discussion

One of the major assumptions of the Beale Ratio is that as flow increases the PCB load will also increase. For all of the locations, except Lake Winnebago, the relationship between load and flow is weak when all of the sampling events are included (Figures 2 – 8). The seasonal breaks that AutoBeale chose to stratify the data are also apparent in the daily load time series plots (Figures 9 and 10). Loads on sampling dates were higher in the April to October period (summer) and lower in the November to March period (winter).

The sampling program did not target any particular flow event. The only condition of the sampling program was that samples were collected during the first week of the month. Over the course of the year, a representative range of flow conditions was sampled (Figure 11). Overall, the period from Aug 1, 2006 to July 31, 2007 was below average in terms of the average daily flow. The Aug 2006 to July 2007 average flow was 2,889 cfs compared to an average Aug to July flow of 4,272 cfs from 1950 to 2006 (Figure 12).

In summary, the Beale Ratio (unstratified and stratified) and straight linear interpolation were used to estimate the annual PCB load. While all three methods calculated similar loads for each location, the weak relationship between PCB load and flow suggests that the robustness of the load estimate to the method employed should continue to be monitored as the long term monitoring program proceeds, comparing the estimate using the Beale Ratio to estimates based on other methods. Another approach to load estimation is to use a regression relationship between load and flow. The USGS has developed a load estimator program (LOADEST) that implements three different regression models. Although the weak relationship between flow and load would still influence the accuracy of the results, regression models can accommodate a decreasing or flat relationship between load and flow. While this tool was not used to analyze the Fox River PCB data, it could be used to provide an alternate method to estimate the annual PCB load.

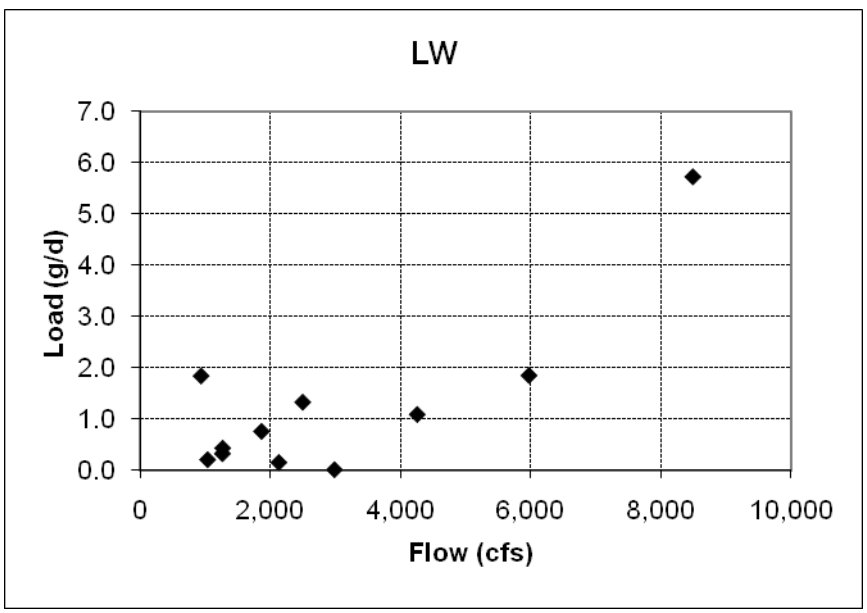

Figure 2. Daily calculated PCB load and corresponding daily flow.

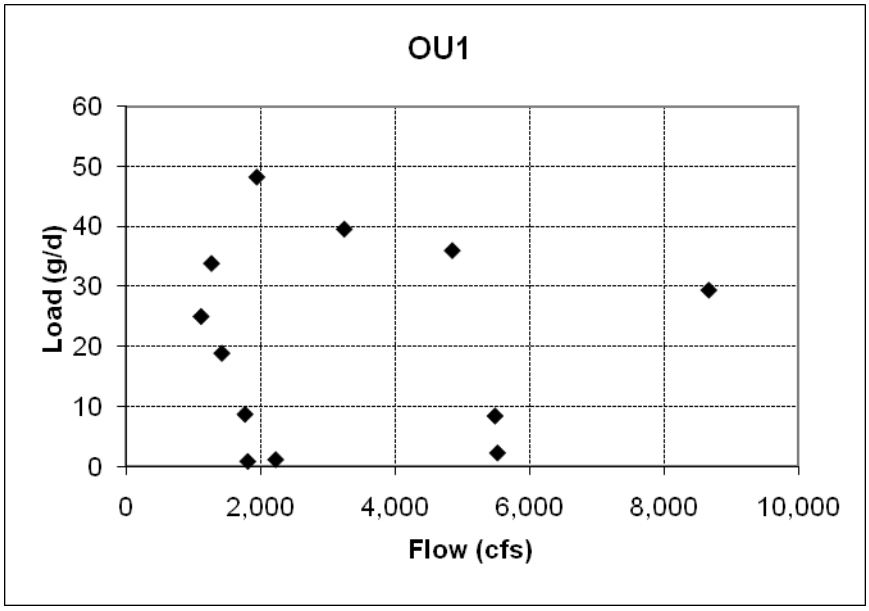

Figure 3. Daily calculated PCB load and corresponding daily flow.

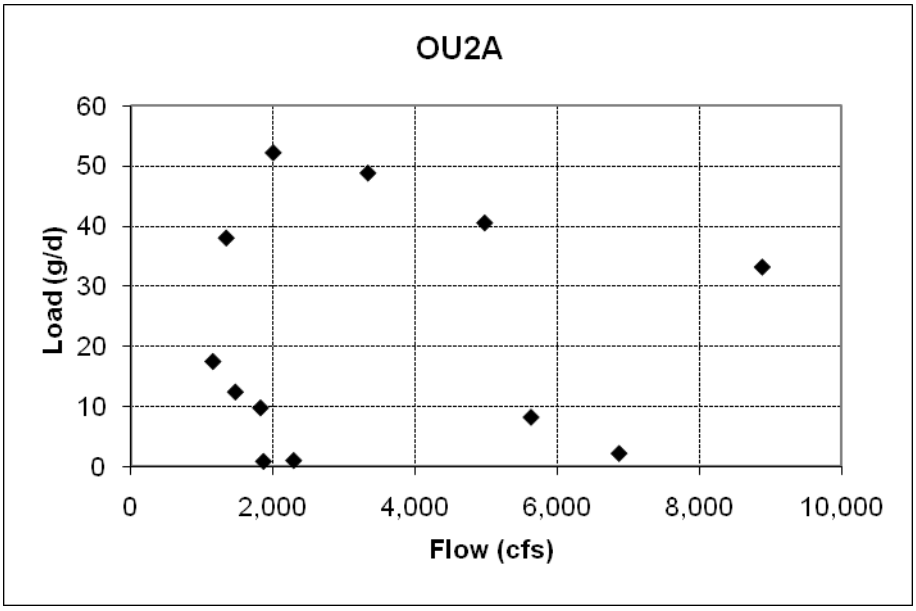

Figure 4. Daily calculated PCB load and corresponding daily flow.

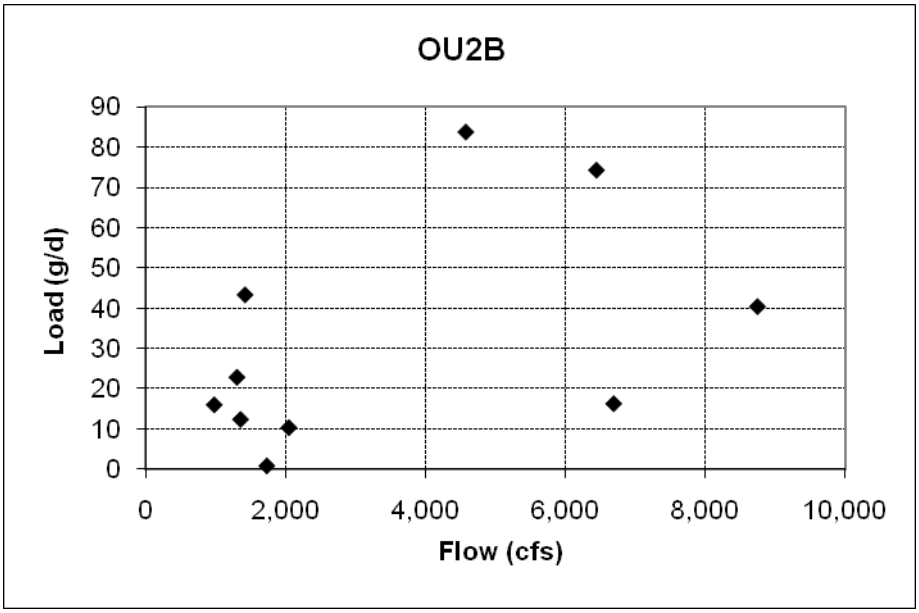

Figure 5. Daily calculated PCB load and corresponding daily flow.

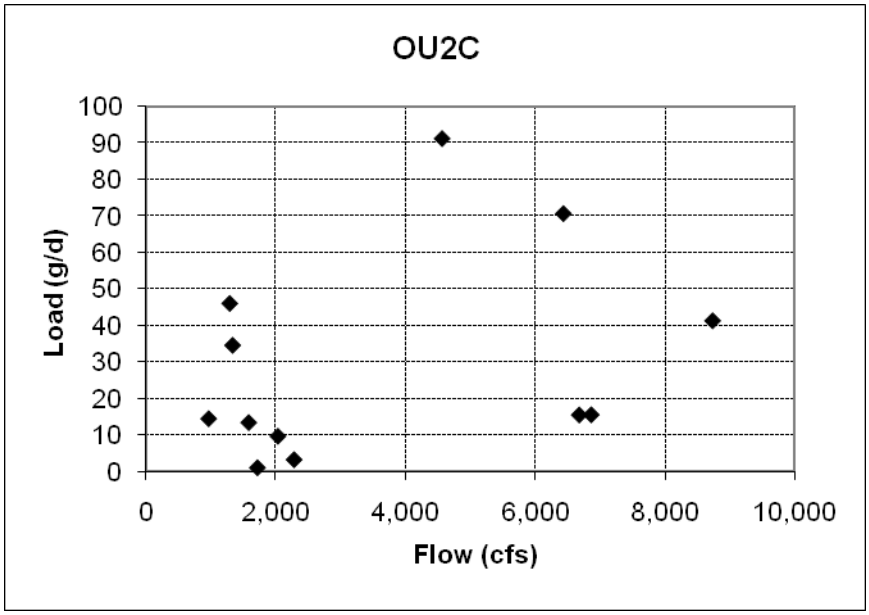

Figure 6. Daily calculated PCB load and corresponding daily flow.

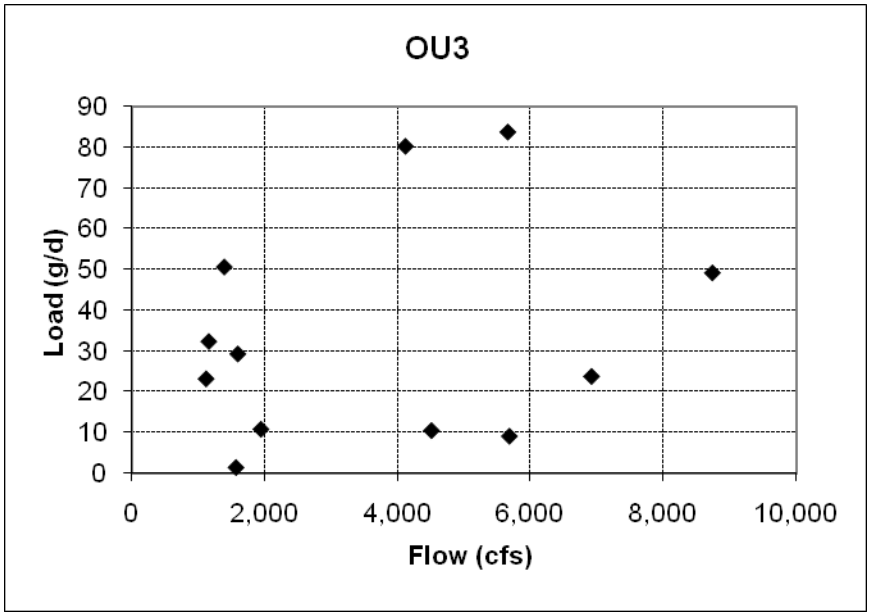

Figure **7. Daily calculated PCB load and corresponding daily flow.**

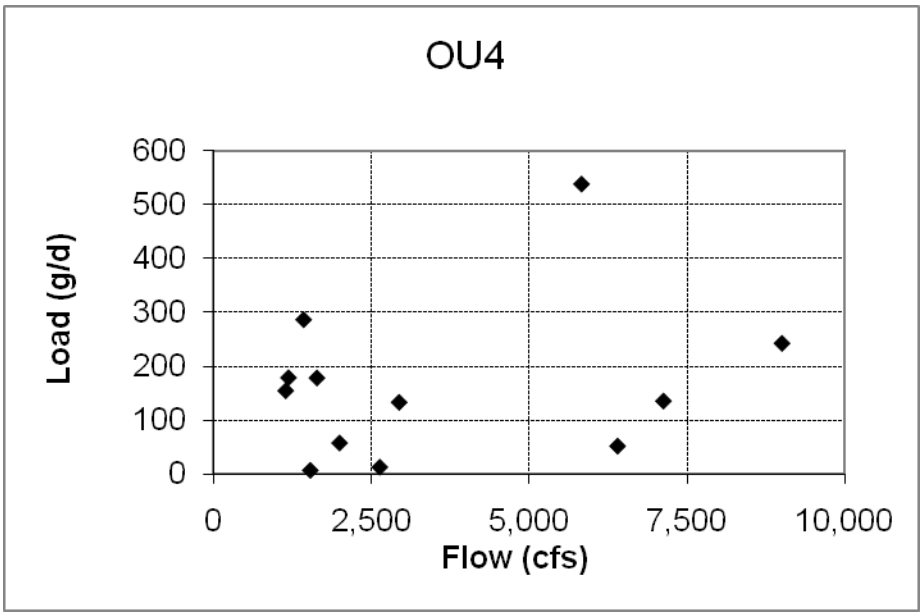

Figure 8. Daily calculated PCB load and corresponding daily flow.

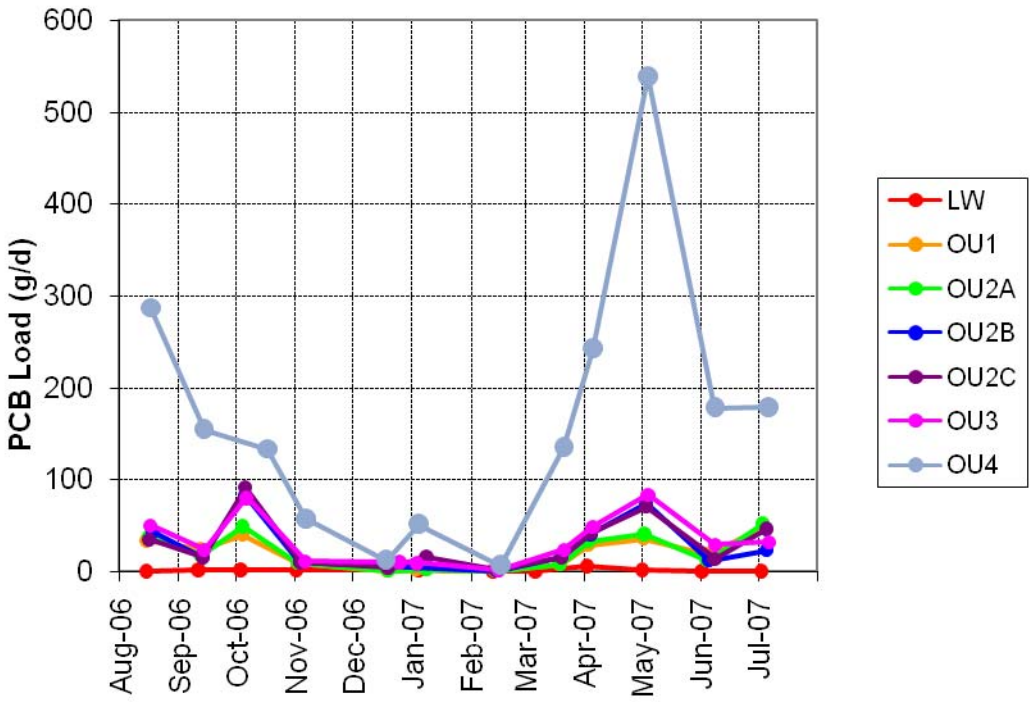

Figure 9. Daily calculated PCB for all locations.

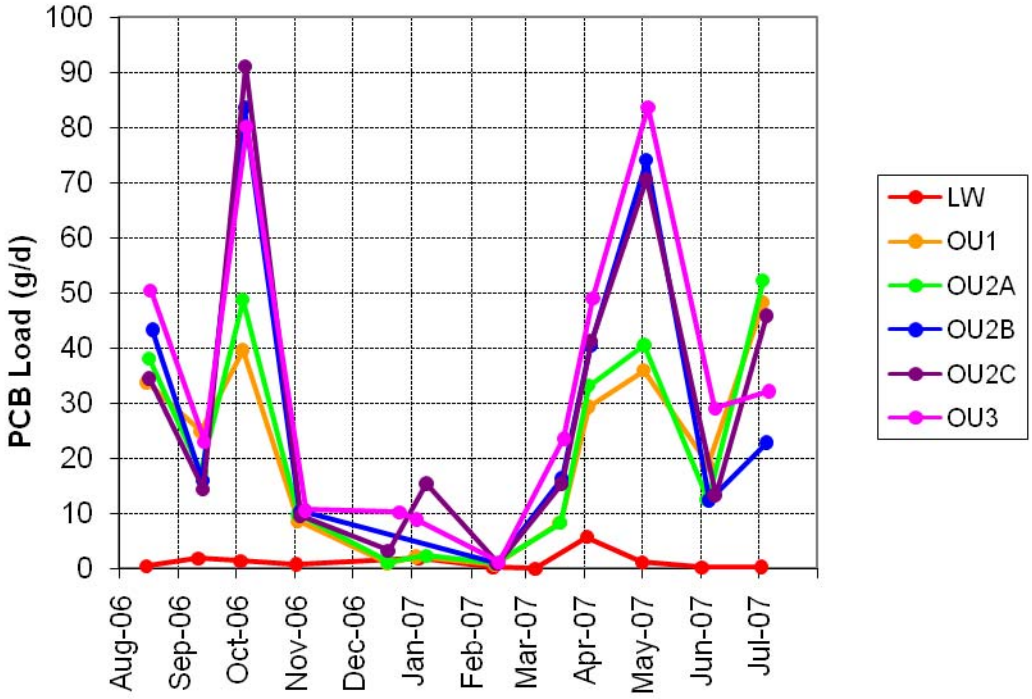

Figure 10. Daily calculated PCB load for all locations except OU4.

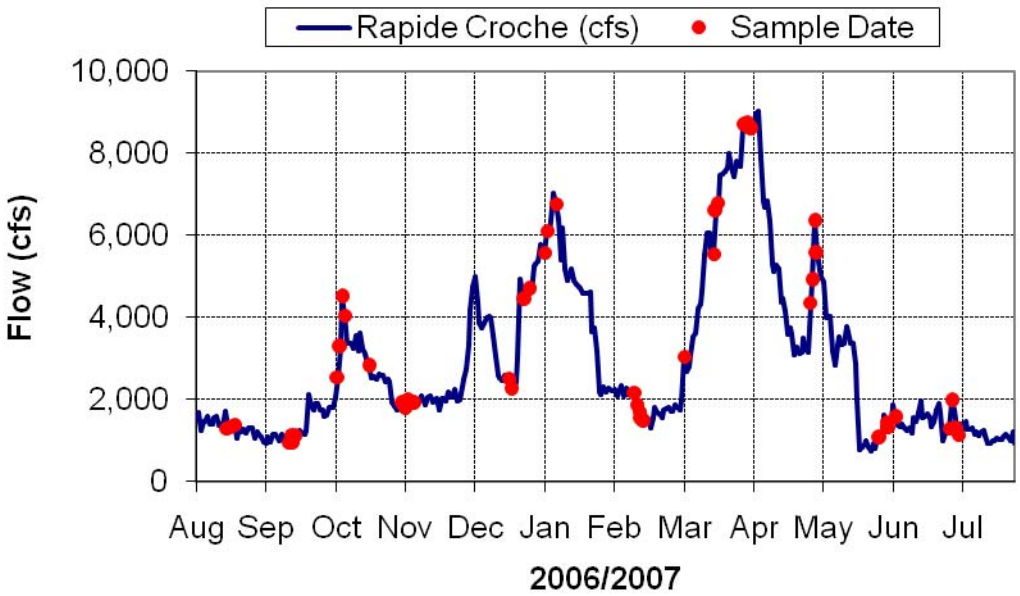

Figure 11. Average daily flow during PCB sampleing events.

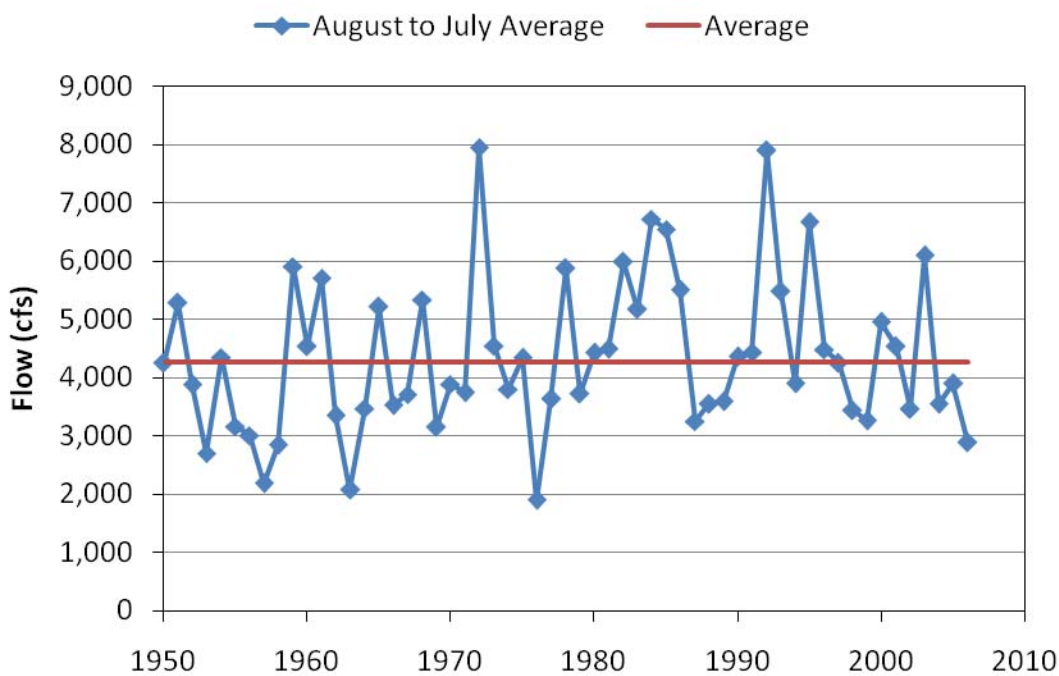

Figure 12. Average August to July daily flow from 1950 to 2006. The long term average for the period was 4,272 cfs.

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MEMORANDUM

DATE: May 15, 2008

FROM: John Wolfe and Ed Verhamme

PROJECT:

TO: Todd Thornburg, Anchor

CC:

SUBJECT: Fox River PCB Loads, with Winter/Nonwinter Stratification

This memo, which is an update of an earlier draft memo dated December 14, 2007, reports on additional water column load estimation, as a follow up to the November 28 monitoring work group meeting, to evaluate effects of stratification of winter months, defined as December – March inclusive. This analysis incorporates new blank corrections of PCB concentration data. Relative to the earlier draft memo, load estimates are very slightly higher.

Table 1 compares unstratified and stratified estimates of annual loads. The monitoring data set was manually stratified into winter (December – March) and nonwinter months (April – November). In computing stratified estimates for a portion of the year, the means, variances, and covariances of daily computed loads and flows that fall within that period were used. Table 1 shows that estimated annual loads and their associated RMSEs are slightly higher when the data are stratified, compared to unstratified estimates.

Table 1 also presents the component load estimates for the winter and nonwinter months. If winter sampling is to be suspended in the future, the nonwinter (April-November) component shown below would be the appropriate baseline against which to compare subsequent long-term monitoring load estimates for the April-November period.

Table 1. Annual load estimates, unstratified and stratified, including winter and nonwinter components

Load (kg/yr)	LW	OU1	OU2A	OU2B	OU2C	OU3	OU4
Unstratified	**0.46**	**6.65**	**6.81**	**10.01**	**8.70**	**9.84**	**51.59**
RMSE	0.12	2.38	2.64	3.42	3.19	3.34	17.93
Stratified	**0.48**	**7.21**	**7.62**	**9.29**	**9.59**	**11.20**	**58.19**
RMSE	0.16	2.63	2.74	3.67	3.33	3.58	20.33
Dec-Mar	**0.07**	**0.30**	**0.28**	**0.86**	**0.77**	**0.89**	**4.66**
RMSE	0.06	0.19	0.20	0.94	0.32	0.42	2.81
Apr-Nov	**0.41**	**6.92**	**7.34**	**8.43**	**8.82**	**10.32**	**53.53**
RMSE	0.10	2.44	2.55	2.74	3.01	3.15	17.52

Table 1 shows that the December-March load is a small fraction of the estimated annual load at each station, constituting less than 10% of the annual load in each case. The RMSE of the December-April load is also small in absolute terms at each station, i.e. less than 3 kg at OU4 and less than 1 kg at each other station. This indicates that uncertainty in the cold-weather loads is well bounded.

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If future long-term water column monitoring is limited to April-November, it is important to limit the resulting load estimates to that same 8-month nonwinter period, because using April-November data to impute winter concentrations would lead to an overestimate of loads. This is shown in Tables 2 and 3 below. Table 2 compares annual load estimates using the Beale's method, first using data from all 12 months and then using only data from April through November. Table 2 shows that estimating annual loads without winter data results in substantial overestimation of the annual load for each sampling station.

Table 2. Annual load estimates using all data, and using April-November data only

Load (kg/yr)	LW	OU1	OU2A	OU2B	OU2C	OU3	OU4
Using all data	**0.46**	**6.65**	**6.81**	**10.01**	**8.70**	**9.84**	**51.59**
RMSE	0.12	2.38	2.64	3.42	3.19	3.34	17.93
Apr-Nov data only	**0.61**	**10.30**	**10.93**	**12.55**	**13.14**	**15.37**	**79.75**
RMSE	0.15	3.64	3.80	4.07	4.49	4.70	26.10

Table 3 presents estimates of annual loads based on linear interpolations of monthly concentrations, first using all data, and then using only data from April through November. In the latter case, concentrations are linearly interpolated from the November sampling date through the April sampling date. Table 3 shows that interpolating concentrations while omitting winter data overestimates loads for each sampling station. This is because winter concentrations tend to be the lowest of the year.

Table 3. Annual load estimates using linearly interpolated daily concentrations, using all data and using April-November data only

Load (kg/yr)	LW	OU1	OU2A	OU2B	OU2C	OU3	OU4
Using all data	**0.40**	**6.67**	**6.89**	**8.05**	**8.47**	**10.08**	**54.68**
Apr-Nov data only	**0.54**	**8.12**	**8.58**	**9.26**	**9.83**	**11.66**	**63.38**