



**U.S. DEPARTMENT OF COMMERCE**

**National Oceanic and Atmospheric Administration**  
NATIONAL OCEAN SERVICE  
OFFICE OF OCEAN RESOURCE CONSERVATION AND ASSESSMENT  
HAZARDOUS MATERIALS RESPONSE AND ASSESSMENT DIVISION  
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8 August 1997

*To: Tom Wentland  
Annex.  
From Tom Aartila*

Steven J. Padovani  
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Chicago, IL 60604

Dear Mr. Padovani:

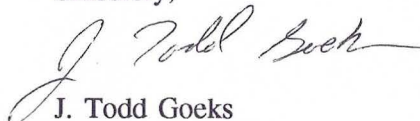
RE: Final Aquatic Ecological Risk Assessment Work Plan, Sheboygan River and Harbor  
Superfund Site

Per your request, the National Oceanic and Atmospheric Administration (NOAA) has prepared an aquatic ecological risk assessment (ERA) work plan for the Sheboygan River and Harbor site. Appendices to the work plan include the finalized problem formulation, the QAPP, and the health and safety plan. The summary data tables we previously discussed are included in Appendix A, the finalized problem formulation. In finalizing the workplan, NOAA received many constructive comments from the Wisconsin Department of Natural Resources (WDNR).

Field work will begin Monday August 11 and will extend through approximately August 22. WDNR will be assisting with both logistical and personnel support. NOAA will arrange analyses of earthworm tissue, collected under the separate EPA floodplain assessment on a pass-through cost basis as we discussed.

NOAA appreciates the opportunity to provide assistance on the Sheboygan River and Harbor site and looks forward to maintaining the cooperative relationship with EPA and WDNR toward our mutual goal of protecting and restoring the Nation's natural resources. Please feel free to contact me at (312) 886-7527 if you would like to discuss any aspect of the workplan or if I can provide any clarification or additional information.

Sincerely,

  
J. Todd Goeks  
Coastal Resource Coordinator

cc: Jay Field, Mary Matta - NOAA  
Linda Talbot, WDNR (for distribution to Madison WDNR)  
Tom Aartila, WDNR (for distribution to Milwaukee WDNR)  
Robert Paulson, Marsha Jones - WDNR  
Steve Padovani, Jim Chapman - US EPA, Region V  
Berit Bergquist, Sandra Salazar, Jim Starkes - EVS  
Ken Stromborg, USFWS



August 1997

*Sheboygan River and Harbor*

# **AQUATIC ECOLOGICAL RISK ASSESSMENT WORK PLAN**

**PREPARED FOR:**

**U.S. EPA Region 5**

*Chicago, Illinois*

**PREPARED BY:**



**ENVIRONMENT  
CONSULTANTS**

*Seattle, Washington*

and



**National Oceanic and  
Atmospheric Administration**

*Seattle, Washington*



# Sheboygan River and Harbor Aquatic Ecological Risk Assessment

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## WORK PLAN

.....  
**Prepared for**

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Chicago, Illinois 60604

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**Prepared by**

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2/575-37

.....  
**AUGUST 8, 1997**

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## LIST OF ACRONYMS

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<b>ANOVA</b>	analysis of variance
<b>AVS</b>	acid volatile sulfide
<b>Axys</b>	Axys Analytical Services
<b>BBL</b>	Blasland, Bouck & Lee, Inc.
<b>CMD</b>	Classical multi-dimensional scaling
<b>ERA</b>	ecological risk assessment
<b>EVS</b>	EVS Consultants, Inc.
<b>HSP</b>	health and safety plan
<b>NOAA</b>	National Oceanic and Atmospheric Administration
<b>PAH</b>	polycyclic aromatic hydrocarbon
<b>PCB</b>	polychlorinated biphenyl
<b>PEL</b>	probable effects level
<b>PRP</b>	potentially responsible party
<b>PVC</b>	polyvinyl chloride
<b>QA</b>	quality assurance
<b>QAPP</b>	quality assurance project plan
<b>QC</b>	quality control
<b>ROC</b>	receptor of concern
<b>SEM</b>	simultaneously extracted metals
<b>TEL</b>	threshold effects level
<b>TOC</b>	total organic carbon
<b>USEPA</b>	U.S. Environmental Protection Agency
<b>WDNR</b>	Wisconsin Department of Natural Resources

# 1.0 INTRODUCTION

---

The purpose of this work plan is to describe the proposed aquatic ecological risk assessment (ERA) and associated sampling activities to be conducted at the Sheboygan River and Harbor site in Sheboygan, Wisconsin, for the U.S. Environmental Protection Agency (USEPA), Region V.

## 1.1 SITE BACKGROUND

The Sheboygan River and Harbor Superfund site is located in east-central Wisconsin, extending approximately 14 miles from slightly upstream of the Sheboygan Falls Dam to the river mouth and harbor at Lake Michigan. In 1977, the State of Wisconsin detected polychlorinated biphenyls (PCBs) during routine sampling of fish, resulting in the issuance of food consumption advisories in 1978. Since that time, PCBs have been detected at concentrations of concern in fish, wildlife, surface water, and sediments in the river and harbor. In 1987, the state issued an advisory against the consumption of wildlife in the area. The highest concentrations of PCBs were detected in sediment immediately downstream from the Tecumseh Products Company, a die-casting plant in Sheboygan Falls. From 1989 to 1991, sediment was removed from areas of the river most contaminated with PCBs in two rounds; lesser-contaminated sediments were armored. The first round of removals and armoring was done as part of the alternative specific remedial investigation (ASRI) process to pilot test remediation alternatives. The second round of removal actions was part of an emergency removal process to remove deposits where PCB concentrations posed risks to human health. Deposits containing elevated PCB concentrations are still present within the Sheboygan River system. This current ERA effort will be used, in part, to assess potential risks associated with these deposits.

In addition to PCBs, the river is contaminated with metals and polycyclic aromatic hydrocarbons (PAHs). Potential PAH sources to the river include a former coal gasification plant site located in Sheboygan. The Kohler Company landfill, which was designated as a federal Superfund site in 1984, is a potential source of metals. The Sheboygan River and Harbor were designated as a Superfund site in 1986, with three potentially responsible parties (PRPs) identified: Tecumseh Products Company, Kohler Company, and Thomas Industries. In 1990, Diecast Corporation was identified as an additional PRP.



## **1.2 RISK ASSESSMENT OBJECTIVES**

The objective of the proposed ERA is to evaluate risk posed to aquatic and piscivorous ecological receptors exposed to contamination in the Sheboygan River and Harbor. An additional objective of the ERA is to derive protective sediment concentrations for PCBs, PAHs, and specific metals for species at risk. The ERA is being prepared in accordance with the interim final USEPA guidance document for designing and conducting ERAs at Superfund sites (USEPA 1997).

Results from the problem formulation phase of the ERA are presented in a technical memorandum (Appendix A). Based on the problem formulation, selected receptors of concern (ROCs) are benthic invertebrates, three fish species (smallmouth bass, longnose dace, and white sucker), mink, and the great blue heron. The assessment endpoints are: 1) maintenance of a healthy and abundant benthic community in the Sheboygan River, 2) protection of fish species from adverse reproductive and other effects, and 3) protection of avian and mammalian piscivores from adverse reproductive and other effects. The measurement endpoint for protection of the benthic community will consist of a sediment quality triad of synoptic measures—bulk sediment chemistry, sediment laboratory bioassay testing, and benthic community structure analyses—at site-related and reference stations. The measurement endpoint for protection of fish will be the analysis of fish tissue for concentrations of PCBs and dioxins/furans associated with adverse effects, primarily reproduction. In addition, data from a recent site-specific study on white suckers (Schrank et al. 1997) will be discussed. With respect to the piscivore assessment endpoint, whole fish residue burdens will be used to model dietary exposures to mink and heron (Chapman, personal communication, 1997).

In addition, this work plan also proposes a caged bivalve investigation, which is not a measurement endpoint for the risk assessment. Instead, the results of this investigation will be used as baseline data to monitor for the bioavailability of contaminants in the Sheboygan River. These data may, however, be used in the risk assessment to evaluate relative bioavailability of contaminants at a specific location in the river and to provide estimates of potential exposure to other receptor species in the aquatic food web. USEPA is also considering an American Robin assessment, using earthworms to assess flood plain contamination, as part of a separate effort.

## **1.3 EXISTING DATA**

Extensive sampling has been conducted in the Sheboygan River as part of remedial investigations and numerous Wisconsin Department of Natural Resources (WDNR) studies. With the exception of data recently collected as part of a food chain study by

WDNR (Paulson and Jones 1997), the Schrank et al. (1997) study, and recent (1995 and 1996) Blasland, Bouck & Lee, Inc. (BBL), monitoring data, most previous sediment data will not be used for the ERA, as described in detail in the problem formulation (Appendix A). Existing site data that were evaluated for potential use during the problem formulation are summarized in Appendix A.

In addition, during a meeting at WDNR on July 17, 1997, several past or ongoing studies that would provide useful information on site species were discussed. Since these studies all provide valuable site information and perspective, they also will be discussed in the ERA.

## **1.4 PROJECT RESPONSIBILITIES**

NOAA will have lead responsibility for conducting the aquatic ERA, working in concert with USEPA and WDNR. Mr. Todd Goeks will be the primary NOAA representative, and Dr. Kathy Godtfredsen will be the EVS project manager. The ERA will be conducted with technical input from the WDNR and USEPA. Figure B-1 in the quality assurance project plan (QAPP) (Appendix B) shows the organizational structure and outlines the responsibilities of key team members.

NOAA will provide primary support for field sampling. A representative from WDNR also will be available to assist during fish sampling. WDNR will provide boats for field sampling and the equipment necessary for fish sampling; NOAA will provide all other field equipment. NOAA will be responsible for identifying sampling and analysis requirements to support the ERA. NOAA will ensure that appropriate samples are collected to represent the ranges of contaminant concentrations at the site and the distribution of habitat types that may be affected.

Field data proposed for collection as part of this work plan, as described in Section 3.0, as well as previous data collected by WDNR and others, will be used to perform the ERA. All data analyses and written reports will be prepared by NOAA. Dr. Jim Chapman of USEPA, in consultation with Dr. Kathleen Patnode of WDNR, will provide technical direction on the piscivore assessment.

## **1.5 REPORT ORGANIZATION**

This work plan describes the study design and rationale (Section 2), provides details of the field sampling and sample analysis program (Sections 3 and 4), discusses the proposed data analysis approach for the ERA (Section 5), and provides a list of



deliverables and a schedule for the project (Sections 6 and 7). The problem formulation, which is provided as a technical memorandum in Appendix A, includes the conceptual model for the site, discusses assessment and measurement endpoints, and provides summary tables of data reviewed. The QAPP, which is provided in Appendix B, describes field and laboratory quality assurance/quality control (QA/QC) procedures, provides data quality objectives, details laboratory protocols, and outlines procedures used to ensure that data are valid. Appendix C is the health and safety plan (HSP), which presents details and procedures for protecting personnel during field activities and provides an emergency response plan.

## 2.0

# STUDY DESIGN AND RATIONALE

---

In addition to the existing data that will be used in the ecological risk assessment (see Section 1.2), three new studies are proposed in this Work Plan. The new studies include a sediment triad analysis, a fish bioaccumulation study, and an *in situ* field study with caged bivalves. The triad analysis will provide site-specific information related to the health of the benthic community. The fish study will involve the collection of juvenile smallmouth bass for whole body analysis of PCB congeners, dioxin and furan compounds, and lipids (longnose dace and white sucker will be addressed using data from the food chain study). Both the triad study and the fish analysis are measurement endpoints identified in the problem formulation for the ecological risk assessment (Appendix A). In the bivalve study, bivalves will be deployed to assess the bioavailability of contaminants within the Sheboygan River at certain locations and to potentially provide estimates of exposure to other receptors in the aquatic food web. The bivalve study will supplement fish tissue data, which together will serve as a baseline for future monitoring at the site.

The overall design of the three new studies is presented in Figure 2-1, which shows the locations of proposed sampling locations, and in Table 2-1, which summarizes the chemical and biological analyses proposed for the samples.

The following subsections describe the study design, rationale, and station location strategy for each of the three field components.

### 2.1 SEDIMENT QUALITY TRIAD

The sediment quality triad, originally developed by Long and Chapman (1985), is an integrated, effects-based approach to characterizing sediment quality and consists of the following synoptic measures:

- Chemical concentrations in the sediment
- Biological effects under controlled (laboratory) conditions
- *In situ* biological effects

As applied in this study, the sediment quality triad will integrate the individual measures of sediment chemistry, sediment toxicity, and the in-field measure of benthic community structure into a holistic evaluation of benthic community health. All three measures are

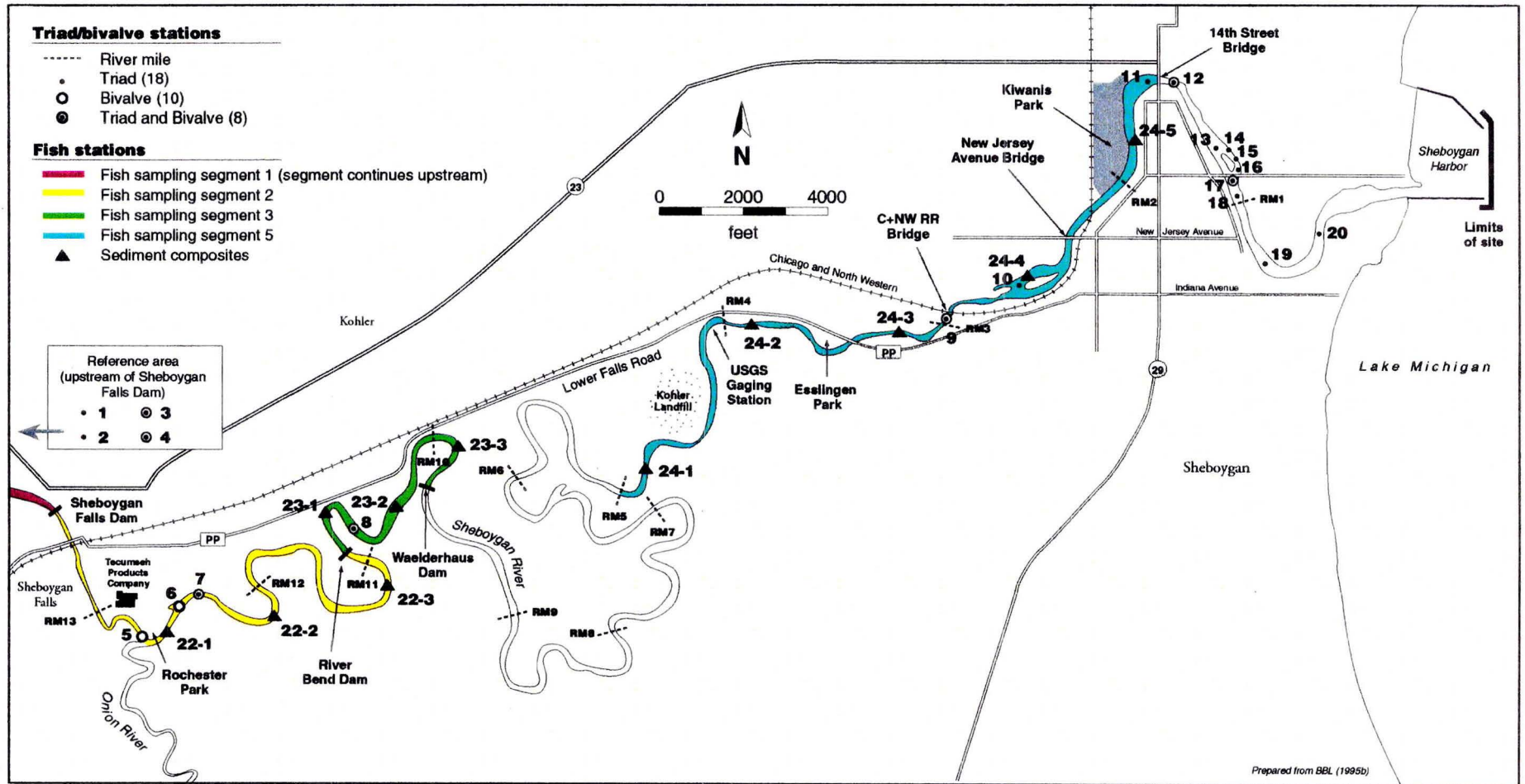


Figure 2-1. Location of triad/bivalve and fish stations at the Sheboygan River and Harbor site

**Table 2-1. Parameters for chemical and biological analysis**

	TRIAD	FISH ASSESSMENT		CAGED BIVALVES	
		SEDIMENT GRAB <sup>a</sup>	SEDIMENT COMPOSITE <sup>b</sup>	FISH TISSUE COMPOSITE <sup>c</sup>	SEDIMENT GRAB
<b>Analytes</b>					
Metals <sup>e</sup>	18 (2)			9(1)	30
Pesticides <sup>f</sup>	18 (2)			9(1)	30
Total PCBs	18 (2)			9(1)	30
PAHs <sup>h</sup>	18 (2)			9(1)	30
PCB congeners <sup>i</sup>		14	12		
Dioxins/furans <sup>i</sup>		14 <sup>i</sup>	12 <sup>i</sup>		
<b>Conventional Parameters</b>					
Grain size	18(2)	14		9(1)	
Total solids	18(2)	14		9(1)	
Percent moisture			12		30
Total organic carbon	18(2)	14		9(1)	
SEM/AVS	18(2)				
Percent lipids			12		30
<b>Biological Parameters</b>					
Benthic Community Analysis	18				
Amphipod Bioassay	18				
Chironomid Bioassay	18				

NOTE: Number of field duplicate samples in parentheses.

- <sup>a</sup> Seven of the triad and caged bivalve stations are co-located; only one sediment grab, to be used for both analyses, will be collected at these stations.
- <sup>b</sup> Three composite samples each at Segments 1, 2, and 3; five composite samples at Segment 5.
- <sup>c</sup> Three composite samples each at Segments 1, 2, 3, and 5.
- <sup>d</sup> Three replicate composite samples at each of 9 stations, plus three replicate composites at T<sub>0</sub>.
- <sup>e</sup> Arsenic, cadmium, chromium, copper, lead, nickel, silver, and zinc
- <sup>f</sup> Analysis of dioxins/furans will be conducted using a phased approach and may not be analyzed in all samples if the concentrations are less than the detection limits in the first round of analysis.
- <sup>g</sup> Gamma-BHC Lindane, Heptachlor epoxide, dieldrin, p,p'-DDE, endrin, p,p'-DDD, p,p'-DDT, Chlordane, total DDT.
- <sup>h</sup> Acenaphthalene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benz(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, naphthalene.
- <sup>i</sup> See Table B-2 for a complete listing of PCB congeners and dioxin and furan components.



useful since the composition of the benthic community can be altered by the presence of chemical contamination and by a number of natural conditions such as habitat, current velocity, light penetration, temperature, and substrate type, as well as by non-chemical anthropogenic impacts such as dredging. The sediment quality triad will also be used to estimate protective sediment concentrations for benthic species, to the extent possible (see Section 5.3.1).

Sediment exhibiting elevated chemical concentrations is an indication that an area has been affected by anthropogenic activities. Toxicity in a laboratory toxicity test is an indication that under controlled conditions, the concentration and form of the contaminants can disrupt biological systems. Synoptic measurable alterations in the benthic community structure are an indication that the contaminants are in fact causing effects under field conditions. Sediments that demonstrate a high degree of concordance among all three measures are considered to have degraded sediment quality, which poses a risk to the benthic community due to chemical contamination, and may inversely impact higher trophic-level species that rely on the maintenance of an abundant and diverse benthic community for food.

Because of the multiple factors that can affect the benthic community in an area, the triad approach is best suited to identify areas with poor sediment quality. Although not specifically intended to identify site-specific concentrations of contaminants in sediment associated with benthic effects in an area, data from the triad may also be used to estimate protective sediment concentrations for a variety of contaminants, provided correlations between concentrations of these substances and biological effects are observed.

Eighteen triad stations are proposed at the site, including four reference stations (Figure 2-1). Stations were positioned in an effort to separate the effects of PCBs, metals, and PAHs (see Section 2.4.1), although the patchy distribution of these substances may result in less differentiation than hoped. In addition, only depositional areas are targeted for sampling. Riffle areas were not selected because they do not occur in downstream areas where the concentrations of metals and PAHs are elevated.

Sediment samples will be analyzed for total PCBs, selected pesticides, selected metals, PAH compounds, acid volatile sulfides (AVS), simultaneously extracted metals (SEM), grain size, total solids, and total organic carbon (TOC) (Table 2-1). Two separate bioassays will be performed on sediment from each triad station using the chironomid *Chironomus tentans* and the amphipod *Hyalella azteca* because these species have been shown to have differential sensitivities to metals and PAH compounds (Dillon pers. comm. 1997). Endpoints for each of these bioassays will be survival and growth. Five grab samples of sediment collected at each triad station will be screened to collect, identify, and enumerate the benthic macroinvertebrate community. Metrics for the

benthic community analysis will include total abundance, taxa richness, percent oligochaetes, percent chironomids, and number of chironomid taxa/total taxa.

## 2.2 FISH ASSESSMENT

Concentrations of contaminants in fish are an important piece of information to assess the bioavailability of contaminants as well as specific fish exposure, determine whether adverse impacts to fish may occur, and evaluate the potential risks to piscivorous species. The intent of this round of sampling is threefold:

- Provide the information needed for the toxic equivalency concentration calculation (Walker and Peterson 1991; Zabel et al. 1995) (dioxin and furan compounds, as well as lower detection limits for coplanar and monoortho PCB congeners than those obtained in the food chain study)
- Update the data obtained for the WDNR food chain study in 1994 (WDNR 1995)
- Provide estimated data for fish species sampled during the food chain study but not this study through the use of congener ratios for congeners with concentrations that were below the detection limits and for dioxin and furan compounds

Juvenile smallmouth bass will be collected from four segments of the river as defined in the WDNR work plan (1995): Segments 1, 2, 3, and 5 (Figure 2-1). This species was selected because although the adult smallmouth bass contained the highest concentrations of nine important PCB congeners (BZ numbers 77, 105, 118, 126, 156, 157, 167, 170/190, and 180) of the three fish species and two age classes analyzed in the food chain study, the juveniles are likely to have much higher site fidelity (Jones and Aartila, pers. comm. 1997). Thus, links to sediment would be more defensible.

Three whole body composites, each consisting of three to five individual smallmouth bass, will be collected from each of the segments and submitted to Axys Analytical Services, Sidney, BC, Canada (Axys) for analysis of dioxins, furans, PCB congeners, and total solids (Table 2-1). Fish homogenates will also be analyzed for lipids.

The dioxin/furan analysis will use a phased approach. Upon submittal of tissues and sediment to the laboratory, only the three fish tissue composites from Segment 2, which contain the highest PCB concentrations in the sediment, will be analyzed for dioxins and furans. All samples will be analyzed for PCB congeners. If the fish tissue composites

from Segment 2 do not contain dioxin and furan concentrations greater than detection limits, then the other tissue and sediment composite samples will not be analyzed for dioxins and furans. Fish composites will be collected by sampling fish using the same techniques and capturing the same size fish (optimally 8 to 10 cm), at the same locations as those in the food chain study (WDNR 1995) to make the data most comparable.

Three to five sediment composite samples will also be collected from each segment, depending on the segment length, for a total of 14 sediment composite samples. Specifically, Segments 1, 2, and 3 will be subdivided into three reaches, and Segment 5 will be subdivided into five reaches. Each sediment composite sample will be a mixture of three samples selected from depositional sediment areas within each subsegment for a total of 42 sediment sampling locations. Sample locations will not be based on known historic contaminant concentrations. Instead, the compositing scheme is designed to spatially average the exposure conditions likely experienced by smallmouth bass so that sampling preference will be given to areas where juvenile smallmouth bass are more likely to feed. Although smallmouth bass may also reside and feed in riffle areas, these areas have not been selected for sampling because the concentrations of PCBs in these areas are likely to be much lower than concentrations in the depositional areas.

The sediment composites will be analyzed for the same dioxins, furans, and PCB congeners as the fish tissue. They will also be analyzed for TOC, grain size, and total solids.

### **2.3 CAGED BIVALVE STUDY**

A biomonitoring program will measure the concentration of the selected substances in the tissues of caged bivalves to determine the bioavailability of PCBs, metals, PAH compounds, and pesticides at selected locations within the Sheboygan River. Caged bivalves will be transplanted to areas of concern and to up to two reference areas and then retrieved after a 60-day exposure period, which is sufficient time for the organisms to accumulate bioavailable contaminants and respond to exposure conditions (Bergen et al. 1996). *Lampsilis* spp. will be collected in the Wisconsin River for all deployments.

Mussel studies provide site-specific contaminant bioavailability information for specific locations over a known time interval for all three types of contaminants at the site (including PCBs, PAHs, and metals/metalloids). Data from the caged bivalve study will be used in two ways. First, the study will assess the bioavailability of contaminants of concern under present conditions to provide a basis for assessing the success of clean-up strategies. The deployment will provide a baseline for comparison to data from future deployments. Future deployment may be useful to evaluate the effectiveness of any

remedial activities. Second, the baseline caged bivalve study results will be useful for the ERA because it will provide data related to the bioavailability of these contaminants for qualitative use in the exposure assessment.

Caged bivalves will be deployed at 9 stations within the Sheboygan River (Figure 2-1) as follows: 2 stations in Segment 6 in the lower river; 1 station in Segment 5; 1 station in Segment 3 between River Bend and Waelderhaus Dams; 3 stations in Segment 2 below the Tecumseh facility; and up to 2 reference stations above Sheboygan Falls Dam. Seven of the 9 stations will be co-located with sediment triad stations. After a 60-day exposure period, bivalve tissue will be analyzed for total PCBs, PAHs, selected metals, selected pesticides, percent lipids, and percent moisture (Table 2-1). Tissues retrieved from stations within the areas of concern will be compared to the two reference stations and the initial values indicated by the  $T_0$  background measurements ("clean" bivalves analyzed after initial collection before deployment activities).

## **2.4 STATION SELECTION STRATEGY**

Figure 2-1 presents the proposed sampling station locations. This section describes the specific rationale for each station selected.

### **2.4.1 Triad Stations**

Sediment from targeted depositional areas will be collected for the triad analyses from Segments 1, 2, 3, 5, and 6 as shown on Figure 2-1. With regard to the three types of contaminants found in the river, the focus of the triad will be on areas with elevated PAH concentrations. Metals are less likely than PAHs to cause benthic impacts in the Sheboygan River because the concentrations of metals relative to screening guidelines have been much lower than those of PAHs (Appendix A). Areas with high concentrations of PCBs were not prioritized because the PCBs areas will likely be remediated for the protection of higher-trophic-level species rather than benthic species. Therefore, only a limited number of stations were selected to examine potential impacts from elevated PCBs and metals. These stations were chosen because they represent the highest concentrations of these contaminants measured to date in areas where the concentrations of the other two types of contaminants were low. Data from these stations may be useful in interpreting data from stations where all three types of contaminants are elevated.

Historic stations selected for examination of PCB effects are near the food chain study's Station 2A and Area 35, which is near Station S3. These stations were selected in consultation with Mr. Tom Aartila, WDNR, based on his knowledge of depositional areas



likely to have high PCB concentrations and also be amenable to triad sampling: Metals and PAHs are likely to be low at these stations based on their overall distribution in this segment of the river. For this study, the new stations located at historic Station 2A and S3 are designated as Stations 7 and 8, respectively, on Figure 2-1.

For determining the effects of metals, Stations R-73 and R-79 from the previous BBL (1990) study were selected and designated as Stations 9 and 10, respectively, for this study (Figure 2-1). At Station R-73, the concentrations of chromium, copper, lead, and nickel exceeded their freshwater probable effects levels (PELs); and cadmium, zinc, and mercury exceeded their threshold effects levels (TELs) (Appendix A). At Station R-79, lead and nickel exceeded their PELs and chromium, copper, and zinc exceeded their TELs. Although PAH concentrations have not been measured at these stations, they are probably low based on their overall distribution in the river (Appendix A). The concentrations of PCBs are somewhat elevated (6.6 and 14.4 mg/kg, dw, respectively at Stations R-73 and R-79). The relative effects from the PCBs will be assessed using all the triad data. High metals concentrations also have been measured near Station R-94, but PAH concentrations are also high at this station (30 times the TEL for total PAHs), and so it was not selected.

In addition to the 4 stations described above, 10 stations were selected to examine effects from PAHs. These stations were selected primarily in Segment 6, with one in Segment 5, to provide a range of PAH concentrations, and in an attempt to choose stations with relatively low concentrations of metals and PCBs. Stations 5A, 6A, 6C, 6D, 6DUPPAH, and 6E from the food chain study, historic Stations H12 and H15, and historic stations just downstream of the Pennsylvania Avenue Bridge and just upstream of the island near Camp Marina were selected to provide a range of total PAH concentrations from approximately 1 to 3500 mg/kg, dw. Based on the data available, PCB concentrations in this area were approximately 1 to 2 mg/kg, dw; none of the metals exceeded PELs; and only a few exceeded TELs, with one exception. At the station just downstream of the Pennsylvania Avenue Bridge, copper, lead, and nickel exceeded their PELs at Station R-96. Nevertheless, this station was selected since the total PAH concentration of 63 mg/kg, dw, was the second highest total PAH concentration available. The PAH stations were designated as 11 through 20 in this study (Figure 2-1).

A total of 4 reference stations will be located upstream of the Sheboygan Falls Dam: 1 will be located just upstream of the dam, and the other 3 will be located upstream of the Sheboygan Falls Dam based on the sediment types collected from Segments 2, 3, 5 and 6. Their exact locations will be determined in the field in consultation with WDNR.

## **2.4.2 Fish and Sediment Stations**

As described in Section 2.2, fish will be sampled at the same locations as those in the food chain study to make the data comparable. They will be collected in Segments 1, 2, 3, and 5.

Sediment will be collected in these 4 segments as well, for a total of 14 composite samples. Each composite sample will consist of 3 subsamples. Within each subsegment, depositional areas will be sampled to spatially average the exposure conditions experienced by smallmouth bass, as described in Section 2.2. Exact locations for subsamples will be made in the field in consultation with WDNR based on the locations of known deposits and known smallmouth bass habitat.

Reference fish and 3 composite sediment samples will also be collected in Segment 1, upstream of the Sheboygan Falls Dam.

## **2.4.3 Caged Bivalve Stations**

A total of 9 caged bivalve stations will be located in the Sheboygan River: 7 within the areas of concern and 2 reference stations upstream of contamination as follows:

- 2 stations in Segment 6 in the lower river (Stations 12 and 17)
- 1 station in Segment 5 between Waelderhaus Dam and Kiwanis Park (Station 9)
- 1 station in Segment 3 between the Waelderhaus and River Bend Dams (Station 8)
- 3 stations in Segment 2 between the Tecumseh facility and River Bend Dam (Stations 5, 6, and 7)
- 2 reference stations above the Sheboygan Falls Dam (Stations 3 and 4)

The caged bivalve stations will be concentrated in areas of sediment contamination and, when possible, co-located with sediment triad stations to save field time and sediment analysis costs. Where bivalve and triad stations are not co-located, sediment samples will be collected at the deployment sites.

Stations 12 and 17 will be located in Segment 6 downstream of River Mile 2. This is the area of the former coal gasification plant and currently is dominated by light industry and marinas. Sediment data indicate that PAHs are the primary contaminant of concern with several metals as a secondary concern. Station 17, located near the Pennsylvania Avenue

Bridge, is near the site of severe PAH contamination in sediments and will be used to monitor the bioavailability of these contaminants. Station 12 is located near the 14th Avenue Bridge in an area of mid-level contamination of sediments by PAHs and several metals.

Station 9 will be located in Segment 5 near River Mile 3 and historical Sediment Station R73. This area had the highest measured metals concentrations. Station 8 will be located in Segment 3 between the Waelderhaus and River Bend Dams. Historically, depositional areas contaminated with moderate to high concentrations of PCBs have been observed in this segment of the river. Stations 5, 6, and 7 will be located in River Segment 2, downstream of the Tecumseh Products Company, believed to be the primary source of PCBs in the river. Station 5 will be located in an area where high PCB concentrations have been found in recent sediment traps; Station 6 will be located near Station 2D of the food chain study, where moderate concentrations of both PCBs and PAHs were observed; and Station 7 will be located where high concentrations of PCBs are suspected.

Stations 3 and 4 will be located above the Sheboygan Falls Dam upstream of the site. Only one reference station will be selected if conditions at onsite stations are relatively uniform and an additional reference station is not needed for comparison. These reference stations will determine if non-site-related sources are contributing contamination to the site.

## 3.0 FIELD SAMPLING METHODS

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The following sections detail sample collection methods, sample acceptability, sample handling/preservation, and field quality assurance.

### 3.1 SEDIMENT COLLECTION

Sediment samples will be collected with an Ekman grab sampler. Sediment samples collected for benthic community analysis will be sampled using a petite Ponar grab sampler. Regardless of the sampler used, the procedures to be followed after the sampler is on deck and the sample has been exposed are the same. The following procedures describe the deployment of sediment samplers from a boat. In addition, at locations with sufficiently shallow waters, these samplers will be deployed from a wading position.

Stations will be located through the use of stakes placed during a reconnaissance survey before sampling begins. During the sampling effort, stations will be revisited with a differential GPS (if available), or they will be positioned using protocols used by WDNR during earlier studies.

#### 3.1.1 Sample Collection and Containers

Surface sediment samples for chemical analysis and laboratory bioassays will be collected using a stainless-steel grab sampler. For this study, sediments from the 0- to 10-cm sediment horizon will be collected to determine the concentration of contaminants throughout the predominantly biologically active zone of the sediments. This depth was selected for consistency with the food chain study (WDNR 1995) and because it is a common sampling depth associated with biological activity.

The grab sampler will be operated by a crew of 2 or 3, depending on the type of sampler. Logbook entries should be made as necessary throughout the sampling process to ensure thorough recordkeeping. The general procedure for collecting sediment samples is as follows:

1. Maneuver the sampling vessel to the proposed sampling location.
- 2.A If using the Ekman grab sampler, use the following procedure:



- a. Cock open the sampler.
  - b. Guide the sampler overboard and lower until just above the bottom of the river.
  - c. Lower the sampler slowly to the bottom.
  - d. Trip the sampler.
  - e. Record the position.
  - f. Retrieve the sampler at a vertical speed of approximately 0.3 m/s.
- 2.B If using the petite Ponar grab sampler, use the following procedure:
- a. Guide the sampler overboard until it is clear of the side of the boat.
  - b. Lower the sampler through the water column to the bottom at a vertical speed of approximately 0.3 m/s.
  - c. Signal the location control person to record the position when the sampler reaches the bottom.
  - d. Trigger the sampler.
  - e. Retrieve the sampler, slowly and carefully.
3. Guide the sampler aboard the vessel, and place it on the work table on the deck, taking care to avoid any jostling that might disturb the integrity of the sample.
  4. Examine the sample for the sediment acceptance criteria presented in Section 3.1.2. If sample acceptance criteria are not achieved, the sample will be rejected. If unable to obtain a sample that meets the appropriate acceptance criteria within 15.2 m (50 ft) of the proposed location, investigate options for relocation and secure approval from the project manager for relocating the proposed sampling location.
  5. Siphon off any standing water from the surface of the sediment using a hose primed with site water. Be careful during siphoning not to disturb the integrity of the sediment surface.

6. If SEM/AVS is to be determined for the sample, collect the sample using a decontaminated stainless-steel spoon before removing and homogenizing the sample. Place the sample into one 1.5-oz pre-cleaned glass sample container (leave no headspace), close the container, wipe it off, and place it in a cooler for temporary storage.
7. Collect the upper 10 cm of contents from the sampler using a stainless-steel scoop or equivalent implement. Take care not to include any material that has been in contact with any interior sampler surface. Place sediment into an appropriate-sized high-density polyethylene bucket or stainless-steel bowl, as volume dictates.
8. Thoroughly rinse the interior of the sampler until all loose sediment has been washed off.
9. Repeat the sampling process until sufficient sediment volume is obtained to satisfy the sampling requirements for the station. Collect successive grab samples within a radius of 3 m of the initial sampling location.
10. Place a latching cover over the bulk sediment container, label it with the station number, and set it aside for later transfer to shore and subsequent homogenization and distribution to sample containers.
11. Thoroughly decontaminate the sampler by following the procedure in Section 3.5.
12. Ensure that all logbook entries are complete.
13. Proceed either to the next proposed sampling location or to shore to unload bulk sediment containers.

Onshore handling procedures are as follows:

1. Homogenize the bulk sediment with a heavy-duty, variable-speed drill with stainless-steel stirring paddle if in a bucket or by hand if in a bowl until the sediment appears uniform in color and texture.
2. Distribute the homogenized sediment to appropriate sample containers according to the sample requirements identified in Table 3-1 and ensure that sample labels are completely filled out and affixed to the containers.

3. Clean the exterior of all sample containers and store them in a cooled ice chest.

**Table 3-1. Sample volume and containers for each sample collected for the Sheboygan River ERA**

SAMPLE MATRIX	ANALYSIS	QUANTITY	CONTAINER SIZE	TYPE	FIELD PRESERVATIVE	LABORATORY
Surface sediment	Metals	1	8 oz	glass	4 °C	ARI
	TOC	taken with metals	na	glass	4 °C	ARI
	Grain size	1	8 oz	glass	4 °C	ARI
	Pesticides, PAHs, total PCBs	2	8 oz	glass	4 °C	ARI
	SEM/AVS	1	1.5 oz	glass	4 °C zero head space	ARI
	PCB congeners	1	8 oz	glass	4 °C	Axys
	Toxic PCB congeners	taken with PCB congeners	na	glass	4 °C	Axys
	Dioxins/furans	taken with PCB congeners	na	glass	4 °C	Axys
	Amphipod bioassay	1	64 oz	glass	4 °C	EVS
	Chironomid bioassay	1	64 oz	glass	4 °C	EVS
	Benthic community analysis	5	32 oz	glass	10-20% buffered formalin	EVS and Eco-Analyst
Bivalve tissue	Metals	1	8 oz	glass	4 °C	ARI
	Pesticides, PAHs, total PCBs	1	8 oz	glass	4 °C	ARI
Fish tissue	PCB Congeners	1	na	Hexane rinsed foil in ziplock bag	4 °C	Axys
	Toxic PCB congeners	taken with PCB congeners	na	Hexane rinsed foil in ziplock bag	4 °C	Axys
	Dioxins/furans	taken with PCB congeners	na	Hexane rinsed foil in ziplock bag	4 °C	Axys

NOTE: na - not applicable

During field activities, there may be contingencies that require modification of the general procedure outlined above. Modifications of procedures will be at the discretion of the field coordinators. All modifications will be recorded in the appropriate logbook.

### **3.1.2 Sample Acceptability and Field Quality Assurance**

Only those grab samples that meet the following acceptability criteria will be retained for analysis:

- The sediment does not contain large foreign objects
- The sampler is not overfilled, which would cause the sediment surface to press against the top of the sampler
- The sampler is not leaking (there is overlying water and no visible leaks)
- The sample is not disturbed (overlying water shows little or no turbidity)
- The sample has not been winnowed (sediment has a relatively flat surface)
- The penetration depth is at least 10 cm for sediment to be composited for chemical analyses and bioassays

### **3.1.3 Sample Handling and Preservation**

The preservation of samples intended for analysis for total sulfides is described in Step 6 of the sediment sample collection procedure. If sample containers are filled aboard the sampling vessel, they will be stored aboard the boat in coolers with ice or blue ice prior to unloading to shore. On shore, prior to shipping to the analytical laboratory, filled sample containers will be maintained in coolers with ice or frozen blue-ice packs or, if available, inside a suitable refrigerated storage facility.

## **3.2 BENTHIC MACROINVERTEBRATE COLLECTION**

### **3.2.1 Sample Collection and Containers**

Sediment samples for benthic community analysis will be collected concurrently with sediment samples using a petite Ponar grab sampler. Five grab samples will be collected; these samples will not be composited. For each grab, the sample will be sieved using site water and retained on a 0.5-mm mesh screen. Up to four samples also will be sieved using a 0.25-mm screen for comparison. An end-of-line filter will be attached to the site



water hose to prevent water column organisms (e.g., phytoplankton/zooplankton) from contaminating the benthic samples during sieving. Any biota or debris remaining on the screen will be placed in a glass jar for analysis. Table 3-1 lists sample container requirements for benthic community analysis samples. The sample collection/preparation procedures are as follows:

1. Deploy the sampler as described in Section 3.1.1, Steps 1 through 5.
2. If the sample meets acceptability criteria as indicated in Section 3.1.2, carefully empty the sample, including the overlying water, which is not siphoned off, into a 0.5-mm sieve box.
3. Use filtered site water to gently flush the small-grain sediment matrix through the sieve; it is important to keep one corner of the sieve box clean of sediment so that water in the box does not overflow.
4. Transfer the organisms and debris left behind on the screen by spoon and tweeter to an internally and externally labeled plastic sample container.
5. Fill the sample jar no more than two-thirds full with organisms and debris and then fill with a 10-20 percent buffered formalin solution; samples with very high organic debris content require the higher (20 percent) formalin concentration.
6. Tightly attach the lid and gently invert the sample jar repeatedly to ensure proper mixing of the sediment with the formalin solution.
7. Log the sample on the chain-of-custody form and store at room temperature in a cooler or other container that will protect it from breakage.

### **3.2.2 Sample Acceptability**

Benthic community sediment samples will be accepted according to the criteria for acceptance of samples outlined in Section 3.1.2. Manually collected specimens will be inspected for physical damage, and those not intact will be rejected.

### **3.2.3 Sample Handling and Preservation**

Samples of benthic macroinvertebrates to be used for benthic community analysis will be preserved as described in Section 3.2.1. Each sample jar will be sealed, and a sample identification label will be affixed to the jar and covered with clear tape. Internal labels also will be affixed. A tag number will be attached to each container. Upon receipt of samples at the laboratory, the formalin will be replaced with 70 percent alcohol.

### **3.3 FISH COLLECTION**

#### **3.3.1 Fish Sample Collection**

Juvenile smallmouth bass of uniform size (optimally 8 to 10 cm) will be collected from Segments 1, 2, 3, and 5 for chemical analysis of whole body tissues. Three tissue samples will be submitted for chemical analysis per segment; each sample will be a composite of 3 to 5 fish. Therefore, between 36 and 60 individual specimens will be collected from the river segments for a total of 12 composited samples for chemical analysis.

Procedures for collecting fish will closely follow those used in the Sheboygan River Food Chain Study. Fish will be collected using a direct current stream electroshocker approved by WDNR; all safety precautions will be followed (see Health and Safety Plan in Appendix C). Because the mobility of the species would allow it access to all portions of the river segment, fish sampling will not occur at discrete stations but rather throughout each segment. Depending upon water height and flow, each river segment will be walked or boated, and potential smallmouth bass habitats will be electrofished. A boat may be necessary to collect fish in parts of Segment 5 because of the depth and width of the river. After the bass have been stunned by the electroshocker, they will be netted and placed in a holding tank containing segment water.

When a shocking run is completed on a river segment, specimens will be sorted and processed. Fish lengths and weights will be recorded, and uniform-sized fish will be selected for the composites. Whole fish will be wrapped in hexane-rinsed aluminum foil and double-bagged in plastic bags with labels on each bag. Wrapped and labeled fish will be placed in a cooler with blue ice for transportation. Samples will be kept frozen at the laboratory until they can be processed for chemical analysis. Latex gloves will be used when handling the fish to avoid contaminating samples.

#### **3.3.2 Sample Acceptability**

Whole fish will be inspected for lacerations or other damage that might have occurred during collection. Fish with lacerations or other damage that breaches the integrity of the skin will be rejected to avoid the potential of introducing contamination from an outside source.

### 3.4 CAGED BIVALVE DEPLOYMENT AND RETRIEVAL

The mussel species to be used in this study will be either *Lampsilis cardium* or *Lampsilis siliquoidea*. These species will be collected in the Wisconsin River. Table 3-2 presents the optimal size range for these species.

**Table 3-2. Candidate species for the caged bivalve study**

SPECIES	SIZE RANGE (mm)	ESTIMATED TISSUE MASS (g wet weight)	NUMBER NEEDED PER REPLICATE
<i>Lampsilis cardium</i> (mucket)	40-60	4	20
<i>Lampsilis siliquoidea</i>	40-60	4	20

After the initial collection activities are completed and before transplantation activities are initiated, a group of bivalves will be processed for tissue analysis ( $T_0$ , or background samples). Instead of being placed in mesh tubes for deployment, these bivalves will be kept in compartmentalized cages during the distribution process. These individuals will be of the same size range as the transplanted bivalves. After whole-animal wet weight (WAWW) measurements have been made, the tissues from the  $T_0$  bivalves will be removed and weighed; these tissue weights will be used as an estimate of soft tissue weight for all transplanted bivalves. The tissues from these bivalves will be analyzed for PCBs (Aroclors); PAHs, selected metals, pesticides; percent lipids; and percent moisture as an indication of initial tissue concentrations for all deployed bivalves.

#### 3.4.1 Handling and Sorting

Detailed attention will be given to the care and handling of the bivalves throughout the sorting, distribution, and deployment processes to ensure that all test animals are of high quality. Bivalves will be maintained within their optimum temperature range during all phases of the study. During the sorting process, bivalves will be held without water to eliminate the potential for oxygen depletion in the holding water. Once the initial sort is complete, bivalves will be put into water collected from the reference site to maintain optimum holding temperatures and to ensure the internal cavity between the shells is completely filled with water prior to weight determinations. Only live animals that are fully closed or those that close immediately upon stimulation will be used for this study.

The bivalves will be inspected for condition immediately upon receipt at the field laboratory. Dead and stressed individuals (i.e., those that are gaping or will not close their shells upon light physical stimulation) will be discarded. The remaining bivalves will be rough sorted based on shell size. After evaluating the size range of bivalves, specimens will be divided into five groups: extra small, small, medium, large, and extra

large. Only bivalves in the small, medium, and large size groups will be used for this biomonitoring study, unless there are insufficient numbers of individuals within these three size groups to meet the test requirements.

### **3.4.2 Mesh Tubes**

Mesh tubes made from plastic netting (approximately 10 cm in diameter and 2 m long; 1 cm mesh size) will be used to hold the bivalves during the deployment period. Bivalves will be situated in the mesh tubes with one individual per clump. Nylon cable ties will be used to separate individuals and prevent bivalves from shifting position in the tube. Care must be taken to ensure the cable tie is loose enough to move freely yet tight enough to keep the bivalves separated. It is essential that bivalves be evenly distributed in the tube so that all individuals have the same opportunity for exposure to bioavailable metals. The netting will permit optimum water circulation and exposure to environmental conditions; sufficient space will be provided in each clump to permit valve opening and movement by the animal. The "one animal per clump" approach will be used to allow for the measurement of growth effects on an individual-by-individual basis. Three mesh tubes will be prepared for each cage.

### **3.4.3 Distribution**

Starting with the small individuals, the bivalves will be distributed to the mesh tubes according to the process outlined in Salazar and Salazar (1997). To ensure selection of bivalves of a similar age group, only individuals greater than 10 g WAWW and less than 20 g WAWW will be used for this study. To ensure an even distribution of test animals among sites, all bivalves in a particular grouping will be distributed among the mesh tubes before utilizing bivalves from the next size group. Prior to performing the weight measurements, the bivalves will be maintained in water from the reference site. The bivalves will be blotted dry just prior to placement on the balance.

Each individual bivalve will be measured for WAWW (to the nearest 0.01 g) and shell length (to the nearest 0.1 mm) prior to placement in the mesh tube. These WAWWs will be recorded by hand on data sheets and electronically into a computer connected to the electronic balance.

After distribution, an analysis of variance (ANOVA) will be used to confirm that there is no statistical difference in size distribution (both WAWW and length) among stations. If the ANOVA indicates that a difference does exist, the appropriate multiple-range test will be used to identify the station, and the animals will be reallocated to achieve a more even distribution.

After all the mesh tubes have been filled, the mesh bags for each specific cage will be identified and secured together using a large nylon cable tie. The bivalves in the mesh tubes will be transported in an ice chest to the reference stations upstream of the site. The reference stations will be used as a staging area during deployment operations.

#### **3.4.4 Cages**

The mesh tubes containing bivalves will be secured to a 0.5-m by 1.0-m polyvinyl chloride (PVC) frame with large nylon cable ties. The individual mesh tubes will be separated by a minimum of 3 cm. The mesh tubes will be attached so that they are neither stretched taut nor have a large amount of slack. The PVC frames will be wrapped with rigid plastic mesh to discourage predators. Nylon cable ties will be used to secure the rigid mesh around the bivalve cage.

#### **3.4.5 Deployment**

A truck or van will be used to transport the cages from the reference stations to downstream sites on the Sheboygan River. Depending upon the height and flow of the river, deployment at the upper river stations will be conducted using a small boat or wading from the bank. Because of water depths, a boat may be necessary on the lower river at Stations 12 through 17. The caged bivalves will be situated directly on the surface of the sediments in the arrangement shown in Figure 3-1. Depending on the conditions encountered at each station, anchors, buoys, and shore lines will be used to secure the cages, as appropriate.

#### **3.4.6 Test Duration**

The caged bivalve study will be conducted during a 60-day period from August to October 1997.

#### **3.4.7 End-of-Test Measurements**

After the 60-day exposure period, the bivalves will be retrieved and transported to the reference station for an overnight (12- to 16-hour) depuration period. They will be suspended just below the water surface, sufficiently above the sediments to reduce the potential for sediment ingestion. The depuration period will allow the bivalves to purge the majority of their gut contents, which may include sediment. Although the bivalves will be placed directly on top of the sediments, they are filter feeders and primarily ingest

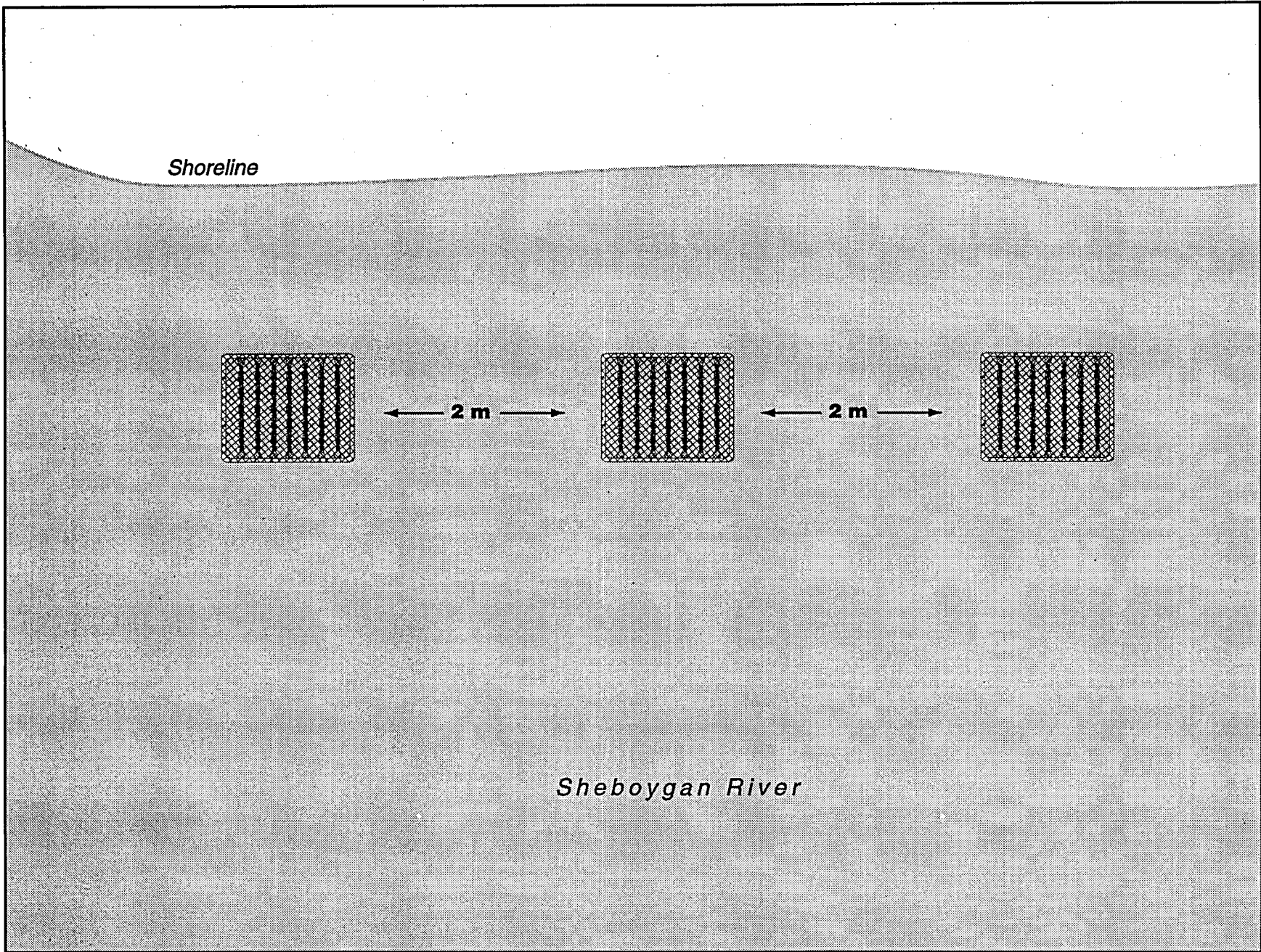


Figure 3-1. Mussel cage arrangement diagram

particulate material, such as plankton and suspended materials. Because of their proximity to the sediments, the bivalves will have the opportunity to ingest sediment particles during the exposure period. The depuration phase will take place at the reference site; all caged bivalves will be suspended above the sediments to eliminate the potential for the ingestion of additional sediments. An extended depuration period is not recommended because of the high potential for loss of accumulated metals from the bivalve tissues (Metcalf-Smith 1994). Although USEPA (1996) recommends against gut purging when a primary focus of the study is to determine the trophic transport of pollutants, an overnight depuration period is recommended in this study to minimize the potential for incorrectly characterizing contaminants as bioavailable. A longer depuration period is not recommended as the substances of concern may depurate from the tissues with extended exposure to clean conditions (Metcalf-Smith 1994).

After the depuration period, the bivalves will be removed from the water; the mesh bags will be removed from the PVC frames and placed in ice chests lined with ice and moist paper toweling. The bivalves will be transported to the field laboratory for end-of-test processing. All bivalves from one cage will be processed as a unit; compartmentalized trays will be used to hold bivalves after removal from the mesh bags to ensure maintenance of proper sequence. The bivalves will be measured for WAWW and shell length before the tissues are removed and weighed. During the measurement process, the compartmentalized trays containing bivalves will be placed in tubs containing water from the reference site. Plastic bags containing ice will be used to maintain cool water temperatures. Sufficient water will be put in trays to ensure that all bivalves are completely submerged. Water will be replaced with each new batch of bivalves being processed. After the measurements are made, the bivalves will not need to be placed in water, but instead will be placed on flat trays for the shucking process.

Tissues will be weighed on an individual basis. All equipment used during the shucking and weighing process will be decontaminated following the procedures outlined in Section 3.5. During the weighing process, the tissues will be placed on the aluminum pan in such a manner that the tissues remain separate and identifiable to facilitate remeasurement, if necessary. After tissues from all surviving bivalves for a given replicate have been weighed, they will be pooled for chemical analyses. If insufficient tissues are available at the end of the test to meet the analytical detection limits (provided in the QAPP), the detection limits will be modified to reflect the available tissue biomass. Tissues will be placed into certified-clean sample containers supplied by the analytical laboratory. The tissues will be frozen in their sample jars and then shipped to the analytical laboratory for processing. Sample jars will be wrapped with bubble-wrap or other protective material and packed into a cooler. A sufficient amount of blue ice will be packed around the sample jars to keep them frozen during shipment. An overnight courier service will be used to deliver the tissue samples to the analytical laboratory.



The WAWW, length, and tissue weight data will be recorded by hand on data sheets and electronically into a computer connected to the electronic balance.

### **3.4.8 Bivalve Measurements**

Precision and accuracy are fundamental to obtaining reliable, usable data. Precision is a measure of the reproducibility among individual measurements under similar conditions, or the ability to measure and find the same value time after time. Precision is assessed by performing multiple measurements for the parameters using the following approach. At the beginning and end of testing, for every 100 bivalves measured for weight, 5 bivalves will be remeasured. The remeasuring of bivalve weight occurs throughout the measurement process as each group of 100 individuals is processed to ensure that all measurements are within the acceptable limits. A 10 percent variance in whole-animal weight ( $\pm 5$  percent) is the proposed limit. If the results of the remeasurements fall outside of these limits, the previous batch of 100 individuals will be remeasured.

Accuracy is an expression of the degree to which a measured or computed value represents the true value, or the ability of the measuring device to provide the true value. The accuracy of the measuring devices will be determined according to the standard operating procedures for each measuring device. For the balance, this involves calibrating the instrument with a standard weight (200 g). After every 100 measurements made on the balance, the standard weight will be applied to the balance. If the balance is off by more than 1 percent (2 g), the balance will be recalibrated and the previous batch of 100 individuals reweighed.

As part of our standard methodology, bivalve weight and length measurements are recorded both electronically onto a computer and by hand into a laboratory notebook. This serves two purposes: 1) the electronic data are cross-checked later for accuracy; and 2) the notebook entries serve as a backup for the electronic record.

The primary procedure used to assess the condition of the test individuals prior to measurement is complete closure of the shell upon light physical stimulation. Bivalves that do not completely close their shells upon movement or light touching of the shell are considered unhealthy and will not be used in the study.

## **3.5 FIELD EQUIPMENT DECONTAMINATION**

Sampling equipment, sample homogenization implements, and mixing containers will be decontaminated before use at each new station location and upon completion of each day's sampling. The following decontamination procedure will be used:

1. Rinse with site water to remove any remaining sediment or organic matter.
2. Scrub with brushes using an Alconox<sup>®</sup> solution.
3. Rinse and scrub with site water.
4. Rinse with laboratory-grade deionized water to remove rinse water impurities.
5. At the end of each day, protect and adequately store the decontaminated equipment for use the next day.
6. Minimize the generation of decontamination fluids, collect spent fluids in a closable storage container, and dispose of spent fluids to the sanitary sewer.

## **3.6 SAMPLE IDENTIFICATION, LABELS, DOCUMENTATION, AND CUSTODY**

### **3.6.1 Sample Identification**

Each sample collected during the field effort will carry a unique alphanumeric identifier to facilitate identification and tracking. The sample identifier will be used for the duration of the project. The use of an alphanumeric identifier will allow data associated with each sample to be logically entered into a relational database system. This process will facilitate data analysis and report generation. The code will be as follows:

- First two digits, "SR" (for Sheboygan River), identify the project
- Next two digits identify the station number (e.g., "01" for Station 1) or the segment number (e.g., "S1" for Segment 1) for fish composite samples
- Next two digits identify the sample type: "FT" for fish tissue, "MT" for bivalve tissue, "BC" for benthic community sample, "SS" for sediment grab sample, and "SC" for sediment composite sample
- Next digit identifies the sample category: "B" for background, "F" for field sample, "D" for field duplicate sample, "W" for equipment wipe sample, and "R" for rinsate blank
- If the sample is one of the sediment composites, fish tissue composites, or benthic macroinvertebrate subsamples, it will be uniquely identified by appending "-x" to the sample identification number, where x is the subsample number (e.g., 1, 2, 3) for the given station

For example, the sample code "SR-S1-FT-B-1" identifies one of the fish tissue composite samples collected from Segment 1 in the area identified as a background area. The sample code "SR-17-SS-F" identifies the sediment grab sample collected at Station 17. The distinction between sediment samples used for chemical analysis and those used for bioassays will be apparent from the analysis requested on the chain-of-custody form that accompanies them.

### **3.6.2 Sample Labels**

Sample labels will be made of waterproof material and will be self-adhering; an indelible pen will be used to fill out each label. Each sample label will contain the project number, sample identification number, preservation technique, date and time of collection, and initials of the person(s) preparing the sample. A completed sample label will be affixed to each sample containers, and clear tape will be wrapped over the label. A tag number will also be attached to each sample container. An example of a sample label is provided in Appendix B.

### **3.6.3 Documentation**

All field activities will be fully documented. This documentation will include:

- Records of all field activities
- Records of all samples collected for analysis
- Sample labels and tracking forms for all samples

The field coordinator or a designee will maintain a field logbook. The field logbook will be used to record a description of all sampling activities, personnel, weather conditions, and all modifications to the procedures and plans identified in the SAP, the QAPP, and the HSP for this project. Daily entries regarding health and safety aspects will also be entered into the field logbook. The field logbook will have numbered pages and be bound. All entries will be made in indelible ink. The field logbook is intended to provide sufficient data and observations to enable participants to reconstruct events that occurred during the sampling period.

### **3.6.4 Chain of Custody**

It is essential that the possession of samples be traceable from the time they are collected through analysis. Chain of custody will be established with documentation during all stages of this study.

Samples are considered to be "in custody" if they are: 1) in the custodian's possession or view, 2) retained in a secured place (i.e., locked) with restricted access, or 3) in a

container that is secured with an official seal(s) such that the sample cannot be reached without breaking the seal(s). The principal documents used to identify each sample and document possession are chain-of-custody records, field logbooks, and field tracking forms. Chain-of-custody procedures will be used for all samples throughout the analytical process.

Chain-of-custody procedures will be initiated during sample collection. A chain-of-custody record will accompany each sample. Each person who has custody of the samples will sign the form and ensure that the samples are not left unattended unless properly secured. Minimum documentation of sample handling and custody will include:

- Project name and sample identification number
- Sample collection date and time
- Any special notations on sample characteristics or problems
- Initials of the person collecting the sample
- Date sample was sent to the laboratory

All chain-of-custody forms will be completed in indelible ink. The completed chain-of-custody form will be placed in a plastic envelope, which will be taped to the inside lid of the cooler containing the listed samples. The lid of the cooler will be sealed with chain-of-custody tape on two sides. Upon receipt of samples at the laboratory, the shipping container chain-of-custody seal will be broken. The chain-of-custody form will be signed by the persons transferring custody of the samples. The condition of the samples will be recorded by the receiver. Chain-of-custody records will be included in the analytical report prepared by the laboratory and will be considered an integral part of that report.

## **3.7 SHIPPING AND ARCHIVING**

### **3.7.1 Shipping Requirements and Receipt**

The Field and QA Coordinators or their designees will be responsible for all sample tracking and chain-of-custody procedures for samples in the field, for final sample inventory, and for maintenance of chain-of-custody documentation. Prior to shipping, information on the sample labels will be checked against sample log entries and chain-of-custody forms, and samples will be recounted.

For shipping, sample containers will be wrapped in bubble wrap and securely packed inside the cooler with adequate ice packs to maintain the cooler temperature at 4°C until it reaches the analytical laboratory. Additional packing material should be placed in the cooler to prevent the sample containers from bumping against each other. Chain-of-

custody forms will be placed in a zip-locked bag and taped to the inside lid of the cooler. Fiber tape will be wrapped completely around the cooler. On each side of the cooler a "This Side Up" label with arrow will be appropriately attached, a "Glass-Handle with Care" label will be attached to the top of the cooler, and the cooler will be sealed with a chain-of-custody seal.

Samples for the various types of analyses will be shipped via overnight mail or delivered by hand courier to the appropriate laboratory. The point of contact and pertinent shipping information for each laboratory are provided below:

Tissue and sediment chemistry analyses (total PCBs, PAHs, pesticides, metals, TOC, SEM, AVS, grain size, percent lipids, and percent moisture):

Mark Harris  
Analytical Resources, Inc.  
333 Ninth Ave. N.  
Seattle, WA 98109  
Telephone: (206) 621-6490  
Facsimile: (206) 621-7523

Tissue chemistry analyses (PCB congeners, dioxins, furans, percent lipids, and percent moisture):

Laurie Phillips  
Axys Analytical Services Ltd.  
P.O. Box 2219  
2045 Mills Road  
Sydney, B.C., Canada V86 358  
Telephone: (250) 656-0881  
Facsimile: (250) 656-4511

Bioassay analyses (amphipod and chironomid larvae):

Jennifer Stewart  
EVS Consultants  
195 Pemberton  
North Vancouver, B.C., Canada V7P 2R4  
Telephone: (604) 986-4331  
Facsimile: (604) 662-8548

Benthic community analysis:

Gary Rosenthal  
EVS Consultants  
200 West Mercer St., Suite 403  
Seattle, WA 98119  
Telephone: (206) 217-9337  
Facsimile: (206) 217-9343

Gary Lester  
Eco-Analyst  
105 East Second St., Suite 2  
Moscow, ID 83843  
Telephone: (208) 882-2588  
Facsimile: (208) 882-2588

The QA Officer at each laboratory will ensure that chain-of-custody forms are properly signed upon receipt of the samples and will note questions or observations concerning sample integrity on the chain-of-custody forms. The laboratories will contact the QA Coordinator immediately if discrepancies between the chain-of-custody forms and the sample shipment are discovered. The laboratory QA Officer will specifically note any coolers that do not contain ice packs or that are not sufficiently cold upon receipt. The laboratory will not dispose of the environmental samples for this project until notified in writing by the QA Coordinator.

### **3.7.2 Sample Archiving**

The laboratory will maintain chain-of-custody procedures and sample integrity while archived samples are in their possession. Archived samples will not be disposed of without written permission of NOAA.

## 4.0 LABORATORY ANALYSES

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### 4.1 CHEMICAL ANALYSES

Table 2-1 list the parameters for which sediment, fish, and bivalve samples will be analyzed. The QAPP lists targeted detection limits for each medium and parameter.

### 4.2 BIOLOGICAL ANALYSES

#### 4.2.1 Bioassays

##### ***Amphipod Survival (H. azteca)***

Adverse effects of potentially contaminated sediment will be evaluated by measuring survival and growth in adult amphipods (*Hyaella azteca*). Amphipods will be exposed to the site-related sediment and the reference sediment for a 10-day period. The test and QA/QC performance standards are according to the American Society for Testing and Materials (ASTM 1996).

##### ***Chironomid Survival and Growth (C. tentans)***

Adverse effects of potentially contaminated sediment will also be evaluated by measuring survival and growth in juvenile chironomids (*Chironomus tentans*). Larval chironomids will be exposed to whole sediment and the reference sediment for a 10-day period. This test and QA/QC performance standards are also according to ASTM (1996).

#### 4.2.2 Benthic Community Enumeration

Upon arrival at the laboratory, all macroinvertebrate samples will be inventoried and checked against chain-of-custody forms. If a sample consists of multiple containers, all containers will be processed as a group. Any irregularities indicating that sample integrity may have been compromised (e.g., evidence of tampering, loose lids, cracked jars) will be noted, and the client-designated QA Coordinator will be contacted for further instructions.

Upon completion of inventory and chain-of-custody checks, individual samples will be gently rinsed with fresh water on a 0.5-mm mesh screen to remove the formalin from the sample material. Screens will be only partially filled while rinsing a sample to maximize



washing efficiency and prevent loss of material. All material retained on the screen will be transferred to a glass or plastic jar, covered with 70 percent ethanol, and gently agitated to ensure proper preservation of the material by the alcohol. All internal and external labels will be transferred to the sample jars. A rescreening log will be filled out as each sample is completed and will include sample identification number, date rescreened, and number of sample jars used.

Standard and accepted techniques will be used for sorting organisms from the sediments. Each sample container will be sorted in its entirety unless the laboratory manager determines that the sample should be split. It is standard practice to subsample a freshwater benthic sample if either sample volume is large or the abundance of organisms is high. Small fractions of a sample (or subsample) will be placed in a gridded petri dish under a 10-power magnification dissecting microscope. The petri dish will be scanned systematically, and all organisms and fragments will be removed using fine-tipped forceps. Each petri dish will be sorted twice to ensure removal of all organisms. Sorted organisms will be placed in labeled vials prior to QA/QC testing.

All whole organisms will be counted and identified to the lowest practical taxonomic level, generally species. Oligochaetes will be left at Oligochaeta. If animal fragments are present, only anterior portions will be counted. Identifications will be performed by experienced taxonomic experts. Taxonomists will maintain a notebook with all data and information about a sample or a specimen. Questionable organisms will be compared against specimens in the EVS permanent reference collections and may be sent out for independent confirmation by other qualified taxonomic specialists.

The following QA/QC procedures for both sorting and taxonomy will be followed. Twenty percent of each processed sample will be randomly selected and resorted to check sorting efficiency. Sorting QA/QC will be done using 25-power magnification by someone other than the original sorter. A 95 percent sorting efficiency is proposed for this study. A sample will pass if the number of organisms found during the 20 percent QA/QC check does not represent more than 5 percent of the total number of organisms found in the entire sample. If the number of organisms found is greater than 5 percent of the total number, the entire sample will be resorted. Taxonomic QA/QC will be achieved by sending representative specimens of questionable or uncertain organisms out for independent confirmation by a qualified regional expert.

A voucher collection representing all taxa collected during the survey will be prepared and archived by major taxonomic groups (i.e., Arthropoda, Mollusca, and miscellaneous taxa) for future reference.

## 5.0 DATA MANAGEMENT AND ANALYSIS

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### 5.1 REDUCTION, VALIDATION, AND REPORTING OF ANALYTICAL RESULTS

The QAPP (Appendix B) describes the requirements and approach for reducing, validating, and reporting laboratory analytical results.

### 5.2 DATA MANAGEMENT

EVS will enter validated analytical results into its database system for organization and manipulation. Data will then be available for statistical evaluation of results and ultimate use in the ERA. FoxPro<sup>®</sup>, a relational database software that creates Xbase files (i.e., files with .dbf extensions), will be used. These files are directly compatible with ARC/INFO and other geographical information systems.

Data structures developed for previous projects of similar scope and consistent with those used by NOAA HazMat will be used. These structures minimize the number and size of files and provide an effective means for data analysis and summarization. Typical files will include the following:

- Station file identifying where samples were collected, including station identifier numbers
- Sample file for each medium describing when and what samples were collected, including sample depth for sediments and species and tissue types for biota
- An analytical chemistry results file for each medium which will include concentrations, units of measure, and qualifiers
- Biological test results with identification of test organisms, duration, and endpoint

A library of routines will be used to translate typical electronic output from laboratory analytical systems and to generate data analysis reports. The use of automated routines ensures that all data are consistently converted into the desired data structures and that operator time is kept to a minimum. In addition, routines and methods for quality checks

will be used to ensure that such translations are correctly applied. Final electronic files will be made available to USEPA.

Written documentation will be kept during data conversion and manipulation to provide explanations of other issues that may arise. The data management task will include keeping accurate records of field and laboratory QA/QC samples to provide study team members who use the data with appropriate documentation.

In addition to placing all data and identifiers into an electronic database, hard copies of all original analytical data and study records will be placed into a library filing system. Each analytical data set or document will be given a unique code (based on the original source of the data or information) and filed based on that code. A master list of all filed documents, sorted in order by filing code, will be maintained for easy retrieval from the library.

### **5.3 DATA ANALYSIS AND INTERPRETATION**

The following subsections present brief discussions regarding how data will be analyzed in the ERA. These discussions include the analysis of both existing data and new data to be collected during the August 1997 field effort.

#### **5.3.1 Triad Study**

The sediment quality triad study will be used to evaluate the impact of chemical contamination on the Sheboygan River sediments. The sediment quality triad uses a weight-of-evidence approach to assess the effects of contamination by combining chemical and biological measurements (Chapman 1992). Three complementary measures are used to identify pollution-induced degradation: sediment chemistry to determine contamination, sediment bioassays to determine toxicity, and *in situ* bioeffects (e.g., benthic infaunal community structure) to determine alteration of resident communities. The combination of these three separate measures will allow for the differentiation of effects related to contamination from natural variability and/or laboratory artifacts.

The results of the sediment chemistry, toxicity, and benthic community analyses will be interpreted separately and then integrated into the triad analysis. Concentrations of contaminants in the sediments will be compared to PELs. Results of the toxicity tests will be analyzed using recommended statistical methods (USEPA 1994; ASTM 1996; EC 1996a,b): mean responses of the four measured endpoints will be statistically compared to the corresponding endpoint of the reference station and the negative control (silica

sand). For the benthic invertebrates, community structure will be characterized using the following metrics:

- Total abundance
- Taxa richness
- Percent oligochaetes
- Percent chironomids
- Number of chironomid taxa/total taxa

As with the toxicity tests, statistical comparisons of the benthic data will be made between a station and an appropriate background station for each metric.

The primary intent of the triad is to determine if the benthic community is being impacted by elevated concentrations of substances in Sheboygan River sediments, and if so, to determine the chemical threshold for impacts, if possible. Therefore, data will first be evaluated to determine if statistically significant impacts are occurring to the benthic community at site stations relative to the reference stations. In areas with statistically significant impacts, correlations between benthic community impacts, toxicity, and the concentrations of individual and covarying contaminants will be investigated.

Sediment concentrations associated with levels of impact will contribute to weight of evidence for developing protective sediment concentrations along with other endpoints in the risk assessment and literature values. As one possible approach, a set of values that correspond to the worst allowable impact for each biological endpoint (e.g., maximum levels of mortality, growth reduction, or benthic impact considered normal) could be identified. This set of values could constitute a set of biological performance standards that could be ranked along with the 18 actual triad stations. The rank and associated probability (from the randomization distribution) for this biological standard could provide the baseline for performance. Stations with average ranks falling below the biological performance standard could be evaluated. Some of these stations may not have concordance among the biological and chemical endpoints, indicating a possible unmeasured source of biological impact. However, other stations will have concordance among the biological and chemical endpoints; the lowest chemical concentration associated with these stations could be used to determine the sediment concentrations that are protective of the biological endpoints measured.

In addition, other published data, models, and guidelines will be reviewed to put the triad results in context and in proposing protective sediment concentrations. In particular, the draft USEPA sediment quality criteria (1993a,b,c) and results in USEPA (1996) and WDNR memoranda (1992a,b,c) will be included in the assessment.

Two approaches are also available for comparing triad data across stations: the ranking method and multidimensional scaling. These approaches would be useful if USEPA would like to prioritize cleanup or rank the sites.

### **Ranking Method**

The ranking method is a simple approach for displaying the relative performance of each station, taking all of the 10 to 12 endpoints together. The sites are ranked relative to each other for each endpoint, with each endpoint ranked in the same order, low values indicating poor results. The average of these rankings across endpoints orders the sites from poor quality to good quality, relative to each other. The distribution of the average of 10 randomly assigned ranks is generated for comparison to the observed average ranks. Very small or very large average ranks are unlikely when each of the 10 endpoints is randomly assigned a rank value of 1 to 18 (since there are 18 proposed triad stations). Therefore, this randomization distribution provides "critical values" for a test of the null hypothesis of no concordance between endpoints. For this approach, equal weightings for each endpoint will be used, resulting in an unequal weighting for the three legs of the triad, with the highest weight placed on the *in situ* benthic community analysis metrics (since there are more benthic endpoints). However, if the data indicate that certain of these metrics are less informative than others, or if significant correlations exist between endpoints, some of the metrics may be dropped. This method is best used to put stations into groups from high impact, intermediate, and low impact and thus is useful for prioritizing stations for cleanup.

The Triad data will be ranked as described as follows:

- **Sediment Chemistry:** Stations will be ranked based on the degree to which they exceed the freshwater PELs cited in USEPA (1996). Within each station, the exceedance ratios for each metal analyzed, total PCBs, individual PAHs, and each pesticide for which a PEL is available will be summed. The station with the highest sum of ratios will receive a rank of 1; the station with the lowest sum will receive a rank of 18 (since there are 18 triad stations, including references). This leg of the triad will be comprised of up to four endpoints (depending on whether contaminants covary). If contaminants do not vary, the number of endpoints will be assessed with possible endpoints evaluated as total metals, total PCBs, total PAHs, individual PAHs, and individual pesticides.
- **Toxicity Data:** Stations will be ranked for each of the four endpoints (*H. azteca* and *C. tentans* growth and survival) based on the measured test response. For example, for the *H. azteca* survival endpoint, the station with

the lowest survival will receive a rank of 1 and the station with the highest survival will receive a rank of 18. This leg of the triad has four endpoints.

- **Benthic Community Structure:** Stations will be ranked for each of the five benthic community metrics in a method similar to that used for the toxicity test data. For example, for total benthic abundance the station with the lowest abundance will receive a rank of 1 and the station with the highest abundance will receive a rank of 18. This leg of the triad has five endpoints.

### ***Multidimensional Scaling***

Classical multi-dimensional (CMD) scaling is used to represent multi-dimensional distances in fewer dimensions for easier display and interpretation. Similar to cluster analysis, CMD yields points in two- or three-dimensional Euclidean space. CMD preserves the distance and relative position between points that are observed in the original multi-dimensional problem, into, for instance, a two-dimensional plot.

Before calculating the distances between sites, the endpoints will be standardized (i.e., expressed in standard deviations from the mean) to avoid endpoints with a larger magnitude dominating the analysis. For example, abundance may range from 1 to 1,000, while percent mortality ranges from 0 to 100; if these endpoints were not standardized, the distance between sites would clearly be driven by differences in abundance. The distance between each pair of stations will be calculated using the Manhattan distance metric, which is the sum of the absolute differences between all 10 to 12 of the endpoints. For example, to get the distance measurement between two sites, each endpoint value from site 1 would be subtracted from its respective endpoint value at site 2, taking the absolute value of this difference and summing these values over the 10 to 12 endpoints. The 18 sites would result in  $18 \times 17/2 = 153$  paired distance measures.

The CMD plot confirms the characteristics of the sites already identified by ranking. In addition, it shows how far these sites fall outside of the normal range. Some sites, which previously did not rank low, may now appear to be borderline cases, falling on the outskirts of the main station cluster. These are sites that have particularly bad or good results for one or two endpoints. The average ranking procedure does not discern such cases of one or two lower-than-normal endpoints. For example, the ranking method assigns a rank of 1, 2, and 3 to the three worst performers in *Hyaella* survival. If the worst performer has a value of zero percent survival, the second lowest is 60 percent survival, and the third lowest is 62 percent survival, the differences between the first and second, and the second and third would be one in the ranking procedure. CMD scaling shows the difference between the first and second to be much greater than that between the second and third. With the magnitude of differences incorporated into the CMD scaling procedure (on a standardized scale), endpoints that vary radically from those at

other stations may cause a station to stand out on the CMD two-dimensional plot when it does not on the average ranking plot. Thus, both types of analyses provide complementary information.

An indication of the level of contamination at a station from the weight of evidence is derived from the ranking portion of the triad and the comparison to the randomization distribution. Stations with very low average ranks have concordance in that all endpoints indicate impacts or contamination; stations with very high average ranks have concordance in that all endpoints indicate low impacts or low contamination. The level of impact of stations with intermediate average ranks is indeterminate. One of the benefits of this triad analysis is that it does not require that all stations have concordance for conclusions to be made about the worst performers.

### **5.3.2 Fish Assessment**

The interpretation approach for fish tissue data will be determined in cooperation with WDNR and USEPA, and a technical memorandum outlining the approach will be written in August. Fish data that will be included in this analysis are data from the studies proposed in this work plan and data from the food chain study, as well as data from BBL's annual monitoring studies. Potential approaches and uses of the data follow.

- Fish body burdens of PCB congeners and dioxin/furan compounds will be evaluated through the use of the toxic equivalency factors approach utilizing factors derived for rainbow trout and toxicological benchmarks for 2,3,7,8-TCDD for fish.
- Data from this field effort, as well as the WDNR food chain study field effort, will be utilized in food web modeling for mink and heron.
- Effects of PAHs on fish will be discussed using results from Schrank et al. (1997), among others.
- Effects of pesticides and bioaccumulative metals/metalloids, such as mercury, will be qualitatively discussed based on data presented in Schrank et al. (1997).
- Effects of Sheboygan contaminants on salmonids in Lake Michigan will be qualitatively discussed using readily available data from USEPA's Great Lakes National Program Office and U.S. Geological Survey studies.
- Links to sediment (to derive protective sediment concentrations) will be examined using data available from the study proposed in this work plan and well as from the food chain study (WDNR 1995). Potential approaches



include a simplified biota-to-sediment accumulation factor (BSAF) approach using body burdens and concentrations in sediment or, possibly, the development of a more detailed food web model using additional data from the food chain study, such as fish stomach contents, lipid bag concentrations, and crayfish and invertebrate tissue burdens. The final approach will be proposed in consultation with WDNR.

### **5.3.3 Caged Bivalve Study**

For the effects endpoints, each individual bivalve is considered a replicate. A nested ANOVA will be used to test for variability among stations, among cages within a given station, and among the individual bivalves within each cage (see Section 5.3.4). Thus, if 25 bivalves are used per cage and all bivalves survive, the level of replication at each station would be 75 for the effects endpoints. However, it will be necessary to pool tissues from all individuals from a given cage to provide sufficient tissue mass to the analytical facility for chemical analyses. Therefore, for the bioaccumulation endpoint, the level of replication at each station is three.

The data from the bivalve transplant study will be statistically analyzed to determine whether bivalves in the Sheboygan River sites will have accumulated significant amounts of contaminants compared to reference bivalves, and whether exposure to site conditions will have had an adverse effect on bivalve growth. All bivalve parameters measured at the end of the test (survival, WAWW, shell length, and tissue weight) and the tissue chemistry data will be statistically analyzed to determine whether there are differences among stations. Descriptive statistics such as mean and standard deviation will be calculated for these parameters. A nested ANOVA followed by orthogonal contrasts will be used to test the following general null hypotheses:

- There is no significant difference in bivalve WAWWs between Sheboygan River stations and reference stations ( $\alpha = 0.05$ )
- There is no significant difference in bivalve lengths between Sheboygan River stations and reference stations ( $\alpha = 0.05$ )
- There is no significant difference in bivalve soft tissue weights between Sheboygan River stations and reference stations ( $\alpha = 0.05$ )

The nested ANOVA will partition the variability into three components: the variability among stations, the variability among the three separate cages within a station, and the variability among the individual animals within each cage. The nested ANOVA thus

allows a test of the general question regarding differences among all stations, as well as tests of the effect and magnitude of small-scale, intra-station spatial variability. If the primary hypothesis of the ANOVA is rejected, indicating that differences among all stations were detected, pairwise comparisons will be performed using orthogonal contrasts. This multiple-contrast procedure allows for a test of selected linear combinations of group means from the ANOVA. Because two reference stations are used in this study, the hypothesis comparing each Sheboygan River station to "reference" is represented by the following equation:

$$\mu_{\text{site1}} = -(\mu_{\text{ref1}} + \mu_{\text{ref2}})$$

This type of equation will be constructed and tested for each of the 7 Sheboygan River stations. An experiment-wide 95 percent confidence level ( $\alpha = 0.05$ ) will be used for these analyses.

Survival rates among stations will be compared using a chi-square contingency table analysis. A chi-square test compares the frequencies of animals alive or dead at the end of the study to test whether probabilities of survival differ among stations. A 95 percent confidence level ( $\alpha = 0.05$ ) will be used for this analysis.

Tissues from all surviving bivalves from each field replicate will be pooled and chemically analyzed, providing three chemistry replicates per station. The hypothesis that will be tested using these data is:

- There are no significant differences in the amount (concentrations and content) of contaminants in bivalve tissues between Sheboygan River stations and reference stations ( $\alpha = 0.05$ )

The bioaccumulation potential at Sheboygan River stations was considered the component of primary interest for this study. For this reason, the statistical design chosen for the analysis of the bioaccumulation data was one that controlled the Type I and Type II error rates at each station. Thus, the analysis of bioaccumulation data will require a series of 14 pairwise comparisons (one-tailed *t*-tests) for each compound: each of the 7 Sheboygan River stations will be compared separately to each of the 2 reference stations. Using standard rule of thumb values for the pairwise comparisons, the station-specific rates were set at 5 percent for false positives (Type I errors,  $\alpha = 0.05$ ) and 20 percent for false negatives (Type II errors,  $\beta = 0.2$ ). An *a priori* power analysis using data on the variability among replicates for similar species and similar compounds indicated that three replicates were sufficient to detect as low as a 50 percent increase over reference tissue concentrations for the one-tailed *t*-test with a 20 percent coefficient of variation.

This level of variability was the average observed in historical studies. The maximum coefficient of variation observed to date was 44 percent; at this level of variability, 3 replicates would allow a detectable difference of 100 percent of the reference. Prior to analysis, the data will be evaluated to ensure that they meet the assumptions of the statistical tests (i.e., approximate normality and homogeneity of variances for the ANOVA and orthogonal tests). This evaluation will be performed using boxplots, normal probability plots, and other graphical diagnostic procedures. For those data that appear to violate the assumptions of the statistical tests, appropriate transformations will be used.

#### **5.3.4 Piscivorous Species Assessment**

While no additional field data are being collected for the assessment of risks to avian and mammalian receptors with aquatic links, such as the great blue heron and mink, risks to these species will be assessed using an approach formulated in consultation with Dr. Jim Chapman at USEPA and Dr. Kathleen Patnode at WDNR. The basis of this approach will be food web modeling and comparison to toxicological benchmarks in the literature. NOAA will write a draft version of the results and incorporate them into the ERA. Dr. Jim Chapman will provide lead technical direction, final review, and final approval of this section. To date, one memorandum with possible assumptions regarding diet, home range, and toxicological benchmarks has been produced for these two species (Chapman pers. comm. 1997b).

## 6.0

### **LIST OF DELIVERABLES**

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Deliverables will include a technical memorandum discussing the approach for analyzing fish tissue data and assessing risk to fish. A draft ERA will be prepared, followed by a final ERA after comments have been received.

## 7.0 SCHEDULE

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The draft work plan will be sent out for review to be received by reviewers on July 28, 1997. Comments on the draft should be sent to EVS by August 1. These comments will be incorporated into the final work plan prior to field sampling. Field sampling will begin on August 11, 1997, and continue for approximately 2 weeks. The technical memorandum on the fish assessment will be completed by September 2, 1997. The draft ERA will be completed by January 28, 1998.

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# **APPENDIX A**

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## **ERA Problem Formulation**

# TECHNICAL MEMORANDUM

## SHEBOYGAN RIVER AND HARBOR SITE ECOLOGICAL RISK ASSESSMENT PROBLEM FORMULATION

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### 1.0 INTRODUCTION

This technical memorandum presents the status and proposed problem formulation approach for the aquatic ecological risk assessment (ERA) being conducted for the Sheboygan River and Harbor site. The Sheboygan River and Harbor site includes the lower 14 miles of the Sheboygan River, from below the Sheboygan Falls Dam to the harbor area of Lake Michigan within the breakwalls. Two additional dams, the River Bend and Waelderhaus Dams, are present within the site boundaries below the Sheboygan Falls Dam (Figure A-1).

The Sheboygan aquatic ERA is being prepared in accordance with the U.S. Environmental Protection Agency (U.S. EPA) guidance document for designing and conducting ERAs at Superfund sites (U.S. EPA 1997). The primary goals of the risk assessment are to evaluate risk to aquatic species occupying the site and to calculate protective sediment concentrations for these species. A terrestrial component of the risk assessment will be prepared jointly by the U.S. EPA and the Wisconsin Department of Natural Resources (WDNR).

The intent of this memorandum is to reach consensus with interested parties on the problem formulation phase of the ERA. The problem formulation incorporates a conceptual model for the site that focuses on the potential interactions between key contaminants of concern (COCs) and potential receptors of concern (ROCs). Agreement on key problem formulation issues, such as choice of assessment and measurement endpoints, early in the project is an essential ingredient for the overall success of the ERA. In addition to the problem formulation approach, this document discusses the sufficiency of available data. If substantial data gaps are found, additional field sampling will be conducted in support of the ERA.

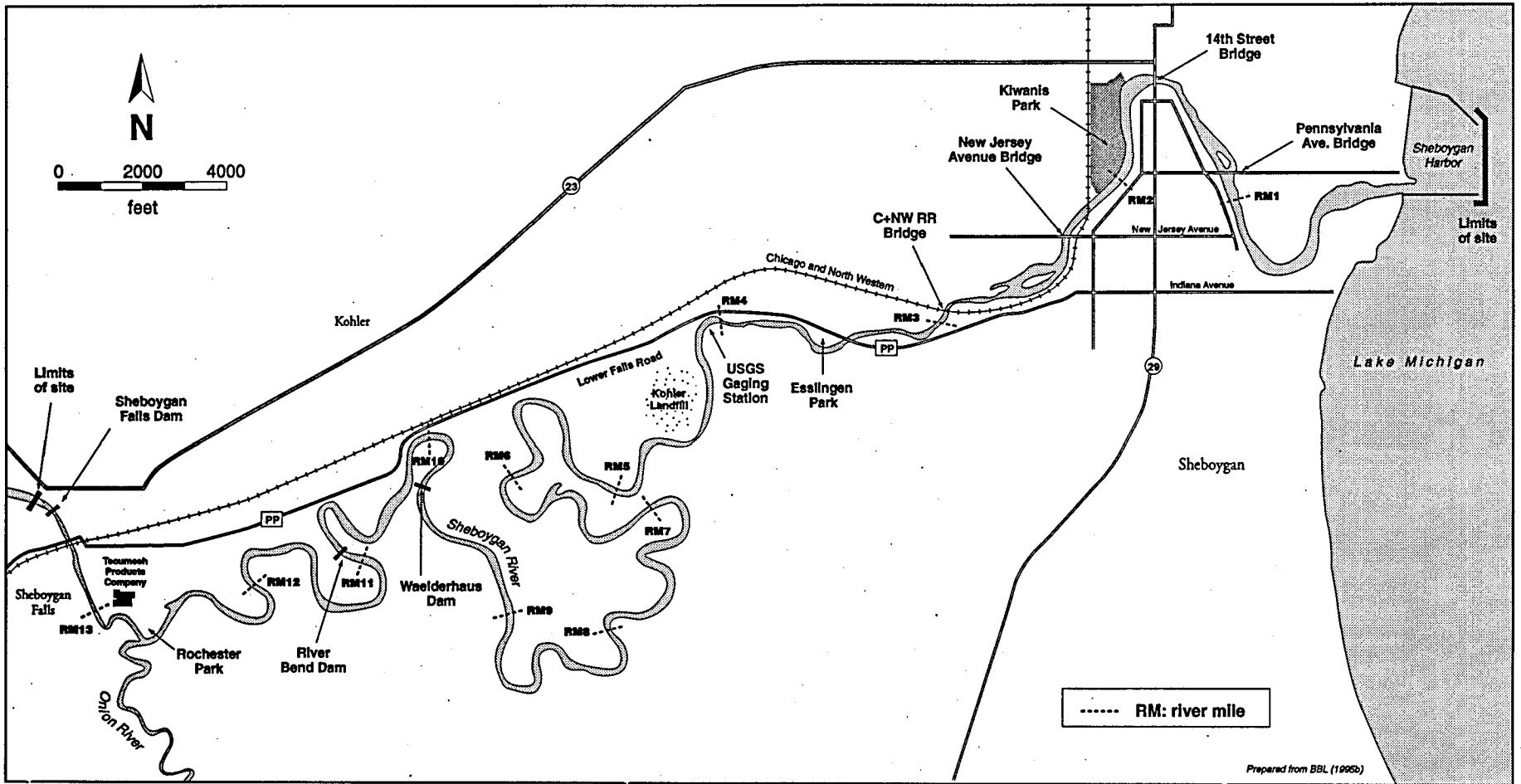


Figure A-1. Location of Sheboygan River and Harbor site

This memorandum is divided into 11 sections, with one attachment as follows:

- Section 1.0 Introduction
- Section 2.0 Review of available data
- Section 3.0 Screening of data to identify COCs
- Section 4.0 Description of natural resources associated with the site
- Section 5.0 Analysis of potential exposure pathways
- Section 6.0 Selection of ROCs
- Section 7.0 Summary of conceptual model
- Section 8.0 Discussion of assessment and measurement endpoints
- Section 9.0 Identification of data gaps
- Section 10.0 Conclusions
- Section 11.0 References
- Attachment List of available data

## **2.0 AVAILABLE CHEMICAL DATA**

A large amount of data has been collected at the site over the past 18 years. Data received for review are from documents prepared as part of remedial investigations (BBL 1990,1995b), remedial construction (BBL 1992), fish monitoring (BBL 1995a, 1996, 1997), and human health risk assessments (U.S. EPA 1993a, ENVIRON 1995). In addition, raw data sets were received from WDNR that contained data from sediment traps, sediment cores, lipid bags, fish monitoring, and benthic macroinvertebrate sampling. The raw data were received in electronic format and were reorganized and reformatted to conduct the screening for COCs, evaluate the extent of contamination, and determine data gaps. Additional information on methods used to generate these data, data quality, and locations is currently being pursued. A bibliography of all data received and reviewed is presented in the attachment, including the types of data available in each document or data set.

Chemical analyses have been made on samples of sediment, water, and fish tissue. These data were reviewed for acceptability with respect to the COC screening, field sampling planning, identification of data gaps, and potential use in the ERA, as described in this document. For data to be acceptable for the aquatic ERA, they must be representative of current conditions, of defensible quality, and relevant with respect to ecological risk exposure scenarios. However, if data do not meet all these criteria, they may still be acceptable for COC screening or field planning. For example, historical data, while not representative of current conditions, may be useful to guide attention to areas known to

accumulate contaminants. This section presents a general overview of the data received. The focus of this section is on sediment and water data. Less emphasis was placed on the description of fish data because the large fish tissue database has not yet been thoroughly evaluated or summarized.

## **Sediment Data**

Available data from the measurements of toxic substances in the sediments that were evaluated for this problem formulation are summarized in Table A-1. The most intensive sampling of the river in terms of number of samples, spatial coverage of the river and harbor, and number of analytes was conducted in 1987, prior to removal actions (BBL 1990). Polychlorinated biphenyls (PCBs) and selected metals/metalloids were measured in all samples collected from approximately 95 locations. A subset of 10 samples from the river and 5 samples from the harbor were analyzed for pesticides and polycyclic aromatic hydrocarbons (PAHs), and 1 sample from each area was analyzed for dioxins. These were the only sediment data available for pesticides and dioxins.

In 1989, sediment sampling was conducted along the river from around River Mile 13 (near the Tecumseh Plant; Figure A-1) to the Waelderhaus Dam to determine the extent of PCB contamination in this stretch of the river before removal actions. Approximately 50 locations were sampled at depths of 0-0.5 ft and 0.5-1 ft, and then at 1-ft increments thereafter. Only PCBs were analyzed in the samples. Following removal and armoring actions at 22 designated areas in this same stretch of the river, similar core sediment samples were collected in 1990 and 1991 and analyzed for PCBs to determine the success of the actions (BBL 1992, BBL 1995b).

Three sets of unsummarized and uninterpreted sediment data were available from WDNR. One of these sets includes data from particulate samples collected on a quarterly basis since 1990 from sediment traps located at seven locations in the river (Rochester Park, Kohler Horse Farm Riffle, Upstream River Bend Dam, County Highway A, Taylor Drive, 14th Street, and Camp Marina). These samples were analyzed for total PCBs, PCB congeners, PAHs, and trace elements; not all contaminants were analyzed on each date or at each sampling location.

**Table A-1. Summary of available data evaluated**

TYPE OF DATA	REFERENCE	ANALYTES	COMMENTS
Sediment	BBL1990	PCBs, trace elements, PAHs (subset), pesticides (subset), dioxin/furan (1 sample only)	Sediment core samples were collected throughout the river (Sheboygan Falls to 1 mile upstream from the mouth) prior to removal activities in 1987 at sediment depths ranging from 0.3 to 3.5 ft.
Sediment	BBL1990	PCBs, trace elements (subset), PAHs (subset), pesticides (subset), dioxin (1 sample only)	Sediment samples were collected from the lower river and harbor at depths of 0-0.5, 0.5 -2, 2-4, 4-6, 6-8, 8-12, 12-16, and 16-20 ft (not all depths at all locations) in 1987 prior to removal activities.
Sediment	BBL 1992	PCBs	Sediment samples were collected shortly after removal activities in 1990 and 1991.
Sediment	BBL1995b	PCBs	Sediment samples were collected from 1989 to 1991 during pre-removal and post-removal activities.
Sediment Cores	WDNR Data set	PCBs, PAHs (subset)	Sediment core samples were collected in 1995.
Sediment Traps	WDNR Data set	PCBs, trace elements (subset), PAHs (subset)	Sediment trap samples were collected at nine monitoring stations from 1990 to 1996.
Sediment	WDNR Data set	PCB congeners, PAHs, metals	Samples were collected in 1994 and 1995 as part of the food chain study.
Water	BBL1990	PCBs and trace elements, filtered and unfiltered	Samples were collected in 1987.
Water	BBL 1995b	PCBs, conventional analytes	Water data were collected before, during, and after removal activities from 1989 to 1993. Water data collected during removal activities were not used for screening.
Lipid Bags	WDNR Data set	PCB congeners and PAHs	Samples were collected in 1994 as part of the food chain study.
Caged Fish	BBL 1995b	PCBs	Caged studies were conducted in phases from 1989 to 1994 at 6 locations.
Resident Fish	BBL 1995b	PCBs	Samples were collected between 1989 and 1992 at various locations.
Resident Fish	BBL 1995a	PCBs	Annual monitoring was conducted in 1994 at 3 locations.
Resident Fish	BBL 1995b	PCBs	Annual monitoring was conducted in 1995 at 3 locations.
Resident Fish	BBL 1997	PCBs	Annual monitoring was conducted in 1996 at 3 locations.
Resident Fish	U.S. EPA 1993a	PCBs	Samples were collected in 1991 from unknown number of locations.
Resident Fish	ENVIRON 1995	PCBs	Samples were collected in 1992 and 1993 from unknown number of locations.
Resident Fish	WDNR Data set	PCBs, trace elements (subset), PAHs (subset), pesticides (subset), dioxins (subset)	This is a state database of fish sampling conducted throughout the Sheboygan River from 1976 to 1994.

TYPE OF DATA	REFERENCE	ANALYTES	COMMENTS
Resident Fish	WDNR Data set	PCB congeners, metals, PAHs	Samples were collected in 1994 as part of the food chain study.
Benthic Macroinvertebrate	WDNR Data set	PCB congeners, metals, PAHs	EPT benthic community analyses were conducted between 1990 and 1993 at 3 stations in the river and at several reference locations. Chemical analyses were conducted of crayfish and adult and larval invertebrates in 1994 as part of the food chain study.

The second WDNR raw data set consists of data from sediment samples collected by piston corer from unknown depths at 19 sampling locations (between Sheboygan Falls Dam and Riverbend Dam, between River Bend Dam and Waelderhaus Dam, Nemschoff Lumber Co., Esslingen Park, the New Jersey Avenue Bridge, 14th Street, Camp Marina, and near Pennsylvania Avenue) in February 1995. These samples were analyzed for PCB congeners with some samples also being analyzed for PAHs.

The third WDNR raw data set consists of surface sediment samples collected as part of the food chain study in 1994 and 1995. Twenty-five samples were collected throughout the river and analyzed for PCB congeners, metals (Arsenic, cadmium, chromium, copper, lead, mercury, silver, and selenium), and PAH compounds (subset).

Other sediment data known to exist but that were not reviewed for this problem formulation include data in Appendix A of the Remedial Investigation/Enhanced Screening Report (BBL 1990) collected by the U.S. Army Corps of Engineers, U.S. EPA, and WDNR. Data from these studies were collected from the late 1970s to 1985; in many cases information on sampling locations and sediment depth were not available.

## Water Data

In 1987 and 1988, water samples were collected during four rounds of sampling to cover high, moderate, low-moderate, and low-flow regimes (BBL 1990). Both filtered and unfiltered samples were analyzed for PCBs and trace elements at six locations (Sheboygan Falls Dam, River Bend Dam, Waelderhaus Dam, USGS Gaging Station, 14th Street Bridge, and Sheboygan Harbor).

From 1989 to 1993, before, during, and after removal actions, approximately 18 locations in the Sheboygan River were sampled: 14th Street Bridge, New Jersey Avenue Bridge, C and NW Railroad Bridge, USGS Gaging Station, and 13 locations upstream from Waelderhaus Dam (BBL 1995b). During each of 16 sampling events, approximately 4 to 12 locations were sampled. Samples were analyzed for PCBs and miscellaneous conventional parameters.



Lipid bags were deployed by WDNR in 1994 as part of the food chain study and analyzed for PCB congeners and PAH compounds throughout the upper (miles 10 through the control) and lower (mouth through Mile 1.6) segments of the Sheboygan River.

## **Fish Data**

Monitoring of PCB concentrations in fish has occurred for many years, and at least some tissue data are available for a large number of species including carp, channel catfish, smallmouth bass, walleye, white sucker, rock bass, black crappie, northern pike, burbot, bluegill, common shiner, greater redhorse, green sunfish, black bullhead, coho salmon, lake trout, brown trout, chinook salmon, rainbow trout, cyprinid minnow, alewife, northern redhorse, golden redhorse, and river steelhead. However, most of the data are for PCB concentrations in carp, rock and smallmouth bass, white sucker, walleye, and salmonids. PCBs, sometimes with congener-specific analyses, are the most common analyte, but some metals, pesticides, and dioxin compounds have also been measured. Lipid content, length, and weight information is available for many of the fish as well. Fish were collected from all three reaches of the river, from the harbor, and from stations upstream of the site. Samples were collected in a variety of ways including whole body, skin on fillet, and skin off fillet, as well as a few samples of eggs.

In the food chain study of 1994, smallmouth bass, longnose dace, and white sucker were collected at four locations within the river and analyzed for PCB congeners. Smallmouth bass and white sucker are also routinely monitored for total PCBs annually by BBL at three locations in the river.

## **3.0 SELECTION OF CONTAMINANTS OF CONCERN**

### **Approach**

All sediment and water data presented in Table A-1 were reviewed for the preliminary identification of COCs. The only sediment or water data excluded from the COC screening were water data collected during removal actions in the upper river, which were deemed unrepresentative. Sediment data collected prior to removal were retained for COC screening to be protective in case removal actions did not remove contaminants. Additional information, such as degree of data validation (Level 3 and 4 is preferable), reliability of collection and analysis methods, and depth of sediment samples, will be reviewed more thoroughly as the project proceeds to verify the overall reliability of the data. Fish data were not included in the COC screening because benchmarks for fish tissue are derived from limited data compared to those for sediment and water, and are not as well established.

Criteria for the selection of COCs include the toxicity of the substances to receptors and exposure pathways of those substances to receptors. Because this ERA is for an aquatic site with contaminated sediment, receptors for screening were assumed to be representative fish and benthic invertebrates. Important exposure pathways were assumed to be direct exposure through sediment and water contact, as well as indirect exposure through the food chain for fish.

COC screening was performed by comparing maximum concentrations detected on-site to benchmark concentrations for sediment and water. Sediment benchmarks relevant to the evaluation of direct exposure to benthic organisms include the effect range low, effect range median, threshold effect level (TEL), probable effect level (PEL), no effect concentration, no effect range median, and the no effect range high. Each of these benchmark types were presented in U.S. EPA (1996) for freshwater sediments. The TEL was selected as a conservative (protective) COC screen because it is considered to represent sediment concentrations rarely associated with adverse effects to benthic organisms. Relative to other benchmarks, TELs are either the second or third lowest for metals.

Water concentration data were screened against freshwater chronic ambient water quality criteria (AWQC), which are indicative of potential effects to aquatic species from direct exposure to contaminants in water.

While AWQC are designed to be protective of most aquatic organisms from direct water exposure (not bioaccumulation), the sediment benchmarks listed are only predictive for benthic organisms. Therefore, if a compound is bioaccumulative and passes the TEL screening, or if AWQC or water data are not available, then additional screening criteria were considered. Tetrachlorinated dibenzo-*p*-dioxin (TCDD) and tetrachlorinated dibenzofuran (TCDF) are examples of analytes for which additional screening was needed because the sediment benchmarks listed above were not available for these analytes, and because they were not measured in water. Therefore, sediment concentrations associated with low and high risk to fish identified through a risk assessment approach (U.S. EPA 1993b) were used as screening criteria for TCDD.

For fresh water, two sets of TELs are available from U.S. EPA (1996) and one set is available from Smith et al. (1996) for many of the analytes measured at the site. The two sets in U.S. EPA (1996) are benchmarks calculated from three Great Lakes sites and benchmarks calculated from a larger number of freshwater sites, which include a few sites with low to moderate salinity (e.g., 10 ppt salinity from Galveston Bay).

Of the three sets of TELs, the U.S. EPA (1996) benchmarks from the larger database were generally the lowest and were always lower than the benchmarks calculated from the Great Lakes data. Of the chemical benchmarks available in U.S. EPA (1996) and

Smith et al. (1996), only the TELs calculated for benzo(a)pyrene, arsenic, lead, and nickel were lower in the Smith et al. (1996) study. Only the TEL for arsenic was substantially lower (5.9 vs. 10.8 ppm). The lowest benchmarks from the U.S. EPA (1996) database were selected for all analytes for which they were available. For analytes that were not available in that data set (i.e., pesticides), benchmarks from Smith et al. (1996) were used. The screening benchmarks are presented in Table A-2.

All sediment data, including that collected prior to removal actions and for deep sediment cores, were screened for COCs. If the maximum concentration of a contaminant in sediment exceeded the benchmark, it was included as a COC. All water data, except data collected during removal actions, were compared to chronic AWQC. For the metals, with toxicity dependent on hardness, criteria were adjusted based on hardness measured at Sheboygan Falls Dam, the USGS Gaging Station, and Sheboygan Harbor in 1987; these were the only hardness data available. The hardness at each of the two river stations was 343 mg/L as CaCO<sub>3</sub>, whereas the hardness at Sheboygan Harbor was 160 mg/L as CaCO<sub>3</sub>. For COC screening, data from the harbor were compared to AWQC adjusted to 160 mg/L as CaCO<sub>3</sub> and data from the river were compared to AWQC adjusted to 343 mg/L as CaCO<sub>3</sub>.

## Results

As a result of the TEL-based screening, none of the measured analytes were eliminated. Table A-3 presents results of the TEL screening. Although PELs were not used for the screening, they are presented in Table A-3 to indicate the extent of contamination relative to higher benchmarks. Results from the water screening are discussed below. Because no analytes were eliminated from the sediment screening, the preliminary list of COCs includes metals (arsenic, cadmium, chromium, copper, lead, mercury, nickel, silver, zinc), PAHs, pesticides, PCBs, dibenzofuran, and TCDD/TCDF. Concentrations of PCBs and PAHs in the sediments exceeding the screening criteria were widespread and of high magnitude. Metals/metalloids are of a lesser concern because their concentrations exceeded the benchmarks at fewer locations and at lower magnitude. Pesticides and TCDD/TCDF are included only because their detection limits were much higher than the benchmarks. These substances were not detected in site sediment. Benchmark exceedances for metals/metalloids and PAHs occurred downstream of the removal action, so exclusion of data from pre-removal areas would not change the screening results for those contaminants.

**Table A-2. Benchmark concentrations for screening COCs**

	TELS AND PELs <sup>a</sup>		AWQC <sup>b</sup> (CHRONIC, µg/L)	
	METALS: mg/kg dw	OTHER COMPOUNDS: µg/kg dw	Hardness = 160 mg/L as CaCO <sub>3</sub>	Hardness = 342 mg/L as CaCO <sub>3</sub>
<b>METALS/METALLOIDS</b>				
Arsenic(III)	10.8	48.4	190	190
Cadmium	0.583	3.25	1.6	3
Chromium-Total	36.3	119.4	304	567
Copper	28	101.2	17.7	34
Lead	37.2	81.7	5.8	15
Mercury	0.174	na	0.012	0.012
Nickel	19.5	32.8	234	446
Silver	na	na	0.12	0.12
Zinc	98.1	544	158	300
<b>PAHs</b>				
Acenaphthylene	na	na	nm	nm
Acenaphthene	na	na	nm	nm
Fluorene	10	149.7	nm	nm
Phenanthrene	18.7	409.1	nm	nm
Anthracene	10	167.3	nm	nm
Fluoranthene	31.5	318.6	nm	nm
Pyrene	44.3	493.2	nm	nm
Benz(a)anthracene	15.7	284.6	nm	nm
Chrysene	26.8	406.2	nm	nm
Benzo(b)fluoranthene	27.2	157.6	nm	nm
Benzo(k)fluoranthene	27.2	157.6	nm	nm
Benzo(a)pyrene	32.4	319.8	nm	nm
Indeno(1,2,3-c,d)pyrene	17.3	239.8	nm	nm
Dibenz(a,h)anthracene	10	28.2	nm	nm
Benzo(g,h,i)perylene	15.5	251.5	nm	nm
Naphthalene	14.7	139.6	nm	nm
PAH-Total	264	3368	nm	nm
PAH-Low	76.4	1177	nm	nm
PAH-High	193	2338	nm	nm
<b>PESTICIDES</b>				
Gamma-BHC (Lindane)	0.94	1.38	nm	nm
Heptachlor epoxide	0.6	2.74	nm	nm
Dieldrin	2.85	6.67	nm	nm
p,p'-DDE	1.42	6.75	nm	nm
Endrin	2.67	62.4	nm	nm
p,p'-DDD	3.54	8.51	nm	nm
p,p'-DDT	na	na	nm	nm
Chlordane	4.5	8.9	nm	nm
Total DDT	7	4450	nm	nm
<b>PCBs/DIOXINS/FURANS</b>				
PCB-Total	31.62	245	0.014	0.014
TCDD	0.060 <sup>c</sup>	na	nm	nm
TCDF	na	na	nm	nm

Note: na - benchmark not available

nm - analyte not measured on-site, so no screening was conducted.

<sup>a</sup> Benchmarks for pesticides are from Smith et al. (1996), and for all other contaminants are from U.S. EPA (1996), except where noted for TCDD.

<sup>b</sup> Hardness was measured on site at 160 and 342 mg/L as CaCO<sub>3</sub> in the harbor and river, respectively. Water data from the harbor and river were screened to respective AWQC adjusted for hardness.

<sup>c</sup> U.S. EPA (1993b).

**Table A-3. Maximum concentrations of contaminants in sediment compared to TELs and PELs**

CONTAMINANT	SCREENING BENCHMARKS		MAXIMUM SITE CONCENTRATION			SEDIMENT CORE (WDNR DATA SET)
	TEL	PEL	RIVER (BBL 1990)	LOWER RIVER AND HARBOR (BBL 1990)	SEDIMENT TRAP (WDNR DATA SET)	
<b>Metals (mg/kg)</b>						
Arsenic	10.8	48.4	22.9	20.4	25	na
Cadmium	0.583	3.25	3.15	3.7	1.2	na
Chromium	36.3	119.4	143	414	35	na
Copper	28	101.2	159	149	63	na
Lead	37.2	81.7	716	717	110	na
Mercury	0.174	0.486	0.416	0.684	0.79	na
Nickel	19.5	32.8	90.4	354	21	na
Silver	—	—	0.63 <sup>a</sup>	0.9 <sup>b</sup>	na	na
Zinc	98.1	544	299	369	170	na
<b>Organic Compounds (µg/kg)</b>						
Total PAHs	264 <sup>c</sup>	2,338 <sup>c</sup>	4,000 <sup>d</sup>	63,300 <sup>d</sup>	43,700 <sup>d</sup>	26,010 <sup>d</sup>
Total PCBs	31.6	245	4,500,000	220	47	na <sup>e</sup>
Dioxins	0.060 <sup>f</sup>	—	<0.07 <0.12 <sup>g</sup>	<0.16-<0.25 <sup>h</sup>	na	na
Pesticides	0.6-7 <sup>i</sup>	1.38 - 62 <sup>l</sup>	<13-<5150	<12-<1800	na	na
Dibenzofuran	—	—	<400-<690	<490-<4800	na	na

Note: na - not analyzed  
 — not available

- <sup>a</sup> Silver was analyzed in a subset of 10 samples in the river.
- <sup>b</sup> Silver was analyzed in a subset of 5 samples at depths of 2-4 ft.
- <sup>c</sup> Data are not clear on how total PAHs were summed.
- <sup>d</sup> Total PAHs represent sum of acenaphthene, acenaphthylene, anthracene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-c,d)pyrene, phenanthrene, and pyrene.
- <sup>e</sup> Analyzed for individual congeners; total PCBs not summed.
- <sup>f</sup> Screening benchmark for TCDD from U.S. EPA (1993b).
- <sup>g</sup> 2,3,7,8-TCDD and 2,3,7,8 TCDF were analyzed in one sample. Detection limits are reported in wet weight.
- <sup>h</sup> Tetra- through octa-chlorinated dioxin congeners were analyzed in one harbor sample collected from 6-8 ft deep. Detection limits are reported for total TCDDs and total TCDFs in wet weight.
- <sup>i</sup> Range of TELs and PELs for individual pesticides.

Because the resulting list of COCs is so large, and some of the COCs are of greater concern due to the magnitude and extent of their exceedances, another screening procedure was considered. One option was to include all the COCs, but to qualitatively weight time exceedances. One option was to include all the COCs, but to qualitatively weight time and resources directed toward them in the ERA according to their likelihood of resulting in risk. The second option was to conduct another screening procedure, such as a comparison to background concentrations, to reduce the number of analytes considered in the risk assessment. With this option, background sediment data could be considered for comparison to metals/metalloids data (since the metals concentrations did not exceed the screen substantially for several of the metals), and background fish data could be considered for comparison to pesticide or dioxin concentrations in tissues (since the detection limits in sediment were so high). However, if these are regional contaminants, clean up actions within this one area for these contaminants would be harder to justify, although this is a risk management decision. The argument against this second screening is that if these contaminants are present in sufficiently high concentrations in sediments, they could cause effects to benthic invertebrates, for example, that could be hard to distinguish from effects from other analytes, and would make data interpretation difficult.

Because some triad analyses may be proposed as part of the field work portion of this project, a decision was made to not conduct any additional screening at this point. Instead, all potential COCs will be discussed in the ERA with respect to their likelihood for toxicity. For example, sediment concentrations of metals/metalloids will also be compared to additional and less protective benchmarks to evaluate potential toxicity (see Section 9.0). For pesticides and TCDD/TCDF, additional data will be necessary to assess potential toxicity, because the detection limits for these analytes were much higher than the benchmarks.

Lead was the only metal in water retained as a COC as a result of the screening, which compared both filtered and unfiltered water samples to chronic AWQC (hardness-adjusted where appropriate). The only exceedances of the lead AWQC (15.2  $\mu\text{g/L}$  at a hardness of 343  $\text{mg/L}$  as  $\text{CaCO}_3$ ) occurred during low-flow sampling in 1987 at the USGS Gaging Station (26  $\mu\text{g/L}$ ) and at the 14th Street Bridge (18  $\mu\text{g/L}$ ).

PCBs were frequently detected in surface water at concentrations exceeding the chronic AWQC for PCBs. PCBs were also frequently undetected, although the detection limit for PCBs in surface water was 0.05  $\mu\text{g/L}$ , exceeding the freshwater chronic AWQC of 0.014  $\mu\text{g/L}$ . Most of the detected exceedances in both filtered and unfiltered samples were from locations about 0.5 to 1 mile downstream from the Tecumseh Plant (near River Mile 13). The highest concentrations in unfiltered and filtered samples were 0.77  $\mu\text{g/L}$  collected near River Mile 12.5 and 0.49  $\mu\text{g/L}$  collected near River Mile 12, respectively.

## 4.0 SITE RESOURCES

Potential aquatic receptors in the Sheboygan River and Harbor include numerous fish and invertebrate species. Fish passage facilities are not present at the three dams; therefore, resident fish are generally restricted to the reach of the river between dams and the tributaries in that reach (although some passage may occur). Anadromous fish are restricted to the lower reach of the Sheboygan River between the mouth and Waelderhaus Dam (Eggold pers. comm. 1997). Because of the barrier that these dams impose on the fish community, this discussion focuses on each of the three reaches of the river, separated by the dams: Sheboygan Falls Dam to River Bend Dam; River Bend Dam to Waelderhaus Dam; and Waelderhaus Dam to the river mouth (Figure A-1).

The Sheboygan River within the site boundaries has year-round populations of warm-water resident fish and seasonal populations of cold-water anadromous fish. The major resident and anadromous fish species and their general habitat use of the river are present in Table A-4 (Hartig 1993).

As stated above, the movement of resident species is restricted by non-passable dams (Eggold pers. comm. 1997). The bottom fishes such as carp and white sucker are common throughout the three reaches of the river; the latter is used as a monitoring species for the accumulation of PCBs (BBL 1995a, 1996). Both species spawn during the spring, and all life stages can be found in the three reaches. Carp and suckers are primarily benthic feeders that live and feed in direct contact with the sediments (Scott and Crossman 1973).

The centrarchid species such as rock bass, smallmouth bass, and crappie are likely found in all three reaches of the river. Smallmouth bass are common to abundant in all three reaches and are commonly used as a monitoring species for PCB accumulation (Hartig 1993; BBL 1995a, 1996). The centrarchids are nearshore spring spawners that are often associated with aquatic vegetation. Young-of-the-year appear in late spring to early summer. All life stages are present within the river and movements are expected to be limited. The smaller centrarchids such as crappie and rock bass are opportunistic benthic and pelagic feeders, feeding on a variety of benthic organisms, insects, crustaceans, and small fish.

The smallmouth bass is a piscivorous predator that primarily feeds on larger fish or invertebrates such as crayfish (Scott and Crossman 1973).

Yellow perch and walleye are planktonic as juveniles. As adult fish, they are primarily piscivores, although they also consume invertebrates (Wydoski and Whitney 1979).

**Table A-4. Common species of fish and their site usage**

COMMON NAME	SCIENTIFIC NAME	SPAWNING	NURSERY	ADULT FORAGE
<b>Resident Species</b>				
Carp	<i>Cyprinus carpio</i>	√	√	√
White sucker	<i>Catostomus commersoni</i>	√	√	√
Yellow perch	<i>Perca flavescens</i>	√	√	√
Channel catfish	<i>Ictalurus punctatus</i>	√	√	√
Gizzard shad	<i>Dorosoma cepedianum</i>	√	√	√
Alewife	<i>Alosa pseudoharengus</i>	√	√	√
Smallmouth bass	<i>Micropterus dolomieu</i>	√	√	√
Rock bass	<i>Ambloplites rupestris</i>	√	√	√
Walleye	<i>Stizostedion vitreum</i>	√	√	√
Northern pike	<i>Esox lucius</i>	√	√	√
Crappie	<i>Pomoxis spp.</i>	√	√	√
Brook trout	<i>Salvelinus fontinalis</i>		√	
Lake trout	<i>Salvelinus namaycush</i>		√	√
Lake whitefish	<i>Coregonus clupeaformis</i>			√
Round whitefish	<i>Prosopium cylindraceum</i>			√
<b>Anadromous Species*</b>				
Coho salmon	<i>Oncorhynchus gorbuscha</i>		√	
Chinook salmon	<i>Oncorhynchus tshawytscha</i>		√	
Steelhead trout	<i>Oncorhynchus mykiss</i>		√	
Brown trout	<i>Salmo trutta</i>		√	

\* Spawning of salmonids does not occur within the site boundaries.

The gizzard shad and alewife are likely found in slow-moving sections throughout the river but may be more prevalent in the lower river and harbor because of a preference for lake environments. They are spring spawners and generally opportunistic pelagivores that feed on zooplankton (Scott and Crossman 1973).

Larger residents, such as channel catfish, northern pike, and walleye are probably most common in the lower reach and harbor. Walleye and channel catfish are known to migrate from the lake to lower rivers, while the northern pike is usually a shallow-water resident associated with aquatic vegetation. These three species are also spring spawners and likely all life stages are present in the lower river, although the walleye and catfish may be transient as adults. Walleye and pike are upper-trophic-level predators that feed primarily on fish. Channel catfish are opportunistic benthic feeders, although larger catfish can be highly piscivorous (Scott and Crossman 1973).

The whitefish and trout are cold-water species that likely have a limited presence in the river within the site boundaries. The lake trout is a large lake dweller so would be restricted to the harbor area (Scott and Crossman 1973).



The anadromous salmonids are maintained by a stocking program administered by WDNR. Juveniles are released into the lower river where they are reared until smolt size, after which they migrate to the open waters of Lake Michigan where they spend their adult life. After 2-5 years in the lake, the salmonids return to the lower river during spawning runs. However, suitable spawning habitat is not present in the lower river, thus successful spawning does not occur. Three strains of steelhead trout are planted in the lower-river, late summer, early winter, and spring varieties; the seasonal designation indicates the time at which the spawning run occurs in the river. Chinook and coho salmon return to the lower river during the fall months. This management program would indicate that either planted juveniles or adults on spawning runs are present in the lower river year-round (Eggold pers. comm. 1997). Juvenile salmonids are opportunistic, feeding on benthic species and insects. Adults within the lake are top predators within the aquatic food web, feeding primarily on alewife and other forage fishes (Scott and Crossman 1973).

WDNR discontinued its stocking program of anadromous salmonids in the Sheboygan River in 1987 because of sediment contamination by PCBs. In 1990, the agency initiated a salmonid PCB accumulation study to assess the viability of reintroducing the stocking program. Juvenile steelhead and coho salmon were released in the river and upon returning as adults, were analyzed for PCBs. The results indicated that total PCB concentrations in filets of subadult and adult coho salmon and steelhead did not significantly differ from those in subadults and adults returning to reference area rivers (Eggold pers. comm. 1997). Because of these data, the salmonid stocking program in the Sheboygan River was reintroduced in 1994 (BBL 1995a; Eggold pers. comm. 1997).

## 5.0 PATHWAY ANALYSIS

Upland soils, surface water, and sediments have been contaminated in the Sheboygan River and Harbor area. Transport and fate processes are redistributing these contaminants and in some cases making them available to biota in the area. Although some processes serve to render contaminants unavailable (e.g., volatilization and sorption), other processes increase the bioavailability of the contaminants (e.g., dissolution and bioaccumulation). The relative importance of each process is determined by site-specific and chemical-specific processes as well as the behavior and susceptibility of receptor species. Based on these considerations, the exposure pathways of concern for this assessment were identified to be 1) uptake from contaminated sediments and water in the Sheboygan River and Harbor, and 2) uptake via the food chain within the contaminated habitats. These pathways are identified because many of the COCs have a high affinity for solids and because some of the COCs bioaccumulate. Toxicological mechanisms of the COCs are summarized briefly in Table A-5.

**TABLE A-5. General ecotoxicity of selected  
contaminants of concern**

CONTAMINANT OF CONCERN	TOXIC EFFECTS
<b>Metals/Metalloids</b>	
Arsenic (Eisler 1988; Mance 1987)	<ul style="list-style-type: none"> <li>• Reduced survival and reproduction in fish and aquatic invertebrates.</li> <li>• Reduced survival, physiological dysfunction, carcinogenesis, mutagenesis, and teratogenesis in birds and mammals.</li> </ul>
Cadmium (Eisler 1985)	<ul style="list-style-type: none"> <li>• Reduced growth, reduced survival, reduced fecundity, respiratory disruption, and molt inhibition in marine organisms at low ambient concentrations.</li> <li>• Avian species comparatively resistant at low doses; reduced egg production and growth retardation, anemia, and testicular damage at higher doses.</li> </ul>
Chromium (Eisler 1986a)	<ul style="list-style-type: none"> <li>• Reduced survival and fecundity in aquatic invertebrates and reduced survival and growth in fish.</li> <li>• Avian species relatively resistant; teratogenesis and reduced growth and survival at relatively high, long-term doses.</li> </ul>
Copper (Mance 1987; ATSDR 1990)	<ul style="list-style-type: none"> <li>• Mortality and reduced growth in aquatic invertebrates and mortality and behavioral changes in fish; invertebrates generally more sensitive than fish.</li> <li>• Mortality, developmental effects, genotoxic effects, and carcinogenesis in birds and mammals.</li> </ul>
Lead (Eisler 1988)	<ul style="list-style-type: none"> <li>• Reproductive impairment, reduced biomass, and decreased survival in aquatic invertebrates.</li> <li>• Anemia, enzyme inhibition, teratogenesis, growth reduction, and reduced survival in fish.</li> <li>• Mortality, neurotoxicity, muscular paralysis, inhibition of heme synthesis, kidney and liver damage, and reproductive impairment in birds.</li> <li>• Carcinogenic in some mammals.</li> <li>• Reproductive toxin in mammals.</li> </ul>
Mercury (Eisler 1987a; Mance 1987)	<ul style="list-style-type: none"> <li>• Mortality, reproductive impairment, and neurotoxicity in fish.</li> <li>• Mortality, reduced growth, and behavioral changes in aquatic invertebrates.</li> <li>• Mortality, neurotoxicity, and teratogenesis in birds.</li> <li>• Carcinogenic in some mammals.</li> <li>• Effects occur at low doses in both invertebrates and vertebrates.</li> </ul>
Nickel (Mance 1987; ATSDR 1993)	<ul style="list-style-type: none"> <li>• Mortality and deformity in fish.</li> <li>• Mortality, abnormal development, and reduced larval growth in aquatic invertebrates.</li> <li>• Mortality, immunological, neurological, developmental, and reproductive effects; genotoxic and carcinogenesis in birds and mammals.</li> </ul>
Zinc (Eisler 1993; ATSDR 1992)	<ul style="list-style-type: none"> <li>• Mortality, abnormal growth and development, reproductive impairment, and reduced larval settlement in aquatic invertebrates.</li> <li>• Mortality, reduced growth, teratogenesis, and reproductive impairment in fish.</li> <li>• Mortality, immunological, developmental, and reproductive effects; genotoxicity and carcinogenesis in birds and mammals.</li> </ul>

CONTAMINANT OF CONCERN	TOXIC EFFECTS
<b>Organic Compounds</b>	
PCDDs/PCDFs (Eisler 1986b)	<ul style="list-style-type: none"> <li>• Growth retardation, fin necrosis, and mortality in fish at very low exposure concentrations.</li> <li>• Severe emaciation, loss of appetite, muscular incoordination, tremors spasms, convulsions, chick edema disease, and mortality at very low doses in birds.</li> <li>• Reproductive impairment, embryo toxicity, and developmental deformities in birds.</li> </ul>
PAHs (Eisler 1987b)	<ul style="list-style-type: none"> <li>• Tumorigenic in fish; inhibited reproduction and emergence in aquatic invertebrates.</li> <li>• Toxicity most pronounced among crustaceans and least pronounced among teleosts.</li> <li>• Reduced embryo survival and development in birds.</li> <li>• Mutagenic, carcinogenic, and teratogenic in birds and mammals.</li> </ul>
p,p'-DDT, p,p'-DDD and p,p'-DDE (Adams et al. 1987; Hose et al. 1989; Smith and Cole 1973; Word et al. 1987)	<ul style="list-style-type: none"> <li>• Mortality and behavioral alterations in aquatic invertebrates.</li> <li>• Mortality, reproductive impairment, and teratogenicity in fish with elevated tissue concentrations.</li> <li>• DDT and metabolites cause reduced reproduction (i.e., eggshell thinning) in birds.</li> </ul>
PCBs (Geisy 1994; Eisler 1986c)	<ul style="list-style-type: none"> <li>• Reproductive impairment in fish and aquatic invertebrates.</li> <li>• Reproductive, behavioral, mutagenic, carcinogenic, and teratogenic effects in some birds and mammals.</li> </ul>

In sediments, metals/metalloids are persistent substances that are primarily taken up through direct contact between sediments and sediment pore water and the dermis/gills of benthic organisms and bottom fish (Clement Associates 1985). Direct uptake can also occur in the water column by pelagic organisms. In addition to direct exposure, some metals such as mercury and, to a lesser extent, lead accumulate through the food chain posing threats to higher-level consumers. Exposure of fish to mercury and lead is primarily through ingestion of contaminated food sources, with lesser exposure through incidental ingestion of contaminated sediments.

The chlorinated hydrocarbons DDT, PCBs, and polychlorinated dibenzo-p-dioxins/polychlorinated dibenzofurans (PCDDs/PCDFs), are persistent and, because of their hydrophobic nature and general resistance to metabolism, they tend to biomagnify. The primary exposure pathway for sediments contaminated by these compounds is via their accumulation directly from sediment and sediment pore water into the dermis/gills of benthic invertebrates and fish, and through ingestion of these organisms by upper-trophic-level organisms. In addition, some exposure will occur through the incidental ingestion of contaminated sediments or through direct uptake from water.

High molecular weight PAHs are not highly volatile and can be persistent in sediments (Clement Associates 1985). In organisms that are incapable of metabolizing PAHs, these compounds bioaccumulate (Eisler 1987a). Primary exposure to PAHs occurs through direct contact between sediment and sediment pore water and the dermis/gills of benthic organisms and bottom fish. For upper-trophic-level organisms, exposure occurs primarily through the food chain and incidental ingestion of sediment.

## 6.0 SELECTION OF ROCs

The following eight criteria were considered in the selection of ROCs (not in any particular order):

- Trophic level
- Feeding regime; bottom feeder vs. pelagic
- Sensitivity to COCs
- Site use
- Availability of relevant data
- If data exist, lipid-based concentrations in tissues
- Human or ecological importance (e.g., sport fishing)
- Availability and appropriateness of toxicological data

Based on the above criteria, four ROCs are proposed: benthic invertebrates, smallmouth bass, white sucker, and longnose dace. Benthic invertebrate species were selected because of exceedances of benthic TELs by a wide array of contaminants, sometimes by

large amounts. The adult smallmouth bass was selected as representative of an upper-trophic-level, pelagic fish with data available and human importance. White sucker was selected as a representative bottom feeder, with data available. Longnose dace was selected because it has a different exposure route (insectivore) and because site data are available from the food chain study. Salmonids were also considered as potential ROCs. Reasons for including them as an ROC are: 1) steelhead, chinook, and coho fry are stocked in the lower river; 2) all are sensitive to the COCs; and 3) some historical data exist. Reasons for their exclusion are: 1) their low site usage (they leave the river soon after they are stocked); and 2) the results of the 1987-1990 study in which juveniles and adults were analyzed and their concentrations were not significantly higher than those found basinwide (Eggold pers. comm. 1997), which resulted in the removal of the anadromous fishery ban. At the June 17 meeting at WDNR, a decision was made not to include salmonids as ROCs but to discuss qualitatively potential impacts to their species using whatever mass loading data may be readily available.

Other species that were considered include unionid mussels and forage fish. Mussels were eliminated because no major beds have been identified within the site. A forage fish with reasonable site fidelity and a relatively high benthic species diet may be considered in the ERA. This fish, preferably a young-of-the-year, could provide useful information regarding exposure to terrestrial organisms as well as an additional indicator of uptake in the middle of the food web (between smallmouth bass and carp). The specific forage fish species will not be designated at this time because species availability (sufficient numbers for collection) is often not known until the field effort begins. Forage fish may be used only for information purposes and not analyzed as an ROC. A fish of this type was useful in the Hudson River analysis (Field pers. comm. 1997). It is likely that data on young of the year smallmouth bass from the food chain study will be used in the forage fish analysis.

## 7.0 CONCEPTUAL MODEL

The intent of the conceptual model is to describe how biota may be exposed to site-related contaminants. The ultimate goal of the model is to show that exposure pathways are complete, and to define assessment and measurement endpoints consistent with the transport, fate, and toxicological characteristics of the COCs, as well as the key habitats, exposure pathways, and sensitivities of ROCs. Much of this information has been presented in brief in this technical memorandum, but will be explored in greater detail in the ERA.

The preliminary aquatic food web is presented in Figure A-2. Two key observations from this food web include: 1) the number of levels through which bioaccumulation, and possibly biomagnification, may occur for different types of fish, and 2) differing relative exposure pathways via sediment, water, and the food chain. ROCs were selected to

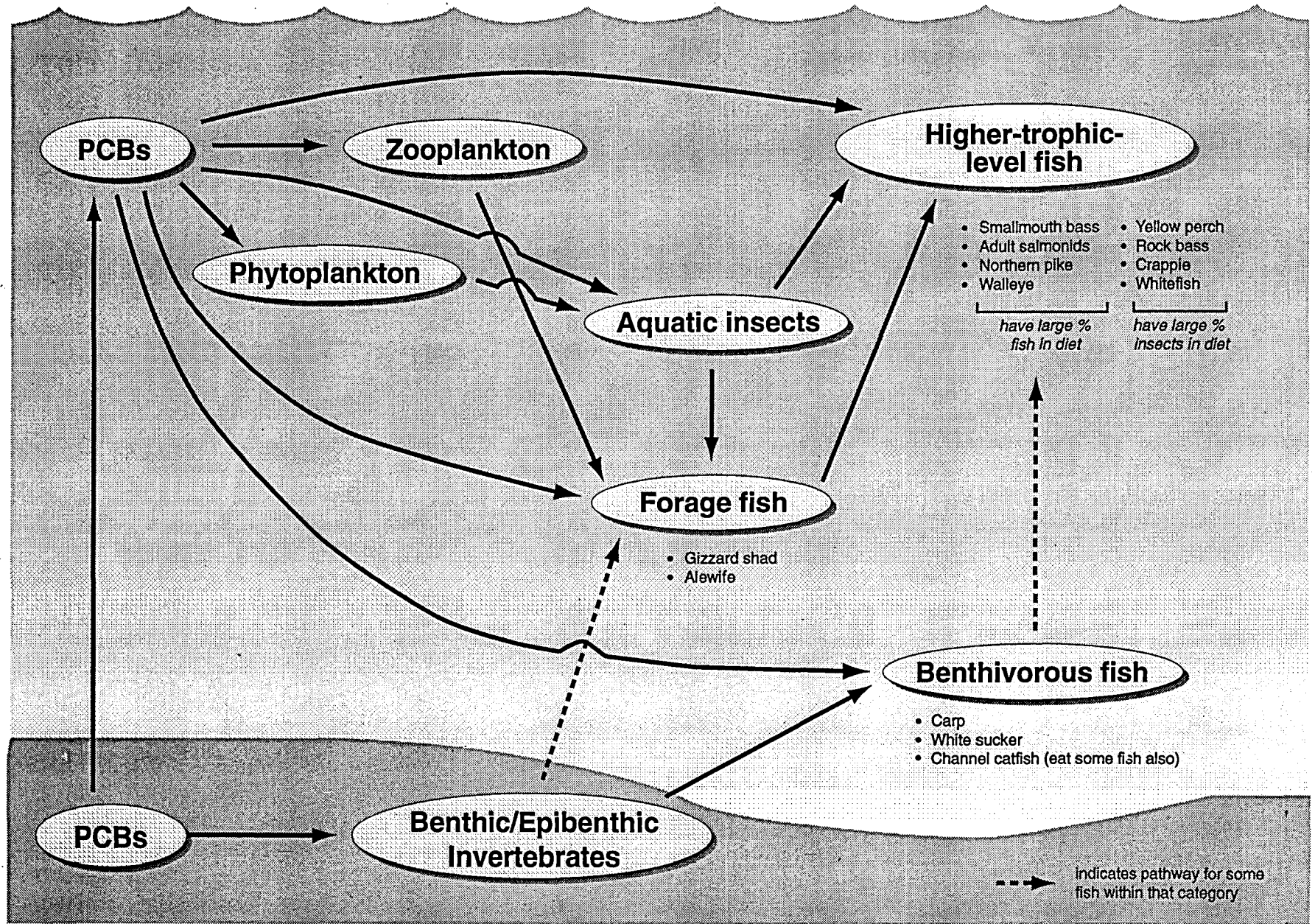


Figure A-2. Tentative food web for Sheboygan River and Harbor

include upper-trophic-level fish (smallmouth bass) and fish exposed directly to sediment (white sucker).

In addition to aquatic receptors, terrestrial receptors may be potentially at risk because of contaminants present at the site. Of the more than 100 bird species inhabiting the Sheboygan River area, at least one-third rely on aquatic habitat for feeding and/or breeding. Aquatic mammal species known to inhabit the site include mink, beaver, and muskrat. At least 10 species of reptiles and amphibians are associated with aquatic habitats at the site.

A series of wildlife toxicity field studies designed to monitor the biological impacts of aquatic contamination are currently in progress (Patnode pers. comm. 1997). Tree swallows are being used to monitor the transfer of PCBs from sediment to nestlings. Growth rate, hatching success, PCB accumulation, and liver EROD activity are being monitored. Snapping turtle hatchlings have been raised from eggs collected in the Sheboygan River as part of another study. Some will be necropsied to evaluate health impacts and some will be marked and released back to the Sheboygan River. Periodic sampling will be undertaken in an attempt to recapture the marked individuals for additional analysis. A field exposure study is also underway using mudpuppies, an amphibian common to rivers in the region, but not found in the Sheboygan River. Animals will be collected after 30 and 45 days of exposure, necropsied, and analyzed for liver enzyme activity, contaminant accumulation, and presence of potentially pathogenic microbes.

The only threatened or endangered terrestrial species known to inhabit the Sheboygan River and Harbor area is the American peregrine falcon (Katsma pers. comm. 1997). An active peregrine falcon nest exists near the Edgewater Power Plant at the mouth of the river. There are no officially recognized critical wildlife refuges within the Sheboygan River area (Patnode pers. comm. 1997).

U.S. EPA will be the technical lead for the terrestrial ERA and will work in cooperation with WDNR and EVS. Likely ROCs include the great blue heron and mink (Chapman 1997). This part of the ERA will be conducted with data from the food chain study as well as the upcoming August field effort (see work plan). A complete conceptual model for these receptors is forthcoming.

## 8.0 ASSESSMENT AND MEASUREMENT ENDPOINTS

It would be very costly and substantially redundant to explicitly consider the health and viability of every ecological receptor at the site in the ERA. Therefore, key components of the ecosystem were selected to reflect the diversity and value of the ecosystem as a whole.

As defined in U.S. EPA (1997), assessment endpoints are explicit expressions of the actual environmental values that are to be protected. Measurement endpoints are measurable responses to a stressor that are related to the valued characteristics chosen as the assessment endpoints. Measurement endpoints can be directly investigated in field studies.

Proposed assessment endpoints include:

- Maintenance of a healthy benthic community with respect to diversity and abundance in the Sheboygan River and Harbor to serve as a sufficient food supply for aquatic, mammalian, and avian species
- Protection of fish species from reproductive and other adverse effects

Proposed measurement endpoints include:

- A sediment quality triad approach to assess the health of the benthic community
- Analysis of fish tissues for concentrations of site-related contaminants associated with reproductive effects, such as PCBs and dioxin/furan compounds (compared to literature toxicity thresholds)
- Analysis of biochemical parameters, histology of selected organs, and contaminant residues and metabolites in white suckers for impacts from PAH and other compounds, based on research conducted by Schrank et al. (1997)

The sediment quality triad uses a weight-of-evidence approach to assess the health of the benthic community from sediment-associated contaminants. The triad consists of three synoptic measures - bulk sediment chemistry, sediment laboratory bioassay testing, and benthic community structure analyses - in sediment at the site compared to the same measures of sediment quality at appropriate reference stations.

Tissue concentrations in fish will be compared to toxicological benchmarks that relate toxicity equivalence factors (TEFs) calculated from PCB congener (specifically nonortho-



substituted coplanar congeners) and dioxin/furan data to reproductive effects. If sufficient data are not available, either additional sampling will be conducted or total PCB concentrations will be compared to corresponding toxicological benchmarks, although the latter option introduces higher uncertainty. In addition, as necessary, tissue concentrations of other bioaccumulative contaminants will be evaluated.

## **9.0 DATA GAPS**

There are two main goals that have been identified for this ERA. One is to assess risk to species occupying the site, and another is to calculate protective sediment concentrations for these species.

To accomplish these goals, existing data at the site have been reviewed to assess their adequacy with respect to appropriateness and coverage. The frequency, location, and timing of fish and sediment sampling were compared to determine if protective sediment concentrations could be calculated with the existing data.

The key question is whether existing data are sufficient to address the measurement endpoints listed in Section 8.0. Specifically, 1) are sediment data sufficient to identify risks to benthic species and to propose protective sediment concentrations for benthic species; and 2) are fish and sediment data sufficient to assess risks to the reproductive viability of fish populations and to propose protective sediment concentrations for fish. With respect to benthic species, the spatial extent and magnitude of various benchmarks must be evaluated to determine whether toxicity to benthic species is likely to be a key concern. This determination is somewhat subjective. With respect to fish, because PCB concentrations are sufficiently elevated, the key question is whether data are sufficient to assess risks and to relate fish viability to sediment concentrations or whether additional data will be needed.

### **Data for Assessing Risk to Fish**

PCBs are likely to be the major risk driver for fish. Ideally, fish data with PCB congener analyses would be colocated with sediment data collected within the same segment and during the same year to assess potential risks to fish and to relate these risks to sediment concentrations. Congener analyses are preferred because effects to fish and partitioning behavior can be more accurately predicted on a congener-specific basis relative to a total PCBs basis.

PCB congeners were analyzed in sediment cores collected by WDNR in February 1995 as part of the food chain study. The river can be divided into three segments separated by the dams:

- Segment 1: Sheboygan Falls Dam to the River Bend Dam
- Segment 2: River Bend Dam to the Waelderhaus Dam
- Segment 3: Waelderhaus Dam to the Sheboygan Harbor

Five stations were sampled for PCB congeners in each of Segments A-1 and A-2, and nine stations were sampled in the lower one-third of Segment 3 (Figure A-3). No stations were located in the harbor. In addition, as part of the food chain study, sediment samples also were analyzed for metals and PAH compounds. No sediment samples have been analyzed for dioxin/furan compounds.

Additional PCB congener data may be available for the sediments. In conversations with WDNR (Aartila pers. comm. 1997), Tom Aartila mentioned that additional sediment sampling had been conducted during the fall of 1996 and in May 1997. Details of these sampling events, including whether PCB congeners were analyzed, are needed because the likelihood of using these data is good provided appropriate data quality objectives were met, and the laboratory turn-around time is such that the data would be available in November 1997.

Fish tissue data were reviewed for PCB congener analyses as well. Prior to 1994, no congener analyses have been conducted on fish tissue collected from Segments 1 or 2. In Segment 3, the only available congener data for fish tissue were from white sucker collected in 1994 near the Pennsylvania Ave. Bridge and from carp, smallmouth bass, and rock bass collected in 1988 or 1989 near Kiwanis Park (Figure A-3). Congener analyses were also conducted on white sucker tissue collected upstream of the site near Franklin in 1994.

However, in 1994, as part of the food chain study, PCB congeners were analyzed in three species of resident fish: smallmouth bass, white sucker, and longnose dace. Since these data were collected at the same time as the sediment data in the food chain study, these data will be used in the ERA. However, dioxin and furan compounds were not analyzed in the fish or sediment samples, and many of the important PCB congener detection limits were too high.

The available fish tissue data were also reviewed for other bioaccumulative substances to assess whether conclusions could be drawn about the likelihood of risks from contaminants such as dioxin, mercury, and pesticides. These data could potentially answer two questions. The first question is whether concentrations in fish at the site are elevated compared to regional background concentrations. The second question is

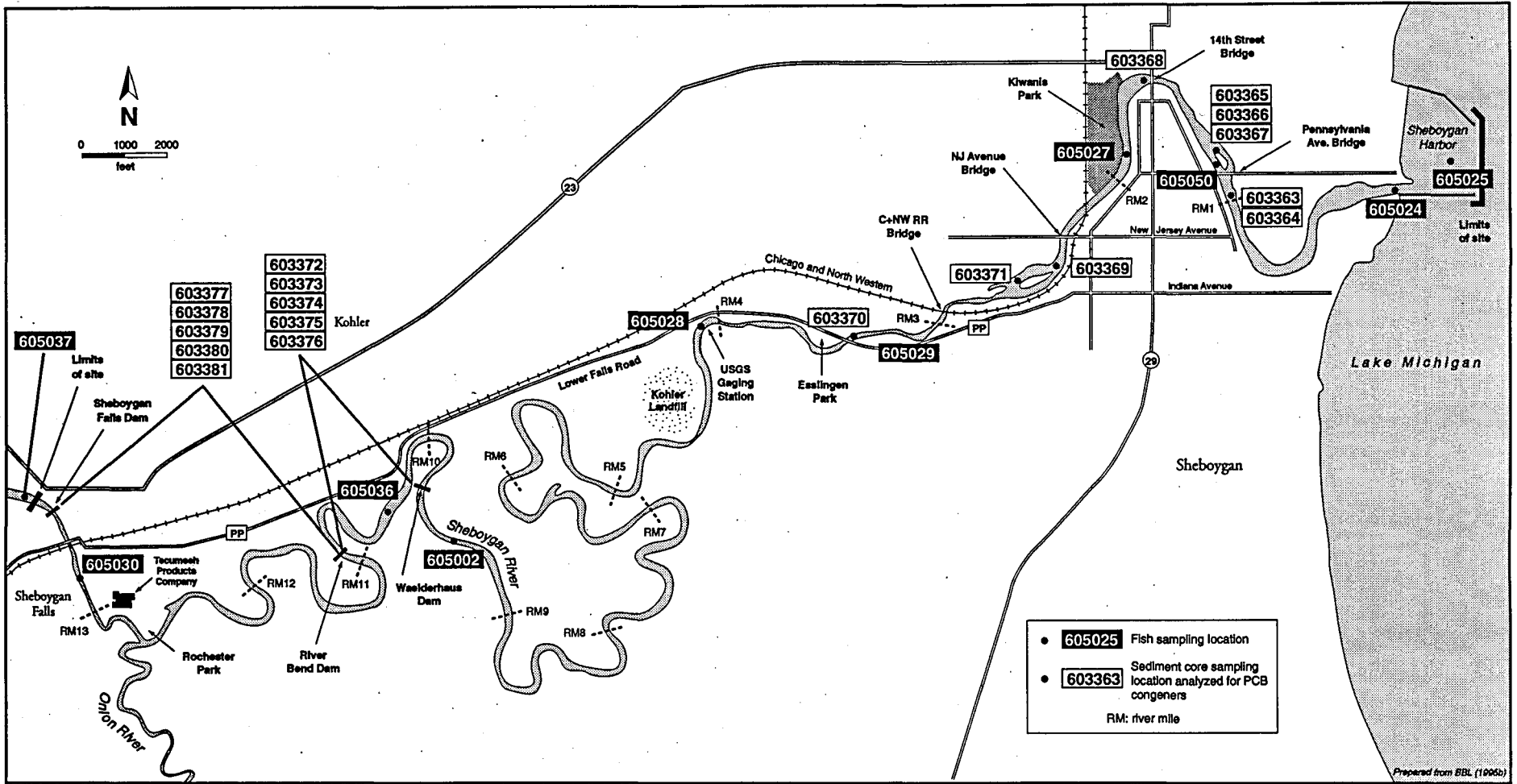


Figure A-3. Locations of WDNR sediment core and fish sampling locations

whether tissue concentrations are likely to be posing a risk to fish from these contaminants. Available data to address these questions are as follows.

Dioxins have not been measured in fish upstream of the site, so a background comparison for those contaminants is not possible with these data. However, some older data (1982, 1983, and 1989) from carp, smallmouth bass, and chinook salmon collected within Segment 3 and the harbor are available for comparison to benchmarks. While these data may provide an indication of whether dioxins/furans are likely to be a risk factor at the site, several limitations should be noted. First, the data are old. Second, the data are not from the segment with the highest PCB concentrations, where elevated concentrations of dioxins might be expected assuming that PCBs and dioxins covary. While specific dioxin sources are not known, dioxin and furan contamination is sometimes related to PCB contamination, so it is possible that Segments 1 and 2 may have had higher dioxin concentrations than the lower river. With respect to the age of the data, if sources of dioxin have been reduced, the older data would provide an overestimate of current dioxin exposures, and thus a protective estimate of risks to determine whether additional sampling may be warranted.

In 1994, northern pike, smallmouth bass, white sucker, and carp were analyzed for pesticides (chlordane, BHC, p,p'-DDD, p,p'-DDE, p,p'-DDT, dieldrin, and heptachlorepoxyde) from stations upstream of the site. A comparison could be made between carp collected in Segment 3 and carp collected from a background station in 1994; however, only one fish was collected from each area so the comparison could not be statistically evaluated. Some older data also exist for site fish, but most of these data are from the late 1970s and 1980s, and most of the 1980s data are for salmonids. In addition, tissue concentrations could be compared with benchmarks for pesticides, if available. Note that in Schrank et al. (1997), p,p'-DDE was noted to be higher in white sucker collected near the mouth of the Sheboygan River relative to white sucker collected upstream of the Sheboygan Falls Dam.

With respect to mercury, background tissue concentrations were measured in smallmouth bass, northern pike, and white sucker collected upstream of the site in 1994. In the 1980s, fish were collected in Segments 1 and 3 and analyzed for mercury. Site fish included walleye, carp, rock bass, and smallmouth bass. Schrank et al. (1997) also compared the concentration of mercury in site and reference white suckers collected in 1994 and found the differences to not be statistically significant.

In summary, the data do not appear to be sufficient to determine current risks to site fish or to calculate protective sediment concentrations. The most important data gap is the paucity of data linking dioxin and furan concentrations with PCB congeners in the fish and sediment samples collected throughout the river.

## Data for Assessing Risk to Benthic Species

Benthic species may be adversely affected by elevated concentrations of the COCs in the sediments. The goal of this discussion is to evaluate the results of past sediment data to later focus the risk assessment on priority COCs and to determine where additional sampling should be conducted. Since no triad data were collected, past sediment data cannot be used in a triad approach to assess the health of benthic organisms.

### *Metals/Metalloids*

Four data sets are available for metals/metalloids in sediment: 1) sediment data collected from about 90 locations throughout the river in 1987 at various depths, 2) sediment data collected from 20 locations in the lower river and harbor in 1987, 3) sediment data collected from traps monitored by WDNR from 1990 to 1996 at 9 locations in the river, and 4) sediment data collected in 1994 as part of the food chain study. These data can provide the following types of information,

- The magnitude of past TEL and PEL exceedances can provide an indication of the likelihood for effects
- The locations of PEL exceedances can provide guidance for future sampling locations
- The concentrations of specific metals in surficial data in 1987 relative to the corresponding concentrations of these metals in the trap study can provide an indication of whether metals input to the site appears to be increasing or decreasing through 1996

Table A-3 summarizes the maximum concentrations of metals/metalloids relative to the TEL and PEL screening guidelines, and the results are briefly discussed below. Note that no PELs were exceeded in the food chain study data set collected in 1995.

None of the arsenic concentrations in any of the studies exceeded the PELs, and relatively few exceeded the TELs.

For cadmium, most of the concentrations in the river were below reported detection limits, which ranged from about 0.7 to 1.0 mg/kg. This detection limit exceeds the TEL of 0.583 mg/kg, but not the PEL of 3.25 mg/kg. No concentrations of cadmium in the river exceeded the PEL. Cadmium was frequently detected at concentrations above the TEL in the river, although spatial trends were not apparent. In the lower river and harbor, only one sample exceeded the PEL (3.7 vs. 3.25 mg/kg). At five locations in the

sediment trap study, cadmium slightly exceeded the TEL, but no concentrations in the sediment trap study exceeded the PEL.

For chromium, about 21 locations in the river had concentrations exceeding the TEL, and two upper river locations had concentrations exceeding the PEL. Chromium concentrations were generally higher in the lower river than in the harbor or in the river above River Mile 1. Six locations in the lower river had concentrations exceeding the PEL. All of the PEL exceedances were in the lower river at depths greater than 2 ft. None of the sediment trap samples had chromium concentrations exceeding the PEL.

At about 36 locations in the river, concentrations of copper exceeded the TEL, and at four upper river locations, copper concentrations exceeded the PEL. In the lower river, the TEL was frequently exceeded in surficial sediments. The PEL was exceeded at six locations in the lower river, but never at depths less than 2 ft. Copper concentrations increased with depth in the lower river. In the harbor, the TEL was exceeded infrequently at two locations, at depths below 0.5 ft. Copper exceeded the TEL at five sediment trap locations in the river, but none of the samples exceeded the PEL.

For lead, concentrations did not exceed the TEL at locations upstream of River Mile 11, but exceeded the TEL at three locations upstream from River Mile 3, and at about 22 locations downstream from River Mile 3. The PEL was exceeded at 8 locations in sediment cores taken at depths ranging from 0-2 to 0-4 ft. Concentrations of lead were higher in the lower river than in the harbor, with all lower river locations having exceedances of the PEL. The most frequent exceedances were at depths below 0.5 ft, but three lower river locations had PEL exceedances at depths of 0-0.5 ft. In harbor sediment samples the maximum concentrations at two locations exceeded both the TEL and PEL.

Concentrations of mercury exceeded the TEL at 12 of 95 locations sampled throughout the river in 1987, but did not exceed the PEL at any of those 95 locations. Most of the TEL exceedances were in the vicinity of River Bend Dam and between River Mile 1 and 1.5. In the harbor, mercury did not exceed the TEL. The TEL was exceeded in 9 of 10 lower river stations. At only two of these stations was the TEL exceeded in the surface sediments (0-0.5 ft) (0.211 and 0.350 mg/kg). At the remaining stations, exceedances occurred below 0.5 ft. The PEL was exceeded at three locations in the lower river, but only at depths greater than 8 ft.

Concentrations of nickel exceeded the TEL at 16 of 95 locations sampled throughout the river in 1987, and exceeded the PEL at 5 stations. Most exceedances were in the lower 3 miles of the river. The TEL was slightly exceeded at only 2 locations in the harbor (maximum of 33.4 mg/kg at 2- to 4-ft depth). The TEL was frequently exceeded at lower river stations, but mostly in deeper cores; only 3 surface samples exceeded the TEL and

only one exceeded the PEL. PEL exceedances in the lower river occurred mostly at depths below 4 ft.

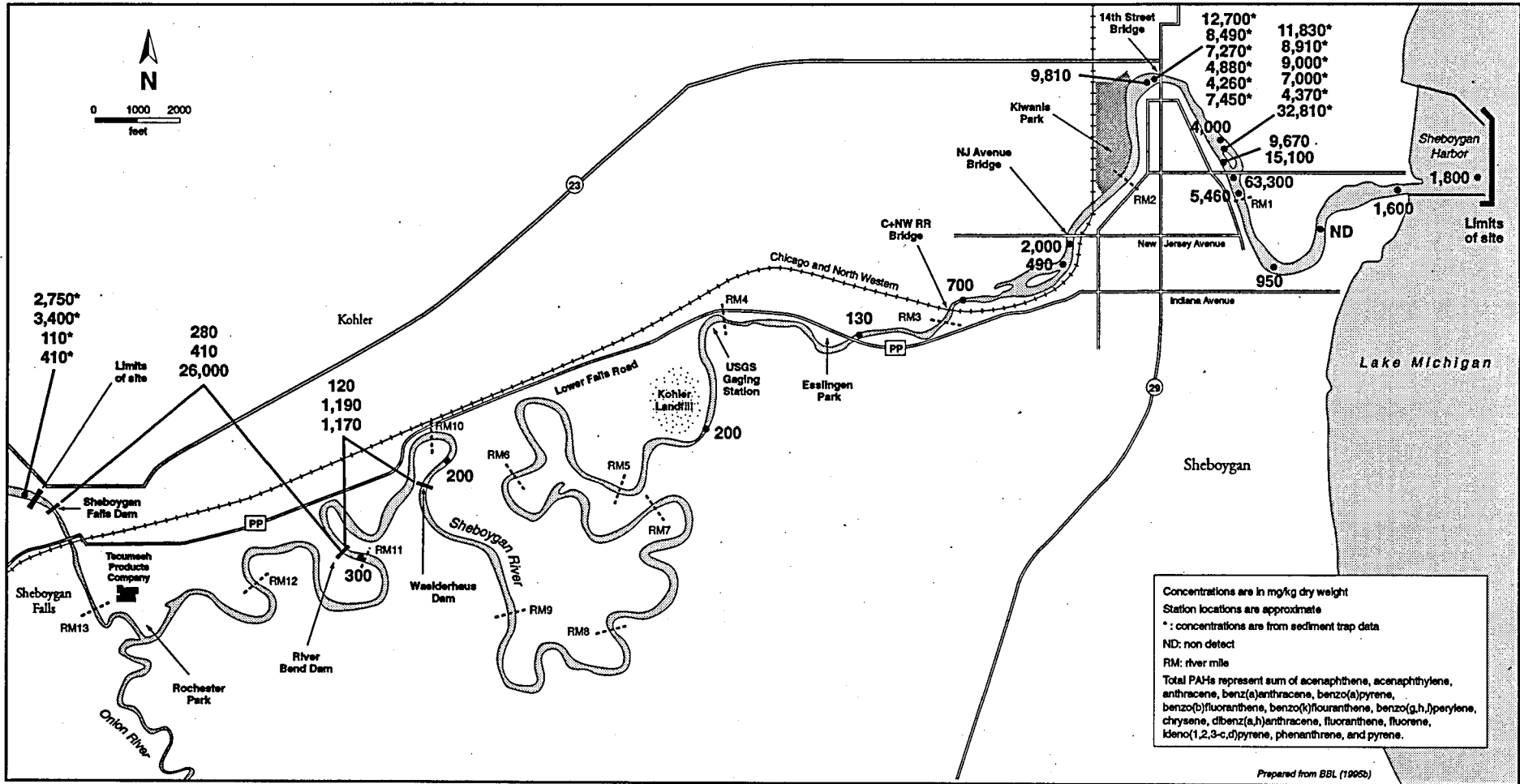
For zinc, the TEL was exceeded at 14 locations sampled throughout the river in 1987: three locations between River Mile 12 and the Waelderhaus Dam, and the rest below River Mile 3. Concentrations of zinc did not exceed the PEL in any studies. Only one exceedance of the TEL was found in the harbor at a depth of 2-4 ft, but in the lower river all locations had TEL exceedances throughout the core depths.

In summary, most of the PEL exceedances by metals were in the lower river area (River Miles 0 to 3). Lead appears to be the most potentially problematic metal. However, as shown in Table A-3, only the PEL for lead was exceeded (110 vs. 81.7 mg/kg) in the sediment trap data, which is more indicative of current conditions. Because PELs were exceeded for cadmium, chromium, copper, lead, mercury, and nickel in sediment samples taken throughout the river and harbor in 1987, these data may indicate that metals concentrations are decreasing in the river. However, the comparison is weakened because the 1987 data are for sediment cores, which can include relatively old sediment at depth, and the 1995 sediment traps include only sediment currently settling out from the water column.

### ***PAH Compounds***

PAHs were analyzed in 10 sediment samples collected throughout the river, in 5 samples collected from the 2- to 4-ft depth in the lower river and harbor, in sediment trap samples collected at 5 locations between 1994 and 1996, and in sediment core sampling locations throughout the river in 1995. Figure A-4 shows the distribution of total PAHs in the sediments of the Sheboygan River and Harbor site (note figure does not contain data from the food chain study).

Concentrations of total PAHs exceeding the TEL (264  $\mu\text{g}/\text{kg}$  total PAH) were observed in all three reaches of the river, but the highest and most prevalent elevations were observed in the lower reach within 2 miles of the mouth. Most detected concentrations within 2 miles of the mouth were an order of magnitude above the screening value, ranging from 950  $\mu\text{g}/\text{kg}$  to 63,300  $\mu\text{g}/\text{kg}$ . In the food chain study, the concentration of total PAH compounds was approximately 3,500 mg/kg, dw, at 3-foot depth in the sample collected near the Camp Marina. Two measurements within Sheboygan Harbor were at concentrations approaching an order of magnitude above screening values (1,600 and 1,800  $\mu\text{g}/\text{kg}$ ). Most of the total PAH-concentrations upstream of the New Jersey Avenue Bridge in Segment 3 were near the screening value with four additional detections exceeding 1,000  $\mu\text{g}/\text{kg}$ . A sediment trap station located upstream of site boundaries showed somewhat elevated concentrations ranging from 110 to 3,400  $\mu\text{g}/\text{kg}$  indicating the possibility of non-site related contributions.



**Figure A-4. Concentrations of total PAHs in sediment in historical site data**



## **PCBs**

Total PCBs at concentrations above the PEL were widespread in surface sediments of all three reaches of the Sheboygan River. The highest concentrations were observed in the upper reach between Sheboygan Falls and River Bend Dams before the removal actions. Concentrations as high as 4,500 mg/kg were observed and nearly all detections exceeded PELs. High concentrations were observed after the removal actions as well; most detections still exceeded the PEL with maximum concentrations of 295 mg/kg. Somewhat lower concentrations were observed in the lower two reaches of the river and within the harbor; however, most detected levels exceeded the PEL.

In surface sediments at 19 stations between the River Bend and Waelderhaus Dams, total PCB concentrations in surface sediments ranged from 1.4 to 890 mg/kg. PCBs exceeded the PEL at 17 of the 19 stations. In the reach between the river mouth and Waelderhaus Dam, detectable concentrations were lower, ranging from 0.03 to 17 mg/kg. More than 70 percent of the sediment samples contained detectable concentrations exceeding the PEL. The lowest concentrations were observed in the harbor; surface sediment concentrations ranged from 0.026 to 0.72 mg/kg. In 10 sediment cores collected the harbor, concentrations in the surface interval exceeded the PEL for total PCBs in only 2 of the 10 cores. Concentrations as high as 38 mg/kg were observed at depth (2-4 ft). In the food chain study, the highest concentration of PCBs (congeners were summed) was approximately 14 mg/kg, dw just downstream of the confluence of the Sheboygan and Onion Rivers.

## ***Pesticides and Dioxins/Furans***

No pesticides or dioxin/furan compounds have been detected in the sediment. However, because the detection limits were much higher than the sediment benchmarks, the data are not adequate to assess the likelihood of benthic effects from these contaminants. Some inferences may be made from the fish data, although the assumptions would be many and the uncertainties would be large.

## **10.0 CONCLUSIONS**

Additional data will be needed to conduct an aquatic ERA for the Sheboygan River and Harbor site. The primary focus will be on effects of PCBs on resident fish (particularly smallmouth bass and white sucker). Effects on benthic species will also be examined through a triad approach in regions of the river with particularly high PCB, PAH, and metals concentrations. The most contaminated areas appear to be between River Miles 1 and 3 for PAHs and metals, and within the upper reach (between the Sheboygan Falls and Waelderhaus Bend Dams) for PCBs.

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## ATTACHMENT

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### Remedial Investigation/Enhanced Screening Report. May 1990. BBL.

#### **Phase 1, River Sediment**

Date of sampling: Pre-removal, May 1987

Number of locations: 10

Description of locations: throughout the river

Sample IDs: HSL1, 2, 3, 5, 6, 7, 8, 9, 10, 11

Analytes: 119 organics (PCBs- Aroclors 1242, 1248, 1254, and total), 23 inorganics, one sample only (HSL11) was analyzed for 2,3,7,8-TCDD and 2,3,7,8-TCDF.

#### **Phase 2, River Sediment**

Date of sampling: Pre-removal, Aug-Sept 1987

Number of locations: 89

Description of locations: throughout the river

Sample IDs: R-1 to R-105

Sample depth: variable from 0.3 to 3.5 ft analyzed

Analytes : PCBs (Aroclors 1242, 1248, 1254, and total), 8 metals (As, Cd, Cr, Cu, Pb, Ni, Zn, Hg), select samples for TOC and grain size.

#### **Phase 2, Harbor Sediment**

Date of sampling: Pre-removal, 1987

Number of locations: 20

Description of locations: Outer and Inner Harbors and navigation channel

Sediment depth (ft): 0-0.5; 0.5-2; 2-4; 4-6; 6-8; 8-12; 12-16; 16-20 (All locations were not necessary sampled at all depths)

No. of samples for analysis: 127

Sample IDs: H1 through H20

Analytes : PCBs, 8 targeted metals (As, Cd, Cr, Cu, Pb, Ni, Zn, Hg), selected samples for TOC, 5 samples at 2-4 ft for complete HSL list (no dioxins), selected samples for particle size, one sample for 2,3,7,8-TCDD and 2,3,7,8-TCDF (H12 at 6-8 ft).

#### **Phase 1, Water**

Date of sampling: Pre-removal, 5-6/87 (moderate flow)

Number of locations: 6

Description of locations : SF Dam, RB Dam, Wald. Dam, USGS Stn., 14th St. Bridge, harbor

Sample IDs: W1, W3, W4, W5, W6, W7

Analytes: PCBs and metals, filtered and unfiltered

### **Phase 3, Water**

Date of sampling: Pre-removal, 4/88 (high flow) 5/88 (low-mod. flow) and 6/88 (low flow)

Number of locations: 6 in 4/88 ; 7 in 5/88 (two rounds); 7 in 6/88

Description of locations: SF Dam, Onion River, RB Dam, Wald. Dam, USGS Stn., 14th St. Bridge, harbor

Sample IDs: W1-W7

Analytes: PCBs and metals, filtered and unfiltered plus VOCs for 6/88 samples

### **Appendix H WDNR Fish Sampling**

Date of Sampling: 1978-1986

Number of locations: Misc.

Description of locations: Sheboygan, mouth, Sheb harbor, 8th St., Kiwanis Pk, I43, Bel Hwy 28, Kohler Dam, Sheb Falls, B Sheb Fall, Co Hwy O, Abv Jhnsnvl,

Sample IDs: NA

Species: Numerous

Analytes: PCBs, lipids, mercury in a few samples

### **Appendix R WDNR Wildlife Sampling**

This appendix contains miscellaneous wildlife tissue data (birds and mammals) for PCBs and pesticides.

### **Appendix A, Previous Data, Remedial Investigation/Enhanced Screening Report. May 1990. BBL.**

#### **Part 1, Water, WDNR**

Date of sampling: July 1977

Number of locations: 6

Description of locations : Harbor and river mouth (surface, middle, and bottom at each sampling location)

Sample IDs: 1 through 6

Analytes: Conventional, Hg, Cr, Zn, Pb, Ni, Cu(alkalinity 129 to 189 mgCaCO<sub>3</sub>/L)

#### **Part 2, Sect. 1 Sediment - Harbor, USEPA**

Date of sampling: 1974

Number of locations: NA

Description of locations : NA

Sample IDs: 1 through 7

Sediment Depth: NA

Analytes: Hg, Pb, Zn, As, Cd, Cr

## **Part 2, Sect. 2 Sediment - Harbor, USEPA**

Date of sampling: 1977  
Number of locations: 4  
Description of locations : NA  
Sample IDs: SHB77-1 through 4  
Sediment Depth: NA  
Analytes: Pesticides, PCBs

## **Part 2, Sect. 3 Sediment - River, WDNR**

Date of sampling: 1978  
Number of locations: ~23  
Description of locations : Throughout the river to the mouth  
Sample IDs: NA  
Sediment Depth: variable  
Analytes: PCBs

## **Part 2, Sect. 4 Sediment - Harbor, USACE**

Date of sampling: 1977  
Number of locations: 11  
Description of locations : Lower river and harbor  
Sample IDs: a through i  
Sediment Depth: various  
Analytes: Pb, Zn, Cu, Cr, PCBs

## **Part 2, Sect. 5 Sediment - Harbor, USACE**

Date of sampling: 1979  
Number of locations: NA  
Description of locations : NA  
Sample IDs: miscellaneous  
Sediment Depth: NA  
Analytes: As, Cd, Cr, Pb, Zn, PCBs

## **Part 2, Sect. 6 Sediment - Harbor, USACE**

Date of sampling: 1982  
Number of locations: 16  
Description of locations : NA  
Sample IDs: SHE 1 through 15, SH5  
Sediment Depth: various  
Analytes: PCBs, trace elements



**Part 2, Sect. 7 Sediment - Harbor, USACE**

Date of sampling: 1984  
Number of locations: 6  
Description of locations : NA  
Sample IDs: 0 through 5  
Sediment Depth: NA  
Analytes: Cd, Cr, Ni, Pb, Cu, PCBs

**Part 2, Sect. 8 Sediment - River and Harbor, USEPA**

Date of sampling: 1985  
Number of locations: 6  
Description of locations : County Rd. TT, conf. w/ Onion R., Sheb Falls, N of N breakwater, S. of N. breakwater  
Sample IDs: R1-R4, Hd, HC  
Sediment Depth: NA  
Analytes: PCBs

**Part 2, Sect. 9 Sediment - Harbor, USEPA**

Date of sampling: 1985  
Number of locations: 16  
Description of locations : NA  
Sample IDs: 1 through 16  
Sediment Depth: various, generally <2 ft.  
Analytes: Trace elements, pesticides, PCBs

**Removal Action Construction Documentation Report. March 1992. BBL.**

**Post-removal Sediment Data**

Date of sampling: Fall 1991  
Number of locations: 5 sediment areas  
Description of locations: Sediment removal Areas 19, 22, 23, 28, and 32  
No. of samples for analysis: 11  
Sample IDs: NA  
Analytes: PCBs  
Sample depth: upper 3 inches of sediment

**Water Column Data** Water quality was monitored during removal activities, so these data are not usable for screening or for the ERA.

**Baseline Human Health Risks Resulting from PCB Contamination. February 1993. GLNPO**

**Fish Tissue**

Date of Sampling: April to October 1991

Number of locations: NA

Description of locations: 22nd St to Esslinger Park; Strawberry Creek, Kiwanis Park, Lower Harbor, between Kohler Dams, Rochester Park

Sample IDs: NA

Species: Steelhead, chinook, smallmouth bass, carp

Analytes: PCBs, lipids.

**Risk Assessment for the Sheboygan River. August 1995. ENVIRON Corp.**

**Fish Tissue**

Date of Sampling: 1992 and 1993

Number of locations: NA

Description of locations: Jaycee River Walkway, Rochester Park, RB Dam, Wald Dam, Wayside, Kiwanis Park, South Breakwater, and others

Sample IDs: NA

Species: Steelhead and salmon in 1992, smallmouth bass and carp in 1993

Analytes : PCBs, lipids.

**Alternative Specific Remedial Investigation Report. October 1995. BBL.**

**Pre-removal Sediment**

Date of sampling: April 1989

Number of locations: 46 sediment "areas" plus six background samples upstream of the Sheboygan Falls Dam in 1994

Number of samples: 53 sediment cores sectioned into the upper 6 inches, 6-12 inches, and one foot increments at subsequent depths (over 150 samples analyzed)

Description of locations (see Figure 2A and Figure 1: From Areas 1 (Tecumseh Plant) to 3.2 miles downstream.

Sample IDs: R200 to R263

Analytes: PCBs

## **Post-Removal Sediment**

Date of sampling: 1990-1991  
Number of locations: 13  
Number of samples: Around 21  
Description of locations: Areas 1-9, 13-18  
Sample IDs: NA  
Analytes: PCBs

## **Water Data (pre-removal, during removal, and after removal)**

Date of sampling: 1989 to 1993  
Number of locations: approx. 18  
Number of samples: 4-12 samples per event, 16 events  
Description of locations: mostly upstream of USGS Gaging Station  
Sample IDs: NA  
Analytes: PCBs, other misc. conventional parameters

## **Caged Fish**

Date of sampling: July-Sept 1989 (Phase 1), Oct-Dec 1989 (Phase 2a), Sept-Oct 1990 (Phase 2b), July-Sept 1992 (Phase 3a), Sept-Oct 1992 (Phase 3b), and Sept-Oct 1994 (Phase 4 - IMP study)  
Number of locations: 6  
Description of locations : control - above SF Dam (W-1); Rochester Park (W-12); Below Area 19 (W-13B); RB Dam (near W-3); Waelderhaus Dam (near W-4); USGS Gaging Stn (near W-5).  
Sample IDs:  
Analytes: PCBs, lipids

## **Resident Fish**

Date of sampling: 1989 to 1992  
Number of locations: varies - see below  
Description of locations : Chinook - Kiwanis Park, Strawberry Creek (background) and lower harbor; Steelhead - Kiwanis Park, and the Kewaunee River (background); smallmouth bass - between SF Dam and RB Dam, between RB Dam and Waelderhaus Dam, and the upper harbor near Kiwanis Park; carp - same locations as smallmouth bass.  
Sample IDs:  
Fish species: chinook salmon, steelhead trout, smallmouth bass, carp  
Analytes: PCBs, lipids

## **Supplemental Water Sampling**

Date of sampling: July 1989

Number of locations: 5

Number of samples: 5 filtered, 5 unfiltered

Description of locations: between USGS Gaging Station and 14th St. Bridge

Sample IDs: W-5, W-21, W-22, W-23, and W-6

Analytes: dissolved and total PCBs, total suspended solids, volatile suspended solids.

Objective: to identify apparent trends in filtered and unfiltered water column PCB concentrations between USGS Gaging Station and 14th St. Bridge.

Same data as in BBL 1995

## **Transport Studies**

This study consisted of water column sampling to assess the transport of PCBs in the river. These data were the same as those previously presented in Tables A-3-6 to A-3-18.

## **Additional Source Areas Information**

Sediment and water samples were collected from the storm sewer which discharges into the Sheboygan River at Maryland Avenue. Also to verify a source of trace elements, sediment sampling was conducted at R-30, a small tributary to the Sheboygan River between the two Kohler Dams, and at R-73, a backwater area just north of the Chicago Northwestern RR bridge (see Figure 7H). Sediment were analyzed for trace elements. Results for trace elements study are in Tables 7-17 and 7-18.

## **1994 Annual Interim Monitoring Report. BBL**

### **Fish Monitoring**

Date of sampling: September 24, 1994

Number of locations: 3

Description of locations: Rochester Park, between Kohler Dams and Kiwanis Park

Sample IDs: FB-163 to FB-198, FK-1 to FK-134..

Species: smallmouth bass and white suckers

Analytes: PCBs, lipids.

## **1995 Annual Interim Monitoring Report. BBL**

### **Fish Monitoring**

Date of sampling: The weeks of September 17th and 24th, 1995

Number of locations: 3

Description of locations: Rochester Park, between Kohler Dams and Kiwanis Park

Sample IDs: FB-199 to FB-234, FK-120 to FK-178

Species: smallmouth bass and white suckers

Analytes:PCBs, lipids.

## **Construction Documentation Report. January 1991. BBL**

This document describes very briefly the construction effort performed as part of the ASRI Pilot Study. The work included construction of a confined treatment facility (CTF); and sediment removal and armoring activities. No sediment data or other data that could be used for screening or in the aquatic ERA are contained in this document.

## **Sediment Transport Study. November 1996. BBL.**

This document does not contain any usable data. This study included using a mathematical model to understand and predict sediment movement under various river and Lake Michigan conditions.

## **Summary of raw data files received from WDNR, 5/23/97**

Data received by WDNR consisted of electronic and hard copy versions. The following summary includes all data received.

### **Benthic Invertebrate Community Studies**

Benthic community analyses were conducted between 1990 and 1993. Data show statistical evaluations with the EPT complex. Three stations were sampled on the Sheboygan River: one on the upper segment (Kohler Horse Farm) and two on the lower segment (CTH A Riffle, about 1 km upstream of the USGS Gaging Station and at Esslingen Park). Benthic samples were also analyzed on the Pigeon and Onion Rivers and on the Sheboygan River upstream of the site. Chemical analyses were not conducted on benthic invertebrate samples.

## **Fish Monitoring**

- Fish tissue data collected 1978-1995 at various locations along the Sheboygan River. Tissues analyzed consisted of fillets and whole body. Species included smallmouth, rock and largemouth bass, white suckers, chinook and coho salmon, rainbow, brown and lake trout, carp, bluegill, crappie, walleye, northern pike, bullhead and shiner. Analytes consist of PCB/Aroclors, PCB congeners, pesticides, dioxins, lipids (not all analytes in all samples). See attached table.

## **Sediment data**

- Sediment data collected 1990-1996 at various locations along the Sheboygan River. Data consists of trap and core sample analyses. Analytes consist of PCBs, lipids, TOC, PAHs and congeners. See attached tables.

Table 1 from the food chain study (attached) provides a summary of data EVS received in July 1997 from this study.

Additional summary tables are also attached.

Table 1. Study Design

Parameter	Sample Type	Number of Samples					Area within Segment	Collection Date(s)
		Seg. 1	Seg. 2	Seg. 3	Seg. 5	Seg. 6		
PCBs <sup>a</sup>	Crayfish	3/2 <sup>b</sup>	3/2	3/2	3/2	-	Riffle	September, 1994
	Adult Invertebrates	4/4	4/4	4/4	4/4	-	Not Specific	August, 1994
	Larval Invertebrates	4/3	4/3	4/3	4/3	-	Riffle	August, 1994
	Longnose Dace	3/1	3/1	3/1	3/1	-	Riffle	October, 1994
	Smallmouth Bass - adult - age 0+	3/3 3/1	3/3 3/1	3/3 3/1	3/3 3/1	-	Mixed	October, 1994
	White Sucker - adult - age 0+	3/1 3/1	3/1 3/1	3/1 3/1	3/1 3/1	-	Mixed	October, 1994
	Sediment Core	5/5	5/5	5/5	5/5	5/5	Depositional	Not collected as of 11/11/94
	SPMDs	6/4	6/4	6/4		12/8	Mixed <sup>c</sup>	July-September, 1994
Heavy Metals: As, Cd, Cr, Cu, Pb, Hg, Ag, Se	Crayfish	4	4	4	4	-	Riffle	September, 1994
	Adult Inverts	4	4	4	4	-	Not Specific	August, 1994
	Larval Inverts	4	4	4	4	-	Riffle	August, 1994
	Sediment Core	5	5	5	5	5	Depositional	Not collected as of 11/11/94

Table 1. Study Design - continued

Parameter	Sample Type	Number of Samples					Area within Segment	Collection Date(s)
		Seg. 1	Seg. 2	Seg. 3	Seg. 5	Seg. 6		
PAHs <sup>d</sup>	Crayfish	3	3	3	3	-	Riffle	September, 1994
	Adult Inverts	4	4	4	4	-	Not Specific	August, 1994
	Larval Inverts	4	4	4	4	-	Riffle	August, 1994
	Sediment Core	3	3	3	3	3	Depositional	Not collected as of 11/11/94
	SPMDs	6	6	6	-	12 <sup>a</sup>	Mixed	July-August, 1994

<sup>a</sup> PCB congeners analyzed by SLOH are listed in Appendix D.

<sup>b</sup> Replicates identified as # of "routine" congener analyses/# of coplanar congener analyses.

<sup>c</sup> SPMDs were placed above and below the former coal gasification facility near Camp Marina to better determine PAH concentrations and bioavailability

<sup>d</sup> PAH analytes are listed in Appendix B.



### Summary of Data Types and Useability for the Sheboygan ERA

REFERENCE	TYPE OF DATA	DATA USEFUL FOR ERA ?			DATA USEFUL FOR SCREEN?		ANALYTES	COMMENTS	
		Y	N	?	Y	N			
BBL1995 (ASRI)	Sediment (ASRI-SA, ASRI-SB)			?	Y		PCBs	Sediment data were collected pre-removal and post-removal activities.	
	Water (ASRI-WA)			?	Y		PCBs, conventionals	Water data were collected pre-removal, during removal, and post-removal activities	
	Caged Fish		N			N	PCBs		
	Resident Fish	Y				N	PCBs		
	Supplemental Water (ASRI-WA)				?	Y		PCBs, conventionals	
	Additional Source Areas (ASRI-SC)				?		N	Trace elements	Storm sewer data
BBL 1992 (RA Construction)	Sediment (RACD-SA)			?	Y		PCBs	Sediment data were collected shortly after removal activities	
	Water		N			N	PCBs	Water data were collected during removal activities	
BBL 1994 (IMP)	Resident Fish			?		N			
BBL 1995 (IMP)	Resident Fish			?		N			
GLNPO 1993	Resident Fish			?		N		Same data as in ASRI 1995 (check)	
Environ 1995	Resident Fish			?		N		??? same data?	
BBL1990 (RI/ES)	Sediment Phase 1 (R/ES-SA)		N		Y		PCBs, inorganics , PAHs /pest, dioxin/furan (1 sample only)	Sediment data were collected prior to removal activities.	
	Sediment Phase 1 (R/ES-SB)			?	Y		PCBs, 8 inorganics	Sediment data were collected prior to removal activities.	
	Harbor sediment (R/ES-SC)			?	Y		PCBs, 8 inorganics, PAHs/pest (5), dioxin (1)		

**Summary of Data Types and Useability for the Sheboygen ERA (continued)**

REFERENCE	TYPE OF DATA	DATA USEFUL FOR ERA ?			DATA USEFUL FOR SCREEN?		ANALYTES	COMMENTS
		Y	N	?	Y	N		
WDNR Dataset	Water, Phase 1 and Phase 3 (RI/ES-WB)			?	Y		PCBs and metals, filtered and unfiltered	
	Sediment Cores (WDNR-SA)	Y			Y			
	Sediment Traps (WDNR-SB)			?	Y			
	Fish tissue database	Y				N		
	Benthic macroinvert. data	Y				N		
	Insect data	Y				N		
	Lipid bags	Y				N		

NOTE: **Bold** letters indicate these data were screened for COCs.

Other sediment data

Data Code	Chemical	Max Conc (mg/kg)	Mean Conc	TEL	# Exceedances	Location	Comments
RI/ES-SA	4'4' DDE	< 515	NA	1.42	10	HSL-1 through HSL-11	All samples exceeded screening guidelines
RI/ES-SC	4'4' DDE	< 180	NA	1.42	5	H1, 10,12,15,20	Depth range 2' to 4'
RI/ES-SA	4'4'DDD	< 515	NA	3.54	10	HSL-1 through HSL-11	All samples exceeded screening guidelines
RI/ES-SC	4'4'DDD	< 180	NA	3.54	5	H1, 10,12,15,20	Depth range 2' to 4'
RI/ES-SA	Anthracene	< 690	NA	10	10	HSL-1 through HSL-11	Some estimated values used in screening guidelines .
RI/ES-SC	Anthracene	4900	NA	10	5	H1, 10,12,15,20	Depth range 2' to 4'
RI/ES-SB	As	22.9	NA	10.8	12	R1/HSL1 through R105	0.5 to 12 inches depth
RI/ES-SC	As	20.4	NA	10.8	12	H-6 through H20	Depth range .5' to 20'
RI/ES-SA	Benzo(a)pyrene	< 690	NA	32.4	10	HSL-1 through HSL-11	Some estimated values used in screening guidelines .
RI/ES-SC	Benzo(a)pyrene	< 4800	NA	32.4	5	H1, 10,12,15,20	Depth range 2' to 4'
RI/ES-SA	Benzo(a)anthracene	< 690	NA	15.7	10	HSL-1 through HSL-11	Some estimated values used in screening guidelines .
RI/ES-SC	Benzo(a)anthracene	3600	NA	15.7	5	H1, 10,12,15,20	Depth range 2' to 4'
RI/ES-SA	Benzo(b)flouranthene	< 690	NA	27.2	10	HSL-1 through HSL-11	Some estimated values used in screening guidelines .
RI/ES-SC	Benzo(b)flouranthene	7700	NA	27.2	5	H1, 10,12,15,20	Depth range 2' to 4'
RI/ES-SA	Benzo(g,h,i)perylene	< 690	NA	15.5	10	HSL-1 through HSL-11	Some estimated values used in screening guidelines .
RI/ES-SC	Benzo(g,h,i)perylene	< 4800	NA	15.5	5	H1, 10,12,15,20	Depth range 2' to 4'
RI/ES-SA	Benzo(k)flouranthene	< 690	NA	27.2	10	HSL-1 through HSL-11	Some estimated values used in screening guidelines .
RI/ES-SC	Benzo(k)flouranthene	7700	NA	27.2	5	H1, 10,12,15,20	Depth range 2' to 4'
RI/ES-SA	Cd	3.15	NA	0.583	10	HSL-1 through HSL-11	All samples exceeded guidelines
RI/ES-SB	Cd	3.1	NA	0.583	approx. 90	R1/HSL1 through R105	All samples exceeded guidelines, 0.5 to 12 inches depth
RI/ES-SC	Cd	3.7	NA	0.583	approx. 150	H-6 through H20	Depth range .5' to 20'
RI/ES-SA	Chrysene	< 690	NA	26.8	10	HSL-1 through HSL-11	Some estimated values used in screening guidelines .
RI/ES-SC	Chrysene	4600	NA	26.8	5	H1, 10,12,15,20	Depth range 2' to 4'
RI/ES-SA	Cr	97.2	NA	36.3	4	HSL-1 through HSL-11	
RI/ES-SB	Cr	143	NA	36.3	approx. 26	R1/HSL1 through R105	0.5 to 12 inches depth
RI/ES-SC	Cr	280	NA	36.3	approx. 75	H-6 through H20	Depth range .5' to 20'

Other sediment data

Data Code	Chemical	Max Conc (mg/kg)	Mean Conc	TEL	# Exceedances	Location	Comments
RI/ES-SA	Cu	102	NA	28	3	HSL-1 through HSL-11	
RI/ES-SB	Cu	159	NA	28	approx. 52	R1/HSL1 through R105	Most samples exceeded screening guidelines, 0.5 to 12 inches depth
RI/ES-SC	Cu	150	NA	28	approx. 53	H-6 through H20	Depth range .5' to 20'
RI/ES-SA	Dibenzo(a,h)anthracene	< 690	NA	10	10	HSL-1 through HSL-11	Some estimated values used in screening guidelines .
RI/ES-SC	Dibenzo(a,h)anthracene	< 4800	NA	10	5	H1, 10,12,15,20	Depth range 2' to 4'
RI/ES-SA	Dieldrin	< 515	NA	2.85	10	HSL-1 through HSL-11	All samples exceeded screening guidelines
RI/ES-SC	Dieldrin	< 180	NA	2.85	5	H1, 10,12,15,20	Depth range 2' to 4'
RI/ES-SA	Endrin	< 515	NA	2.67	10	HSL-1 through HSL-11	All samples exceeded screening guidelines
RI/ES-SC	Endrin	< 180	NA	2.67	5	H1, 10,12,15,20	Depth range 2' to 4'
RI/ES-SA	Fluoranthene	710	NA	31.5	10	HSL-1 through HSL-11	Some estimated values used in screening guidelines .
RI/ES-SC	Fluoranthene	9700	NA	31.5	5	H1, 10,12,15,20	Depth range 2' to 4'
RI/ES-SA	Fluorene	< 690	NA	10	10	HSL-1 through HSL-11	Some estimated values used in screening guidelines .
RI/ES-SC	Fluorene	5600	NA	10	5	H1, 10,12,15,20	Depth range 2' to 4'
RI/ES-SA	Gamma-BHC (Lindane)	< 260	NA	0.94	10	HSL-1 through HSL-11	All samples exceeded screening guidelines
RI/ES-SC	Gamma-BHC (Lindane)	< 90	NA	0.94	5	H1, 10,12,15,20	Depth range 2' to 4'
RI/ES-SA	Heptachlor	< 260	NA	0.6	10	HSL-1 through HSL-11	All samples exceeded screening guidelines
RI/ES-SC	Heptachlor	< 90	NA	0.6	5	H1, 10,12,15,20	Depth range 2' to 4'
RI/ES-SA	Hg	0.28	NA	0.174	1	HSL-1 through HSL-11	
RI/ES-SB	Hg	0.416	NA	0.174	10	R1/HSL1 through R105	R-73 through R-101 exceeded screening guidelines, 0.5 to 12 inches depth
RI/ES-SC	Hg	0.684	NA	0.174	approx. 70	H-6 through H20	Depth range .5' to 20'
RI/ES-SA	Ideno(1,2,3-cd)pyrene	< 690	NA	17.3	10	HSL-1 through HSL-11	Some estimated values used in screening guidelines .
RI/ES-SC	Ideno(1,2,3-cd)pyrene	< 4800	NA	17.3	5	H1, 10,12,15,20	Depth range 2' to 4'
RI/ES-SA	Ni	63.8	NA	19.5	2	HSL-1 through HSL-11	
RI/ES-SB	Ni	27.8	NA	19.5	2	R1/HSL1 through R105	0.5 to 12 inches depth
RI/ES-SC	Ni	354	NA	19.5	approx. 65	H-6 through H20	Depth range .5' to 20'
RI/ES-SA	Pb	293	NA	37.2	5	HSL-1 through HSL-11	

Other sediment data

Data Code	Chemical	Max Conc (mg/kg)	Mean Conc	TEL	# Exceedances	Location	Comments
RI/ES-SB	Pb	698	NA	37.2	approx. 33	R1/HSL1 through R105	0.5 to 12 inches depth
RI/ES-SC	Pb	783	NA	37.2	approx. 75	H-6 through H20	Depth range .5' to 20'
ASRI-SA	PCBs	1290	NA	0.032	approx 55/55	Area 9	Depth range 0-6", max concentration at area 9
ASRI-SA	PCBs	1400	NA	0.032	approx 56/58	Area 2	Depth range 6-12", max concentration at area 2
ASRI-SB	PCBs	800	NA	0.032	21	Area 2	max concentration at area 2
RACD-SA	PCBs	45	NA	0.032	35	Area 23	max concentration at area 23
RI/ES-SA	PCBs	110	NA	0.032	10	R1,9, 20, 34,45, 54, 65, 75, 87, 96	All samples exceeded guidelines
RI/ES-SB	PCBs	4500	NA	0.032	approx. 90	R1/HSL1 through R105	Most samples exceeded screening guidelines, 0.5 to 12 inches depth
RI/ES-SC	PCBs	220	NA	0.032	approx. 90	H-6 through H20	Depth range .5' to 20'
RI/ES-SA	Phenanthrene	620	NA	18.7	10	HSL-1 through HSL-11	Some estimated values used in screening guidelines .
RI/ES-SC	Phenanthrene	1600	NA	18.7	5	H1, 10,12,15,20	Depth range 2' to 4'
RI/ES-SA	Pyrene	630	NA	44.3	10	HSL-1 through HSL-11	Some estimated values used in screening guidelines .
RI/ES-SC	Pyrene	8900	NA	44.3	5	H1, 10,12,15,20	Depth range 2' to 4'
RI/ES-SA	Zn	207	NA	98.1	2	HSL-1 through HSL-11	
RI/ES-SB	Zn	299	NA	98.1	approx. 19	R1/HSL1 through R105	0.5 to 12 inches depth
RI/ES-SC	Zn	369	NA	98.1	approx. 30	H-6 through H20	Depth range .5' to 20'

Water

Data Code	Chemical	Conc (mg/kg)	Mean Conc	FW Chronic AWQC	#Exceedances	Location	Comments
RI/ES-WB	As	2		190	0		Moderate flow
RI/ES-WB	As	< 1		190	0		High Flow
RI/ES-WB	As	4		190	0		Low Flow
RI/ES-WB	Cd	< 1		3	0		Moderate flow
RI/ES-WB	Cd	< 1		3	0		High Flow
RI/ES-WB	Cd	< 1		3	0		Low Flow
RI/ES-WB	Cr	2		567	0		Moderate flow
RI/ES-WB	Cr	8		567	0		High Flow
RI/ES-WB	Cr	25		567	0		Low Flow
RI/ES-WB	Cu	5		33.8	0		Moderate flow
RI/ES-WB	Cu	9		33.8	0		High Flow
RI/ES-WB	Cu	9		33.8	0		Low Flow
RI/ES-WB	Hg	< 0.2		0.012	High det. limit		Moderate flow
RI/ES-WB	Hg	< 0.2		0.012	high det. limit		High Flow
RI/ES-WB	Hg	< 0.2		0.012	high det. limit		Low Flow
RI/ES-WB	Ni	< 5		446	0		Moderate flow
RI/ES-WB	Ni	< 5		446	0		High Flow
RI/ES-WB	Ni	13		446	0		Low Flow
RI/ES-WB	Pb	6		15.2	0		Moderate flow
RI/ES-WB	Pb	2		15.2	0		High Flow
RI/ES-WB	Pb	26		15.2	1		Low Flow
RI/ES-WB	PCBs	0.27		0.014	approx. 18		Moderate flow
RI/ES-WB	PCBs	0.198		0.014	17		High Flow
RI/ES-WB	PCBs	0.32		0.014			Low Flow
BBL 1995 ASRI_WA	PCBs filtered	0.49		0.014	approx 36		max at W13
RI/ES-WB	PCBs Round A	0.12		0.014	9		Low- Moderate Flow
RI/ES-WB	PCBs Round B	0.21		0.014	7		Low- Moderate Flow
BBL 1995 ASRI_WA	PCBs unfiltered	0.77		0.014	approx 49		max at W15
RI/ES-WB	PCBs, filtered, Round B	< 0.05		0.014	7		Low- Moderate Flow
RI/ES-WB	PCBs, unfiltered, Round A	< 0.05		0.014	7		Low- Moderate Flow
RI/ES-WB	Zn	50		300	0		Moderate flow
RI/ES-WB	Zn	53		300	0		High Flow
RI/ES-WB	Zn	179		300	0		Low Flow

Summary statistics of chemicals and TEL exceedances in Sheboygan, Collection device: Trap

CHEMICAL CLASS	CHEMICAL NAME	Approx. # of DETECTS	MAX CONC	MEAN CONC	TEL	LOCATION of EXCEEDANCE	DATE COLLECTED
Conventional	CARBON TOTAL ORGANIC	148	80000	36926.35135			
	PAH ACENAPHTHENE	11	320	182.7272727			
	ACENAPHTHYLENE	13	720	209.2307692			
	ANTHRACENE	13	1500	316.9230769	10		
						603405	16-Jun-94
						603405	05-Oct-94
						603405	12-Apr-95
						603406	16-Jun-94
						603406	05-Oct-94
						603406	11-Jan-95
						603406	26-Apr-95
						603406	26-Jul-95
						603406	07-Nov-95
					603397	04-Oct-94	
					603397	11-Apr-95	
					603404	16-Jun-94	
					603404	05-Oct-94	
	BENZO (A) ANTHRACENE	16	2700	726.25	15.7		
						603405	16-Jun-94
						603405	05-Oct-94
						603405	12-Apr-95
						603405	26-Jul-95
						603405	07-Nov-95
						603405	02-Apr-96
						603406	16-Jun-94
						603406	05-Oct-94
						603406	11-Jan-95
						603406	26-Apr-95
						603406	26-Jul-95
						603406	07-Nov-95
						603397	04-Oct-94
						603397	11-Apr-95
						603404	16-Jun-94
						603404	05-Oct-94
	BENZO (B) FLUORANTHENE	19	4400	903.6842105	27.2		
						603405	16-Jun-94
						603405	05-Oct-94
						603405	12-Apr-95
						603405	26-Jul-95
						603405	07-Nov-95
						603405	02-Apr-96
						603406	16-Jun-94
						603406	05-Oct-94
						603406	11-Jan-95
						603406	26-Apr-95
						603406	26-Jul-95
						603406	07-Nov-95
						603397	04-Oct-94
						603397	11-Apr-95
						603397	14-Feb-96
						603404	16-Jun-94
						603404	05-Oct-94
						603404	26-Jul-95
						603404	02-Apr-96
	BENZO (A) PYRENE	16	4000	824.375	32.4		
						603405	16-Jun-94
						603405	05-Oct-94

Summary statistics of chemicals and TEL exceedances in Sheboygan, Collection device: Trap

CHEMICAL CLASS	CHEMICAL NAME	Approx. # of DETECTS	MAX CONC	MEAN CONC	TEL	LOCATION of EXCEEDANCE	DATE COLLECTED
						603405	12-Apr-95
						603405	26-Jul-95
						603405	07-Nov-95
						603405	02-Apr-96
						603406	16-Jun-94
						603406	05-Oct-94
						603406	11-Jan-95
						603406	26-Apr-95
						603406	26-Jul-95
						603406	07-Nov-95
						603397	04-Oct-94
						603397	11-Apr-95
						603404	16-Jun-94
						603404	05-Oct-94
	BENZO (E) PYRENE	17	2900	690.5882353			
	BENZO (G H I) PERYLENE	15	1800	464.6666667	15.5		
						603405	16-Jun-94
						603405	05-Oct-94
						603405	12-Apr-95
						603405	26-Jul-95
						603405	02-Apr-96
						603406	16-Jun-94
						603406	05-Oct-94
						603406	11-Jan-95
						603406	26-Apr-95
						603406	26-Jul-95
						603406	07-Nov-95
						603397	04-Oct-94
						603397	11-Apr-95
						603404	16-Jun-94
						603404	05-Oct-94
	BENZO (K) FLUORANTHENE	16	4400	886.875	27.2		
						603405	16-Jun-94
						603405	05-Oct-94
						603405	12-Apr-95
						603405	26-Jul-95
						603405	07-Nov-95
						603405	02-Apr-96
						603406	16-Jun-94
						603406	05-Oct-94
						603406	11-Jan-95
						603406	26-Apr-95
						603406	26-Jul-95
						603406	07-Nov-95
						603397	04-Oct-94
						603397	11-Apr-95
						603404	16-Jun-94
						603404	05-Oct-94
	CHRYSENE	16	3500	813.75	26.8		
						603405	16-Jun-94
						603405	05-Oct-94
						603405	12-Apr-95
						603405	26-Jul-95
						603405	07-Nov-95
						603405	02-Apr-96
						603406	16-Jun-94
						603406	05-Oct-94
						603406	11-Jan-95



Summary statistics of chemicals and TEL exceedances in Sheboygan, Collection device: Trap

CHEMICAL CLASS	CHEMICAL NAME	Approx. # of DETECTS	MAX CONC	MEAN CONC	TEL	LOCATION of EXCEEDANCE	DATE COLLECTED
						603406	26-Apr-95
						603406	26-Jul-95
						603406	07-Nov-95
						603397	04-Oct-94
						603397	11-Apr-95
						603404	16-Jun-94
						603404	05-Oct-94
	DIBENZO (A H) ANTHRACENE	12	500	210.8333333	10	603405	16-Jun-94
						603405	05-Oct-94
						603405	12-Apr-95
						603406	16-Jun-94
						603406	05-Oct-94
						603406	11-Jan-95
						603406	26-Apr-95
						603397	04-Oct-94
						603397	11-Apr-95
						603404	16-Jun-94
						603404	05-Oct-94
						603404	26-Apr-95
	FLUORANTHENE	21	4700	1112.380952	31.5	603405	16-Jun-94
						603405	05-Oct-94
						603405	12-Apr-95
						603405	26-Jul-95
						603405	07-Nov-95
						603405	02-Apr-96
						603406	16-Jun-94
						603406	05-Oct-94
						603406	11-Jan-95
						603406	26-Apr-95
						603406	26-Jul-95
						603406	07-Nov-95
						603397	04-Oct-94
						603397	11-Apr-95
						603397	26-Jul-95
						603397	14-Feb-96
						603404	16-Jun-94
						603404	05-Oct-94
						603404	26-Apr-95
						603404	26-Jul-95
						603404	02-Apr-96
	FLUORENE	11	430	203.6363636	10	603405	16-Jun-94
						603405	05-Oct-94
						603405	12-Apr-95
						603406	16-Jun-94
						603406	05-Oct-94
						603406	11-Jan-95
						603406	26-Apr-95
						603397	04-Oct-94
						603397	11-Apr-95
						603404	16-Jun-94
						603404	05-Oct-94
	INDENO (1 2 3-C D) PYRENE	16	2200	393.75	17.3	603405	16-Jun-94
						603405	05-Oct-94
						603405	12-Apr-95

Summary statistics of chemicals and TEL exceedances in Sheboygan, Collection device: Trap

CHEMICAL CLASS	CHEMICAL NAME	Approx. # of DETECTS	MAX CONC	MEAN CONC	TEL	LOCATION of EXCEEDANCE	DATE COLLECTED
						603405	26-Jul-95
						603405	07-Nov-95
						603405	02-Apr-96
						603406	16-Jun-94
						603406	05-Oct-94
						603406	11-Jan-95
						603406	26-Apr-95
						603406	26-Jul-95
						603406	07-Nov-95
						603397	04-Oct-94
						603397	11-Apr-95
						603404	16-Jun-94
						603404	05-Oct-94
	PERYLENE	14	780	230			
	PHENANTHRENE	18	4800	865.555556	18.7		
						603405	16-Jun-94
						603405	05-Oct-94
						603405	12-Apr-95
						603405	26-Jul-95
						603405	07-Nov-95
						603405	02-Apr-96
						603406	16-Jun-94
						603406	05-Oct-94
						603406	11-Jan-95
						603406	26-Apr-95
						603406	26-Jul-95
						603406	07-Nov-95
						603397	04-Oct-94
						603397	11-Apr-95
						603404	16-Jun-94
						603404	05-Oct-94
						603404	26-Jul-95
						603404	02-Apr-96
	PYRENE	19	5400	1243.157895	44.3		
						603405	16-Jun-94
						603405	05-Oct-94
						603405	12-Apr-95
						603405	26-Jul-95
						603405	07-Nov-95
						603405	02-Apr-96
						603406	16-Jun-94
						603406	05-Oct-94
						603406	11-Jan-95
						603406	26-Apr-95
						603406	26-Jul-95
						603406	07-Nov-95
						603397	04-Oct-94
						603397	11-Apr-95
						603397	14-Feb-96
						603404	16-Jun-94
						603404	05-Oct-94
						603404	26-Jul-95
						603404	02-Apr-96
Trace elements	ARSENIC ICP	6	25	13.5	10.8		
						603406	16-Jun-94
						603402	12-Apr-95
						603397	09-Jun-94
	ARSENIC MUD DRY WT	1	3.44	3.44	10.8		
	CADMIUM ICP DRY WT	19	1.2	0.8157895	0.583		

Summary statistics of chemicals and TEL exceedances in Sheboygan, Collection device: Trap

CHEMICAL CLASS	CHEMICAL NAME	Approx. # of DETECTS	MAX CONC	MEAN CONC	TEL	LOCATION of EXCEEDANCE	DATE COLLECTED
						603406	16-Jun-94
						603406	05-Oct-94
						603406	26-Jul-95
						603406	07-Nov-95
						603402	09-Jun-94
						603402	05-Oct-94
						603402	12-Apr-95
						603402	07-Nov-95
						603401	09-Jun-94
						603401	04-Oct-94
						603401	11-Apr-95
						603401	02-Apr-96
						603397	09-Jun-94
						603397	11-Apr-95
						603397	26-Jul-95
						603404	05-Oct-94
						603404	02-Apr-96
	CHROMIUM AA FURNACE DRY WEIGHT	25	35	25.88	36.3		
	COPPER ICP DRY WT	25	63	35.08	28		
						603406	16-Jun-94
						603406	05-Oct-94
						603406	26-Jul-95
						603406	07-Nov-95
						603402	09-Jun-94
						603402	05-Oct-94
						603402	12-Apr-95
						603402	26-Jul-95
						603402	07-Nov-95
						603402	02-Apr-96
						603401	07-Nov-95
						603397	11-Apr-95
						603397	14-Feb-96
						603404	05-Oct-94
						603404	26-Jul-95
						603404	02-Apr-96
	LEAD AA FURNACE	25	110	43.28	37.2		
						603406	16-Jun-94
						603406	05-Oct-94
						603406	26-Jul-95
						603406	07-Nov-95
						603402	09-Jun-94
						603402	05-Oct-94
						603402	12-Apr-95
						603402	26-Jul-95
						603402	07-Nov-95
						603402	02-Apr-96
						603397	14-Feb-96
						603404	05-Oct-94
						603404	26-Jul-95
						603404	02-Apr-96
	MERCURY DRY WT AA COLD VAPOR	25	0.79	0.12796	0.174		
						603402	12-Apr-95
						603401	07-Nov-95
	NICKEL ICP DRY WT	13	21	17.6923077	19.5		
						603406	16-Jun-94
						603406	05-Oct-94
						603402	05-Oct-94
						603401	04-Oct-94
						603397	09-Jun-94

Summary statistics of chemicals and TEL exceedances in Sheboygan, Collection device: Trap

CHEMICAL CLASS	CHEMICAL NAME	Approx. # of DETECTS	MAX CONC	MEAN CONC	TEL	LOCATION of EXCEEDANCE	DATE COLLECTED
	SELENIUM ICP DRY WT	1	0.8	0.8		603397	11-Apr-95
	ZINC ICP DRY WT	13	170	90.3076923	98.1		
						603406	16-Jun-94
						603406	05-Oct-94
						603402	05-Oct-94
	<b>PCB AROCLOR 1242/1248/1254 DRY WGHT</b>	36	47	5.6444444			
	AROCLOR 1254	1	0.05	0.05			
	PCB 1242/1248 SOILS	32	7.9	3.574375			
	PCB 1242/1254	8	14	5.51625			
	PCB 1248 SOIL	17	9.7	5.1764706			
<b>PCB Congeners</b>	PCB CONG #005/008	28	1500	191.4714286			
	PCB CONG #006	23	70	14.8217391			
	PCB CONG #007	19	8.2	2.5089474			
	PCB CONG #016/032	29	520	86.0734483			
	PCB CONG #017	26	510	104.0153846			
	PCB CONG #018	25	150	41.8336			
	PCB CONG #019	24	84	20.0583333			
	PCB CONG #022	27	150	46.2288889			
	PCB CONG #024/027	24	140	26.5191667			
	PCB CONG #026	24	260	68.4208333			
	PCB CONG #028/031	27	840	328.7518519			
	PCB CONG #033	27	220	56.1159259			
	PCB CONG #037/042	26	260	94.4684615			
	PCB CONG #040	24	97	30.6625			
	PCB CONG #041/064/071	28	630	168.9714286			
	PCB CONG #044	32	510	125.321875			
	PCB CONG #045	24	72	25.5			
	PCB CONG #046	25	34	10.052			
	PCB CONG #047/048	26	610	197.4538462			
	PCB CONG #049	28	360	125.6014286			
	PCB CONG #052	31	480	135.8254839			
	PCB CONG #056/060	27	540	145.7037037			
	PCB CONG #066/095	32	1000	285.140625			
	PCB CONG #070/076	33	710	172.2854545			
	PCB CONG #074	33	300	79.8981818			
	PCB CONG #077/110	33	550	181.8672727			
	PCB CONG #082	27	58	21.9448148			
	PCB CONG #084/092	31	300	92.5319355			
	PCB CONG #085	32	110	33.153125			
	PCB CONG #087	33	170	52.86			
	PCB CONG #091	25	130	48.6584			
	PCB CONG #097	33	130	40.4739394			
	PCB CONG #099	33	150	51.2881818			
	PCB CONG #101	33	230	77.0015152			
	PCB CONG #105	13	86	35.3538462			
	PCB CONG #118	36	260	89.7786111			
	PCB CONG #123	10	23	10.12			
	PCB CONG #126	7	1	0.7428571			
	PCB CONG #128 LAND DRY WGHT	19	30	14.0642105			
	PCB CONG #132/153	33	210	60.3375758			
	PCB CONG #135/144	26	34	10.75			
	PCB CONG #136	31	17	5.8580645			
	PCB CONG #137/176	15	8.6	4.7733333			
	PCB CONG #138/163	33	180	63.4993939			
	PCB CONG #141	25	24	8.672			
	PCB CONG #146	25	41	13.922			
	PCB CONG #149	32	120	33.7040625			

Summary statistics of chemicals and TEL exceedances in Sheboygan, Collection device: Trap

CHEMICAL CLASS	CHEMICAL NAME	Approx. # of DETECTS	MAX CONC	MEAN CONC	TEL	LOCATION of EXCEEDANCE	DATE COLLECTED
	PCB CONG #151	26	32	10.9342308			
	PCB CONG #156	10	15	7.62			
	PCB CONG #157	11	6.7	2.3454545			
	PCB CONG #167 LAND DRY WGHT	15	6.9	3.5066667			
	PCB CONG #169	7	0.9	0.4571429			
	PCB CONG #170/190	28	36	16.3164286			
	PCB CONG #171/202	24	7.5	3.2520833			
	PCB CONG #172/197	16	5.4	2.48125			
	PCB CONG #174	26	13	5.0503846			
	PCB CONG #177	26	14	5.0607692			
	PCB CONG #178	20	11	3.69			
	PCB CONG #180	31	30	11.1206452			
	PCB CONG #182/187	26	19	6.2623077			
	PCB CONG #183	25	9.8	4.7064			
	PCB CONG #185	4	0.88	0.8225			
	PCB CONG #194	22	7.4	2.8727273			
	PCB CONG #195/208	16	8.3	3.775			
	PCB CONG #196/203	21	11	4.8904762			
	PCB CONG #201	22	11	3.9245455			
	PCB CONG #206	16	4.4	2.24625			
	PCB CONG #77	11	39	14.2090909			
PCB Other	PCB MUD DRY	1	0.1	0.1			

Summary statistics and TEL exceedances of chemicals in Sheboygan River, Collection device: Piston Corer

CHEMICAL CLASS	CHEMICAL NAME	Approx. # of DETECTS	MAX CONC (ug/kg)	MEAN CONC (ug/kg)	TEL (ug/kg)	LOCATION of EXCEEDANCE	DATE COLLECTED
Conventional	CARBON TOTAL ORGANIC	19	35900.00	21670.53			
	ACENAPHTHENE	3	500.00	313.33			
	ACENAPHTHYLENE	2	500.00	360.00			
	ANTHRACENE	5	670.00	290.00	10		
						603368	22-Feb-95
					603380	24-Feb-95	
					603366	21-Feb-95	
					603365	21-Feb-95	
					603363	21-Feb-95	
	PAH BENZO (A) ANTHRACENE	6	1800.00	945.00	15.7		
						603368	22-Feb-95
						603380	24-Feb-95
						603366	21-Feb-95
						603365	21-Feb-95
						603363	21-Feb-95
						603375	23-Feb-95
	BENZO (B) FLUORANTHENE	7	2100.00	797.14	27.2		
						603368	22-Feb-95
						603380	24-Feb-95
						603379	24-Feb-95
						603366	21-Feb-95
						603365	21-Feb-95
						603363	21-Feb-95
						603375	23-Feb-95
						603375	23-Feb-95
	BENZO (A) PYRENE	7	1500.00	631.43	32.4		
						603368	22-Feb-95
						603380	24-Feb-95
						603366	21-Feb-95
						603365	21-Feb-95
						603363	21-Feb-95
						603375	23-Feb-95
						603375	23-Feb-95
	BENZO (B) FLUORANTHENE	7	2100.00	797.14	27.2		
	BENZO (E) PYRENE	6	1000.00	541.67			
	BENZO (G H I) PERYLENE	4	540.00	317.50	15.5		
						603368	22-Feb-95
						603380	24-Feb-95
						603366	21-Feb-95
						603363	21-Feb-95
	BENZO (K) FLUORANTHENE	5	920.00	464.00	27.2		
						603368	22-Feb-95
						603380	24-Feb-95
						603366	21-Feb-95
						603365	21-Feb-95
						603363	21-Feb-95
	CHRYSENE	7	1600.00	701.43	26.8		
						603368	22-Feb-95
						603380	24-Feb-95
						603366	21-Feb-95
						603365	21-Feb-95
						603363	21-Feb-95
						603375	23-Feb-95
						603376	23-Feb-95
	DIBENZO (A H) ANTHRACENE	1	500.00	500.00	10	603380	24-Feb-95
	FLUORANTHENE	12	5200.00	1183.33	31.5		
						603368	22-Feb-95
						603380	24-Feb-95
						603377	24-Feb-95
						603379	24-Feb-95
						603366	21-Feb-95
						603365	21-Feb-95
						603369	22-Feb-95
						603363	21-Feb-95
						603370	22-Feb-95
						603375	23-Feb-95

Summary statistics and TEL exceedances of chemicals in Sheboygan River, Collection device: Piston Corer

CHEMICAL CLASS	CHEMICAL NAME	Approx. # of DETECTS	MAX CONC (ug/kg)	MEAN CONC (ug/kg)	TEL (ug/kg)	LOCATION of EXCEEDANCE	DATE COLLECTED
FLUORENE		3	500.00	286.67	10	603372	23-Feb-95
						603376	23-Feb-95
						603380	24-Feb-95
						603366	21-Feb-95
						603365	21-Feb-95
INDENO (1 2 3-C D) PYRENE		5	680.00	358.00	17.3	603368	22-Feb-95
						603380	24-Feb-95
						603366	21-Feb-95
						603365	21-Feb-95
						603363	21-Feb-95
PERYLENE		6	500.00	218.33			
PHENANTHRENE		8	3500.00	993.75	18.7	603368	22-Feb-95
						603380	24-Feb-95
						603366	21-Feb-95
						603365	21-Feb-95
						603369	22-Feb-95
						603363	21-Feb-95
						603375	23-Feb-95
						603376	23-Feb-95
						603368	22-Feb-95
						603380	24-Feb-95
PYRENE		10	4000.00	1270.00	44.3	603377	24-Feb-95
						603379	24-Feb-95
						603366	21-Feb-95
						603365	21-Feb-95
						603369	22-Feb-95
						603363	21-Feb-95
						603375	23-Feb-95
						603376	23-Feb-95
						603368	22-Feb-95
						603380	24-Feb-95
PCB Congeners	PCB CONG #005/008	19	1500.00	288.11			
	PCB CONG #006	19	74.00	18.29			
	PCB CONG #007	19	22.00	3.81			
	PCB CONG #016/032	19	870.00	142.79			
	PCB CONG #017	19	860.00	143.58			
	PCB CONG #018	19	200.00	38.51			
	PCB CONG #019	19	270.00	36.23			
	PCB CONG #022	19	160.00	31.95			
	PCB CONG #024/027	19	280.00	42.36			
	PCB CONG #026	19	300.00	72.68			
	PCB CONG #028/031	19	1500.00	319.89			
	PCB CONG #033	19	190.00	51.37			
	PCB CONG #037/042	19	250.00	68.68			
	PCB CONG #040	19	100.00	20.89			
	PCB CONG #041/064/071	19	530.00	147.32			
	PCB CONG #044	19	500.00	115.89			
	PCB CONG #045	19	92.00	21.81			
	PCB CONG #046	19	41.00	8.67			
	PCB CONG #047/048	19	1300.00	269.00			
	PCB CONG #049	19	430.00	120.84			
	PCB CONG #052	19	480.00	138.79			
	PCB CONG #056/060	19	350.00	87.95			
	PCB CONG #066/095	19	780.00	210.11			
	PCB CONG #070/076	19	550.00	122.74			
	PCB CONG #074	19	220.00	62.32			
	PCB CONG #077 SOIL	19	30.00	9.78			
	PCB CONG #077/110	19	720.00	191.11			
	PCB CONG #082	19	69.00	16.52			
	PCB CONG #084/092	19	390.00	102.53			
	PCB CONG #085	19	120.00	26.38			
	PCB CONG #087	19	210.00	47.42			
PCB CONG #091	19	230.00	54.58				
PCB CONG #097	19	150.00	39.68				
PCB CONG #099	19	210.00	53.47				

Summary statistics and TEL exceedances of chemicals in Sheboygan River, Collection device: Piston Corer

CHEMICAL CLASS	CHEMICAL NAME	Approx. # of DETECTS	MAX CONC (ug/kg)	MEAN CONC (ug/kg)	TEL (ug/kg)	LOCATION of EXCEEDANCE	DATE COLLECTED
	PCB CONG #101	19	300.00	80.68			
	PCB CONG #105 SOIL	19	160.00	41.05			
	PCB CONG #118	19	290.00	84.11			
	PCB CONG #123 SOIL	19	15.00	3.79			
	PCB CONG #126 SOIL	13	1.20	0.41			
	PCB CONG #128 LAND DRY WGHT	19	47.00	12.88			
	PCB CONG #132/153	19	330.00	74.89			
	PCB CONG #135/144	19	57.00	12.64			
	PCB CONG #136	19	31.00	6.22			
	PCB CONG #137/176	10	4.70	2.62			
	PCB CONG #138/163	19	290.00	78.11			
	PCB CONG #141	19	36.00	9.07			
	PCB CONG #146	19	70.00	15.32			
	PCB CONG #149	19	200.00	48.11			
	PCB CONG #151	19	56.00	13.06			
	PCB CONG #156 SOIL	19	27.00	7.44			
	PCB CONG #157 SOIL	19	8.10	2.23			
	PCB CONG #167 LAND DRY WGHT	19	9.80	2.70			
	PCB CONG #169 SOIL	4	0.64	0.42			
	PCB CONG #170/190	19	63.00	16.65			
	PCB CONG #171/202	18	7.20	2.29			
	PCB CONG #172/197	17	7.60	2.29			
	PCB CONG #174	19	19.00	5.18			
	PCB CONG #177	19	22.00	5.63			
	PCB CONG #178	19	8.20	2.29			
	PCB CONG #180	19	45.00	13.34			
	PCB CONG #182/187	19	28.00	6.06			
	PCB CONG #183	19	16.00	4.48			
	PCB CONG #185	1	0.58	0.58			
	PCB CONG #194	19	6.40	2.39			
	PCB CONG #195/208	17	7.80	3.01			
	PCB CONG #196/203	18	12.00	4.27			
	PCB CONG #201	19	9.80	3.43			
	PCB CONG #206	6	2.50	1.37			



WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (inches)	Weight (kg)	Store Parameter Description	Result Amount	Qual. Code	Units
605024	SHEBOYGAN RIVER MOUTH	7602	6/24/78	ALEWIFE	EDIBLE PORTION	U	5	0	0	FAT PERCENT NON-HEX EXT	4	M	%
605024	SHEBOYGAN RIVER MOUTH	781A	5/18/78	ALEWIFE	EDIBLE PORTION	U	10	6	0	FAT PERCENT NON-HEX EXT	7.6	M	%
605024	SHEBOYGAN RIVER MOUTH	781B	5/18/78	ALEWIFE	EDIBLE PORTION	U	10	6	0	FAT PERCENT NON-HEX EXT	7.6	M	%
605024	SHEBOYGAN RIVER MOUTH	7602	6/24/78	ALEWIFE	EDIBLE PORTION	U	5	0	0	PCB TOTAL	3.4	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	781B	5/18/78	ALEWIFE	EDIBLE PORTION	U	10	6	0	PCB TOTAL	3.1	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	781A	5/18/78	ALEWIFE	EDIBLE PORTION	U	10	6	0	PCB TOTAL	2.6	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	9001	5/14/90	BLACK BULLHEAD	SKIN OFF FILLET	F	1	9.1	0.21	FAT PERCENT NON-HEX EXT	2.7	1	%
605025	SHEBOYGAN RIVER HARBOR	9001	5/14/90	BLACK BULLHEAD	SKIN OFF FILLET	F	1	9.1	0.21	PCB 1248/1254	1.3	1	UG/G
605024	SHEBOYGAN RIVER MOUTH	7802	3/31/78	BLACK BULLHEAD	WHOLE FISH	U	12	6.8	0	FAT PERCENT NON-HEX EXT	5.2	M	%
605024	SHEBOYGAN RIVER MOUTH	7801	3/31/78	BLACK BULLHEAD	WHOLE FISH	U	17	5.2	0	FAT PERCENT NON-HEX EXT	0.7	M	%
605024	SHEBOYGAN RIVER MOUTH	7801	3/31/78	BLACK BULLHEAD	WHOLE FISH	U	17	5.2	0	PCB TOTAL	41.8	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7802	3/31/78	BLACK BULLHEAD	WHOLE FISH	U	12	6.8	0	PCB TOTAL	34.3	M	UG/G
605033	SHEBOYGAN RIVER ABOVE JOHNSONVILLE	7803	4/28/78	BLACK CRAPPIE	WHOLE FISH	U	3	6	0	FAT PERCENT NON-HEX EXT	0.4	M	%
605033	SHEBOYGAN RIVER ABOVE JOHNSONVILLE	7803	4/28/78	BLACK CRAPPIE	WHOLE FISH	U	3	6	0	PCB TOTAL	0.5	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7826	10/31/78	BLACK CRAPPIE	WHOLE FISH	U	2	8	0	FAT PERCENT NON-HEX EXT	3.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8501	9/16/85	BLACK CRAPPIE	SKIN ON FILLET	U	3	9.22	0.23	FAT PERCENT NON-HEX EXT	1.7	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9405	5/11/94	BLACK CRAPPIE	SKIN ON FILLET	M	1	8.8	0.17	FAT PERCENT NON-HEX EXT	0.8	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9405	5/11/94	BLACK CRAPPIE	SKIN ON FILLET	M	1	8.8	0.17	PCB 1248/1254	1.2	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7826	10/31/78	BLACK CRAPPIE	WHOLE FISH	U	2	8	0	PCB TOTAL	210	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8501	9/16/85	BLACK CRAPPIE	SKIN ON FILLET	U	3	9.22	0.23	PCB TOTAL	1.4	M	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8807	6/28/88	BLACK CRAPPIE	SKIN ON FILLET	F	1	7.4	0.09	FAT PERCENT NON-HEX EXT	0.5	M	%
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8807	6/28/88	BLACK CRAPPIE	SKIN ON FILLET	F	1	7.4	0.09	PCB 1248/1254	0.65	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8807	8/24/88	BLACK CRAPPIE	SKIN ON FILLET	F	1	8.9	0.16	FAT PERCENT NON-HEX EXT	1.3	M	%
605025	SHEBOYGAN RIVER HARBOR	8807	8/24/88	BLACK CRAPPIE	SKIN ON FILLET	F	1	8.9	0.16	PCB 1248/1254	6.7	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8617	10/23/86	BLACK CRAPPIE	SKIN ON FILLET	U	1	11.26	0.45	FAT PERCENT NON-HEX EXT	1.4	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8616	10/23/86	BLACK CRAPPIE	SKIN ON FILLET	U	1	8.86	0.3	FAT PERCENT NON-HEX EXT	1.3	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8615	10/23/86	BLACK CRAPPIE	SKIN ON FILLET	U	1	8.19	0.15	FAT PERCENT NON-HEX EXT	0.6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8616	10/23/86	BLACK CRAPPIE	SKIN ON FILLET	U	1	8.86	0.3	PCB TOTAL	2.7	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8617	10/23/86	BLACK CRAPPIE	SKIN ON FILLET	U	1	11.26	0.45	PCB TOTAL	2.7	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8615	10/23/86	BLACK CRAPPIE	SKIN ON FILLET	U	1	8.19	0.15	PCB TOTAL	0.42	M	UG/G
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	7805	4/28/78	BLACK CRAPPIE	WHOLE FISH	U	2	6.5	0	FAT PERCENT NON-HEX EXT	1.1	M	%
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	7805	4/28/78	BLACK CRAPPIE	WHOLE FISH	U	2	6.5	0	PCB TOTAL	2	M	UG/G
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8806	6/28/88	BLACK CRAPPIE	SKIN ON FILLET	U	1	8.2	0.16	FAT PERCENT NON-HEX EXT	0.5	M	%
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8805	6/28/88	BLACK CRAPPIE	SKIN ON FILLET	F	1	7.5	0.11	FAT PERCENT NON-HEX EXT	0.4	M	%
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8806	6/28/88	BLACK CRAPPIE	SKIN ON FILLET	U	1	8.2	0.16	PCB 1248/1254	5.9	M	UG/G
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8805	6/28/88	BLACK CRAPPIE	SKIN ON FILLET	F	1	7.5	0.11	PCB 1248/1254	2.9	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7825	10/31/78	BLUEGILL	WHOLE FISH	U	10	5.5	0	FAT PERCENT NON-HEX EXT	3.6	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8104	7/22/81	BLUEGILL	SKIN ON FILLET	U	5	6.2	0.13	FAT PERCENT NON-HEX EXT	1.1	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8502	9/16/85	BLUEGILL	SKIN ON FILLET	U	2	7.1	0.13	FAT PERCENT NON-HEX EXT	1.3	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7825	10/31/78	BLUEGILL	WHOLE FISH	U	10	5.5	0	PCB TOTAL	105	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8104	7/22/81	BLUEGILL	SKIN ON FILLET	U	5	6.2	0.13	PCB TOTAL	16	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8502	9/16/85	BLUEGILL	SKIN ON FILLET	U	2	7.1	0.13	PCB TOTAL	6.1	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8808	8/24/88	BLUEGILL	SKIN ON FILLET	F	1	7.5	0.22	FAT PERCENT NON-HEX EXT	1.4	M	%
605025	SHEBOYGAN RIVER HARBOR	9010	9/27/90	BLUEGILL	SKIN ON FILLET	F	1	6.1	0.1	FAT PERCENT NON-HEX EXT	0.7	1	%
605025	SHEBOYGAN RIVER HARBOR	8808	8/24/88	BLUEGILL	SKIN ON FILLET	F	1	7.5	0.22	PCB 1248/1254	2.2	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	9010	9/27/90	BLUEGILL	SKIN ON FILLET	F	1	6.1	0.1	PCB 1248/1254	1.6	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8612	10/23/86	BLUEGILL	SKIN ON FILLET	U	1	5.67	0.05	FAT PERCENT NON-HEX EXT	0.7	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8612	10/23/86	BLUEGILL	SKIN ON FILLET	U	1	5.67	0.05	PCB TOTAL	0.55	M	UG/G
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	7804	4/28/78	BLUEGILL	WHOLE FISH	U	38	3.5	0	FAT PERCENT NON-HEX EXT	1	M	%
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	7804	4/28/78	BLUEGILL	WHOLE FISH	U	38	3.5	0	PCB TOTAL	5	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8022	11/11/80	BROOK TROUT	SKIN ON FILLET	U	2	15.2	0.8	DDE P P	0.35	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8021	11/11/80	BROOK TROUT	SKIN ON FILLET	U	3	13	0.5	DDE P P	0.13	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7814	9/27/78	BROOK TROUT	SKIN ON FILLET	U	5	12	0	FAT PERCENT NON-HEX EXT	2.2	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	781E	10/11/78	BROOK TROUT	SKIN ON FILLET	U	5	12.5	0	FAT PERCENT NON-HEX EXT	2.7	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7822	10/31/78	BROOK TROUT	SKIN ON FILLET	U	3	15.5	0	FAT PERCENT NON-HEX EXT	3.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7823	10/31/78	BROOK TROUT	SKIN ON FILLET	U	5	11.5	0	FAT PERCENT NON-HEX EXT	1.7	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8015	9/30/80	BROOK TROUT	SKIN ON FILLET	U	1	13.8	0.5	FAT PERCENT NON-HEX EXT	3.1	M	%

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8016	9/30/80	BROOK TROUT	SKIN ON FILLET	U	1	13	0.4	FAT PERCENT NON-HEX EXT	2.7	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8017	9/30/80	BROOK TROUT	SKIN ON FILLET	U	1	11.8	0.3	FAT PERCENT NON-HEX EXT	1.4	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8022	11/11/80	BROOK TROUT	SKIN ON FILLET	U	2	15.2	0.8	FAT PERCENT NON-HEX EXT	4.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8021	11/11/80	BROOK TROUT	SKIN ON FILLET	U	3	13	0.5	FAT PERCENT NON-HEX EXT	1.3	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8506	9/18/85	BROOK TROUT	SKIN ON FILLET	U	1	13	0.43	FAT PERCENT NON-HEX EXT	3.1	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	850A	9/18/85	BROOK TROUT	SKIN ON FILLET	U	1	12.8	0.37	FAT PERCENT NON-HEX EXT	2.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	850B	9/18/85	BROOK TROUT	SKIN ON FILLET	U	1	12.8	0.35	FAT PERCENT NON-HEX EXT	2.6	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8507	9/18/85	BROOK TROUT	SKIN ON FILLET	U	1	14.1	0.51	FAT PERCENT NON-HEX EXT	1.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8509	9/18/85	BROOK TROUT	SKIN ON FILLET	U	1	12.2	0.29	FAT PERCENT NON-HEX EXT	1.7	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8508	9/18/85	BROOK TROUT	SKIN ON FILLET	U	1	11.1	0.3	FAT PERCENT NON-HEX EXT	1.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7814	9/27/78	BROOK TROUT	SKIN ON FILLET	U	5	12	0	PCB TOTAL	7.4	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	781E	10/11/78	BROOK TROUT	SKIN ON FILLET	U	5	12.5	0	PCB TOTAL	12	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7823	10/31/78	BROOK TROUT	SKIN ON FILLET	U	5	11.5	0	PCB TOTAL	11.5	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7822	10/31/78	BROOK TROUT	SKIN ON FILLET	U	3	15.5	0	PCB TOTAL	9.3	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8015	9/30/80	BROOK TROUT	SKIN ON FILLET	U	1	13.8	0.5	PCB TOTAL	3.2	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8016	9/30/80	BROOK TROUT	SKIN ON FILLET	U	1	13	0.4	PCB TOTAL	2.8	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8017	9/30/80	BROOK TROUT	SKIN ON FILLET	U	1	11.8	0.3	PCB TOTAL	2	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8022	11/11/80	BROOK TROUT	SKIN ON FILLET	U	2	15.2	0.8	PCB TOTAL	3.2	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8021	11/11/80	BROOK TROUT	SKIN ON FILLET	U	3	13	0.5	PCB TOTAL	1.6	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	850A	9/18/85	BROOK TROUT	SKIN ON FILLET	U	1	12.8	0.37	PCB TOTAL	3.8	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8506	9/18/85	BROOK TROUT	SKIN ON FILLET	U	1	13	0.43	PCB TOTAL	3	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8509	9/18/85	BROOK TROUT	SKIN ON FILLET	U	1	12.2	0.29	PCB TOTAL	2.8	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8507	9/18/85	BROOK TROUT	SKIN ON FILLET	U	1	14.1	0.51	PCB TOTAL	1.6	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8508	9/18/85	BROOK TROUT	SKIN ON FILLET	U	1	11.1	0.3	PCB TOTAL	0.78	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	850B	9/18/85	BROOK TROUT	SKIN ON FILLET	U	1	12.8	0.35	PCB TOTAL	0.73	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8501	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.22	0.31	ALPHA-CHLORDANE	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8510	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.81	0.33	ALPHA-CHLORDANE	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8515	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	10.43	0.28	ALPHA-CHLORDANE	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8501	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.22	0.31	CHLORDANE GAMMA	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8510	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.81	0.33	CHLORDANE GAMMA	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8515	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	10.43	0.28	CHLORDANE GAMMA	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8501	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.22	0.31	CIS-NONACHLOR	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8510	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.81	0.33	CIS-NONACHLOR	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8515	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	10.43	0.28	CIS-NONACHLOR	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8501	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.22	0.31	DIELDRIN	0.06	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8510	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.81	0.33	DIELDRIN	0.04	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8501	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.22	0.31	DIELDRIN	0.02	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8515	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	10.43	0.28	FAT PERCENT NON-HEX EXT	6.5	M	%
605025	SHEBOYGAN RIVER HARBOR	8510	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.81	0.33	FAT PERCENT NON-HEX EXT	6	M	%
605025	SHEBOYGAN RIVER HARBOR	8505	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	10.43	0.22	FAT PERCENT NON-HEX EXT	4.9	M	%
605025	SHEBOYGAN RIVER HARBOR	850C	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	10.24	0.31	FAT PERCENT NON-HEX EXT	4.9	M	%
605025	SHEBOYGAN RIVER HARBOR	850D	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	10.24	0.21	FAT PERCENT NON-HEX EXT	4.7	M	%
605025	SHEBOYGAN RIVER HARBOR	850A	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	10.04	0.21	FAT PERCENT NON-HEX EXT	4.5	M	%
605025	SHEBOYGAN RIVER HARBOR	8501	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.22	0.31	FAT PERCENT NON-HEX EXT	4.4	M	%
605025	SHEBOYGAN RIVER HARBOR	850B	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	10.04	0.2	FAT PERCENT NON-HEX EXT	4.2	M	%
605025	SHEBOYGAN RIVER HARBOR	8506	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.22	0.29	FAT PERCENT NON-HEX EXT	3.8	M	%
605025	SHEBOYGAN RIVER HARBOR	850E	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.1	0.27	FAT PERCENT NON-HEX EXT	3.1	M	%
605025	SHEBOYGAN RIVER HARBOR	8507	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.34	0.3	FAT PERCENT NON-HEX EXT	2.7	M	%
605025	SHEBOYGAN RIVER HARBOR	8515	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	10.43	0.28	NONACHLOR TRANS FISH	0.06	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8501	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.22	0.31	NONACHLOR TRANS FISH	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8510	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.81	0.33	NONACHLOR TRANS FISH	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	850D	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	10.24	0.21	PCB TOTAL	2.9	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	850C	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	10.24	0.31	PCB TOTAL	2.3	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	850B	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	10.04	0.2	PCB TOTAL	2	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8515	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	10.43	0.28	PCB TOTAL	2	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8510	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.81	0.33	PCB TOTAL	1.9	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	850A	8/19/85	BROOK TROUT	SKIN ON FILLET	U	1	10.04	0.21	PCB TOTAL	1.7	M	UG/G

WDNR Fish Tissue Dataset

Location		Collection	Fish Type	Fish: Form	Num. In	Length	Weight	Storet Parameter Description		Result	Qual.	
Code	Site Name	Field #	Date	Description	Sex	Sample	(Inches)	(kg)		Amount	Code	Units
605025	SHEBOYGAN RIVER HARBOR	8505	6/19/85	BROOK TROUT	SKIN ON FILLET	U	1	10.43	0.22	PCB TOTAL	1.4	M UG/G
605025	SHEBOYGAN RIVER HARBOR	8501	6/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.22	0.31	PCB TOTAL	0.9	M UG/G
605025	SHEBOYGAN RIVER HARBOR	8508	6/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.22	0.29	PCB TOTAL	0.75	M UG/G
605025	SHEBOYGAN RIVER HARBOR	850E	6/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.1	0.27	PCB TOTAL	0.53	M UG/G
605025	SHEBOYGAN RIVER HARBOR	8507	6/19/85	BROOK TROUT	SKIN ON FILLET	U	1	11.34	0.3	PCB TOTAL	0.29	M UG/G
605028	SHEBOYGAN RIVER HIGHWAY I43	7902	11/9/79	BROOK TROUT	SKIN ON FILLET	U	1	14.2	0.6	FAT PERCENT NON-HEX EXT	6.8	M %
605028	SHEBOYGAN RIVER HIGHWAY I43	7902	11/9/79	BROOK TROUT	SKIN ON FILLET	U	1	14.2	0.6	PCB TOTAL	7.7	M UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	820A	10/27/82	BROOK TROUT	SKIN ON FILLET	U	1	14	0.7	FAT PERCENT NON-HEX EXT	4.7	M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8209	10/27/82	BROOK TROUT	SKIN ON FILLET	U	1	14.6	0.6	FAT PERCENT NON-HEX EXT	2.1	M %
605027	SHEBOYGAN RIVER KIWANIS PARK	820C	10/27/82	BROOK TROUT	SKIN ON FILLET	U	1	11.2	0.2	FAT PERCENT NON-HEX EXT	1.3	M %
605027	SHEBOYGAN RIVER KIWANIS PARK	820B	10/27/82	BROOK TROUT	SKIN ON FILLET	U	1	11.3	0.25	FAT PERCENT NON-HEX EXT	0.9	M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8540	9/25/85	BROOK TROUT	SKIN ON FILLET	U	1	15.75	1	FAT PERCENT NON-HEX EXT	3.1	M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8544	10/2/85	BROOK TROUT	SKIN ON FILLET	U	1	12.6	0.35	FAT PERCENT NON-HEX EXT	1.1	M %
605027	SHEBOYGAN RIVER KIWANIS PARK	820C	10/27/82	BROOK TROUT	SKIN ON FILLET	U	1	11.2	0.2	PCB TOTAL	4.8	M UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	820A	10/27/82	BROOK TROUT	SKIN ON FILLET	U	1	14	0.7	PCB TOTAL	0.94	M UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8209	10/27/82	BROOK TROUT	SKIN ON FILLET	U	1	14.6	0.6	PCB TOTAL	0.44	M UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	820B	10/27/82	BROOK TROUT	SKIN ON FILLET	U	1	11.3	0.25	PCB TOTAL	0.37	M UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8540	9/25/85	BROOK TROUT	SKIN ON FILLET	U	1	15.75	1	PCB TOTAL	4	M UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8544	10/2/85	BROOK TROUT	SKIN ON FILLET	U	1	12.6	0.35	PCB TOTAL	0.8	M UG/G
605024	SHEBOYGAN RIVER MOUTH	7804	6/24/76	BROOK TROUT	SKIN ON FILLET	U	1	12.5	0	FAT PERCENT NON-HEX EXT	4.8	M %
605024	SHEBOYGAN RIVER MOUTH	7912	10/4/79	BROOK TROUT	SKIN ON FILLET	U	1	19	1.6	FAT PERCENT NON-HEX EXT	4.7	M %
605024	SHEBOYGAN RIVER MOUTH	7911	10/4/79	BROOK TROUT	SKIN ON FILLET	U	5	15.7	0.85	FAT PERCENT NON-HEX EXT	4.4	M %
605024	SHEBOYGAN RIVER MOUTH	7910	10/4/79	BROOK TROUT	SKIN ON FILLET	U	1	11	0.3	FAT PERCENT NON-HEX EXT	2.5	M %
605024	SHEBOYGAN RIVER MOUTH	8109	9/29/81	BROOK TROUT	SKIN ON FILLET	U	2	13.2	0.6	FAT PERCENT NON-HEX EXT	2.4	M %
605024	SHEBOYGAN RIVER MOUTH	7804	6/24/76	BROOK TROUT	SKIN ON FILLET	U	1	12.5	0	PCB TOTAL	7.8	M UG/G
605024	SHEBOYGAN RIVER MOUTH	7911	10/4/79	BROOK TROUT	SKIN ON FILLET	U	5	15.7	0.85	PCB TOTAL	22	M UG/G
605024	SHEBOYGAN RIVER MOUTH	7912	10/4/79	BROOK TROUT	SKIN ON FILLET	U	1	19	1.6	PCB TOTAL	5.6	M UG/G
605024	SHEBOYGAN RIVER MOUTH	7910	10/4/79	BROOK TROUT	SKIN ON FILLET	U	1	11	0.3	PCB TOTAL	3.2	M UG/G
605024	SHEBOYGAN RIVER MOUTH	8109	9/29/81	BROOK TROUT	SKIN ON FILLET	U	2	13.2	0.6	PCB TOTAL	1.1	M UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8005	7/29/80	BROWN BULLHEAD	WHOLE FISH	U	4	8.66	0.2	FAT PERCENT NON-HEX EXT	3.2	M %
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8005	7/29/80	BROWN BULLHEAD	WHOLE FISH	U	4	8.66	0.2	PCB TOTAL	39	M UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7811	9/27/78	BROWN TROUT	SKIN ON FILLET	U	1	27.3	0	FAT PERCENT NON-HEX EXT	15	M %
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7812	9/27/78	BROWN TROUT	SKIN ON FILLET	U	1	21	0	FAT PERCENT NON-HEX EXT	8.8	M %
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7813	9/27/78	BROWN TROUT	SKIN ON FILLET	U	3	23.5	0	FAT PERCENT NON-HEX EXT	7.6	M %
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	782C	10/31/78	BROWN TROUT	SKIN ON FILLET	U	3	20.5	0	FAT PERCENT NON-HEX EXT	2.9	M %
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	800B	9/30/80	BROWN TROUT	SKIN ON FILLET	U	1	22.8	3.1	FAT PERCENT NON-HEX EXT	16	M %
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	800E	9/30/80	BROWN TROUT	SKIN ON FILLET	U	1	21.6	3.1	FAT PERCENT NON-HEX EXT	15	M %
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	800C	9/30/80	BROWN TROUT	SKIN ON FILLET	U	1	24	3.45	FAT PERCENT NON-HEX EXT	12	M %
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	800D	9/30/80	BROWN TROUT	SKIN ON FILLET	U	1	27.2	4.6	FAT PERCENT NON-HEX EXT	11	M %
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	800F	9/30/80	BROWN TROUT	SKIN ON FILLET	U	1	20.9	2.2	FAT PERCENT NON-HEX EXT	7.2	M %
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8028	11/11/80	BROWN TROUT	SKIN ON FILLET	U	2	19.09	1.83	FAT PERCENT NON-HEX EXT	8.7	M %
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8027	11/11/80	BROWN TROUT	SKIN ON FILLET	U	3	16.5	1.2	FAT PERCENT NON-HEX EXT	7.6	M %
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7811	9/27/78	BROWN TROUT	SKIN ON FILLET	U	1	27.3	0	PCB TOTAL	14	M UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7812	9/27/78	BROWN TROUT	SKIN ON FILLET	U	1	21	0	PCB TOTAL	8.2	M UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7813	9/27/78	BROWN TROUT	SKIN ON FILLET	U	3	23.5	0	PCB TOTAL	7.8	M UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	782C	10/31/78	BROWN TROUT	SKIN ON FILLET	U	3	20.5	0	PCB TOTAL	5.6	M UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	800D	9/30/80	BROWN TROUT	SKIN ON FILLET	U	1	27.2	4.6	PCB TOTAL	9.4	M UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	800C	9/30/80	BROWN TROUT	SKIN ON FILLET	U	1	24	3.45	PCB TOTAL	8.1	M UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	800E	9/30/80	BROWN TROUT	SKIN ON FILLET	U	1	21.6	3.1	PCB TOTAL	4.4	M UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	800F	9/30/80	BROWN TROUT	SKIN ON FILLET	U	1	20.9	2.2	PCB TOTAL	4.1	M UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	800B	9/30/80	BROWN TROUT	SKIN ON FILLET	U	1	22.8	3.1	PCB TOTAL	3.6	M UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8027	11/11/80	BROWN TROUT	SKIN ON FILLET	U	3	16.5	1.2	PCB TOTAL	3.9	M UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8028	11/11/80	BROWN TROUT	SKIN ON FILLET	U	2	19.09	1.83	PCB TOTAL	1.9	M UG/G
605025	SHEBOYGAN RIVER HARBOR	8502	6/19/85	BROWN TROUT	EDIBLE PORTION	U	1	8.46	0.14	ALPHA-CHLORDANE	0.05	4 UG/G
605025	SHEBOYGAN RIVER HARBOR	8514	6/19/85	BROWN TROUT	SKIN ON FILLET	U	1	10.43	0.29	ALPHA-CHLORDANE	0.05	4 UG/G
605025	SHEBOYGAN RIVER HARBOR	8502	6/19/85	BROWN TROUT	EDIBLE PORTION	U	1	8.46	0.14	CHLORDANE GAMMA	0.05	4 UG/G
605025	SHEBOYGAN RIVER HARBOR	8514	6/19/85	BROWN TROUT	SKIN ON FILLET	U	1	10.43	0.29	CHLORDANE GAMMA	0.05	4 UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Store Parameter Description	Result Amount	Qual. Code	Units
605025	SHEBOYGAN RIVER HARBOR	8502	8/19/85	BROWN TROUT	EDIBLE PORTION	U	1	8.46	0.14	CIS-NONACHLOR	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8514	8/19/85	BROWN TROUT	SKIN ON FILLET	U	1	10.43	0.29	CIS-NONACHLOR	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8502	8/19/85	BROWN TROUT	EDIBLE PORTION	U	1	8.46	0.14	DIELDRIN	0.05	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8514	8/19/85	BROWN TROUT	SKIN ON FILLET	U	1	10.43	0.29	DIELDRIN	0.02	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8508	8/19/85	BROWN TROUT	SKIN ON FILLET	U	1	10.24	0.25	FAT PERCENT NON-HEX EXT	9.4	M	%
605025	SHEBOYGAN RIVER HARBOR	8514	8/19/85	BROWN TROUT	SKIN ON FILLET	U	1	10.43	0.29	FAT PERCENT NON-HEX EXT	6.8	M	%
605025	SHEBOYGAN RIVER HARBOR	8502	8/19/85	BROWN TROUT	EDIBLE PORTION	U	1	8.46	0.14	FAT PERCENT NON-HEX EXT	5.3	M	%
605025	SHEBOYGAN RIVER HARBOR	8513	8/19/85	BROWN TROUT	SKIN ON FILLET	U	1	9.64	0.16	FAT PERCENT NON-HEX EXT	3.9	M	%
605025	SHEBOYGAN RIVER HARBOR	8502	8/19/85	BROWN TROUT	EDIBLE PORTION	U	1	8.46	0.14	NONACHLOR TRANS FISH	0.05	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8514	8/19/85	BROWN TROUT	SKIN ON FILLET	U	1	10.43	0.29	NONACHLOR TRANS FISH	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8502	8/19/85	BROWN TROUT	EDIBLE PORTION	U	1	8.46	0.14	PCB TOTAL	3.5	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8508	8/19/85	BROWN TROUT	SKIN ON FILLET	U	1	10.24	0.25	PCB TOTAL	2.6	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8514	8/19/85	BROWN TROUT	SKIN ON FILLET	U	1	10.43	0.29	PCB TOTAL	2.4	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8513	8/19/85	BROWN TROUT	SKIN ON FILLET	U	1	9.64	0.16	PCB TOTAL	2.1	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840C	10/19/84	BROWN TROUT	SKIN ON FILLET	U	1	19.7	1.8	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	853B	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	23.03	2.8	ALPHA-CHLORDANE	0.09	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8515	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	21.85	3.5	ALPHA-CHLORDANE	0.07	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840C	10/19/84	BROWN TROUT	SKIN ON FILLET	U	1	19.7	1.8	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8515	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	21.85	3.5	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	853B	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	23.03	2.8	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840C	10/19/84	BROWN TROUT	SKIN ON FILLET	U	1	19.7	1.8	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	853B	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	23.03	2.8	CIS-NONACHLOR	0.08	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8515	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	21.85	3.5	CIS-NONACHLOR	0.06	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8516	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	19.29	3.5	DDD O P	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8516	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	19.29	3.5	DDD P P	0.05	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8516	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	19.29	3.5	DDE O P	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8516	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	19.29	3.5	DDE P P	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840C	10/19/84	BROWN TROUT	SKIN ON FILLET	U	1	19.7	1.8	DIELDRIN	0.02	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	853B	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	23.03	2.8	DIELDRIN	0.19	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8515	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	21.85	3.5	DIELDRIN	0.12	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8516	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	19.29	3.5	DIELDRIN	0.07	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	821A	10/27/82	BROWN TROUT	SKIN ON FILLET	U	1	23.1	2.7	FAT PERCENT NON-HEX EXT	12	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	821B	10/27/82	BROWN TROUT	SKIN ON FILLET	U	1	23.8	3.05	FAT PERCENT NON-HEX EXT	11	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8214	10/27/82	BROWN TROUT	SKIN ON FILLET	U	1	20.4	1.9	FAT PERCENT NON-HEX EXT	9.6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8219	10/27/82	BROWN TROUT	SKIN ON FILLET	U	1	22.5	2.7	FAT PERCENT NON-HEX EXT	6.8	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8216	10/27/82	BROWN TROUT	SKIN ON FILLET	U	1	21.2	2.25	FAT PERCENT NON-HEX EXT	5.9	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8218	10/27/82	BROWN TROUT	SKIN ON FILLET	U	1	21.6	2.15	FAT PERCENT NON-HEX EXT	4.6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8215	10/27/82	BROWN TROUT	SKIN ON FILLET	U	1	20.6	1.9	FAT PERCENT NON-HEX EXT	4.4	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8213	10/27/82	BROWN TROUT	SKIN ON FILLET	U	1	20.2	1.65	FAT PERCENT NON-HEX EXT	4	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8217	10/27/82	BROWN TROUT	SKIN ON FILLET	U	1	21.5	2.45	FAT PERCENT NON-HEX EXT	1.2	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	840C	10/19/84	BROWN TROUT	SKIN ON FILLET	U	1	19.7	1.8	FAT PERCENT NON-HEX EXT	2.1	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	853B	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	23.03	2.8	FAT PERCENT NON-HEX EXT	17	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8533	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	21.65	2.35	FAT PERCENT NON-HEX EXT	14	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8515	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	21.85	3.5	FAT PERCENT NON-HEX EXT	10.5	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8532	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	19.88	2.27	FAT PERCENT NON-HEX EXT	9.8	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8530	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	19.57	1.8	FAT PERCENT NON-HEX EXT	8.6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8543	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	23.11	2.8	FAT PERCENT NON-HEX EXT	8.6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8516	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	19.29	3.5	FAT PERCENT NON-HEX EXT	7.3	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8534	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	21.89	2.41	FAT PERCENT NON-HEX EXT	7	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8531	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	19.76	1.95	FAT PERCENT NON-HEX EXT	6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	852A	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	13.78	0.7	FAT PERCENT NON-HEX EXT	4.7	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	840C	10/19/84	BROWN TROUT	SKIN ON FILLET	U	1	19.7	1.8	NONACHLOR TRANS FISH	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	853B	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	23.03	2.8	NONACHLOR TRANS FISH	0.13	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8515	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	21.85	3.5	NONACHLOR TRANS FISH	0.09	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	821B	10/27/82	BROWN TROUT	SKIN ON FILLET	U	1	23.8	3.05	PCB TOTAL	8.3	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	821A	10/27/82	BROWN TROUT	SKIN ON FILLET	U	1	23.1	2.7	PCB TOTAL	7.5	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8214	10/27/82	BROWN TROUT	SKIN ON FILLET	U	1	20.4	1.9	PCB TOTAL	5.9	M	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. in Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605027	SHEBOYGAN RIVER KIWANIS PARK	8216	10/27/82	BROWN TROUT	SKIN ON FILLET	U	1	21.2	2.25	PCB TOTAL	4.9	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8218	10/27/82	BROWN TROUT	SKIN ON FILLET	U	1	21.8	2.15	PCB TOTAL	4.6	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8215	10/27/82	BROWN TROUT	SKIN ON FILLET	U	1	20.6	1.9	PCB TOTAL	3.5	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8219	10/27/82	BROWN TROUT	SKIN ON FILLET	U	1	22.5	2.7	PCB TOTAL	2.5	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8213	10/27/82	BROWN TROUT	SKIN ON FILLET	U	1	20.2	1.65	PCB TOTAL	2.3	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8217	10/27/82	BROWN TROUT	SKIN ON FILLET	U	1	21.5	2.45	PCB TOTAL	0.91	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840C	10/19/84	BROWN TROUT	SKIN ON FILLET	U	1	19.7	1.8	PCB TOTAL	1.5	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	853B	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	23.03	2.8	PCB TOTAL	3.7	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	852A	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	13.78	0.7	PCB TOTAL	3.2	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8533	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	21.65	2.35	PCB TOTAL	3	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8530	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	19.57	1.6	PCB TOTAL	2.4	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8531	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	19.76	1.95	PCB TOTAL	2.2	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8515	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	21.85	3.5	PCB TOTAL	2.1	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8543	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	23.11	2.8	PCB TOTAL	2.1	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8532	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	19.88	2.27	PCB TOTAL	1.9	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8534	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	21.89	2.41	PCB TOTAL	1.6	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8516	9/25/85	BROWN TROUT	SKIN ON FILLET	U	1	19.29	3.5	PCB TOTAL	1.5	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	760C	6/24/76	BROWN TROUT	SKIN ON FILLET	U	2	19.7	0	FAT PERCENT NON-HEX EXT	15.3	M	%
605024	SHEBOYGAN RIVER MOUTH	760B	6/24/76	BROWN TROUT	SKIN ON FILLET	U	2	18.3	0	FAT PERCENT NON-HEX EXT	12.6	M	%
605024	SHEBOYGAN RIVER MOUTH	760A	6/24/76	BROWN TROUT	SKIN ON FILLET	U	1	29	0	FAT PERCENT NON-HEX EXT	12	M	%
605024	SHEBOYGAN RIVER MOUTH	781F	9/12/78	BROWN TROUT	SKIN ON FILLET	U	5	22	0	FAT PERCENT NON-HEX EXT	16.5	M	%
605024	SHEBOYGAN RIVER MOUTH	7820	9/12/78	BROWN TROUT	SKIN ON FILLET	U	3	17.5	0	FAT PERCENT NON-HEX EXT	9.9	M	%
605024	SHEBOYGAN RIVER MOUTH	790D	10/4/79	BROWN TROUT	SKIN ON FILLET	U	1	24	3.6	FAT PERCENT NON-HEX EXT	11	M	%
605024	SHEBOYGAN RIVER MOUTH	790E	10/4/79	BROWN TROUT	SKIN ON FILLET	U	3	21.8	2.8	FAT PERCENT NON-HEX EXT	9.2	M	%
605024	SHEBOYGAN RIVER MOUTH	790F	10/4/79	BROWN TROUT	SKIN ON FILLET	U	1	19	1.4	FAT PERCENT NON-HEX EXT	5	M	%
605024	SHEBOYGAN RIVER MOUTH	810B	9/29/81	BROWN TROUT	SKIN ON FILLET	U	5	22.3	1.7	FAT PERCENT NON-HEX EXT	9.2	M	%
605024	SHEBOYGAN RIVER MOUTH	810D	11/11/81	BROWN TROUT	SKIN ON FILLET	U	1	22.8	2	FAT PERCENT NON-HEX EXT	3.7	M	%
605024	SHEBOYGAN RIVER MOUTH	760A	6/24/76	BROWN TROUT	SKIN ON FILLET	U	1	29	0	PCB TOTAL	12	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	760B	6/24/76	BROWN TROUT	SKIN ON FILLET	U	2	18.3	0	PCB TOTAL	6.3	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	760C	6/24/76	BROWN TROUT	SKIN ON FILLET	U	2	19.7	0	PCB TOTAL	5.1	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7820	9/12/78	BROWN TROUT	SKIN ON FILLET	U	3	17.5	0	PCB TOTAL	24	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	781F	9/12/78	BROWN TROUT	SKIN ON FILLET	U	5	22	0	PCB TOTAL	11	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	790D	10/4/79	BROWN TROUT	SKIN ON FILLET	U	1	24	3.6	PCB TOTAL	13	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	790E	10/4/79	BROWN TROUT	SKIN ON FILLET	U	3	21.8	2.8	PCB TOTAL	12	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	790F	10/4/79	BROWN TROUT	SKIN ON FILLET	U	1	19	1.4	PCB TOTAL	7.2	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	810B	9/29/81	BROWN TROUT	SKIN ON FILLET	U	5	22.3	1.7	PCB TOTAL	5.5	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	810D	11/11/81	BROWN TROUT	SKIN ON FILLET	U	1	22.8	2	PCB TOTAL	2.4	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7829	10/31/78	BURBOT	WHOLE FISH	U	1	12	0	FAT PERCENT NON-HEX EXT	4.4	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7829	10/31/78	BURBOT	WHOLE FISH	U	1	12	0	PCB TOTAL	150	M	UG/G
605033	SHEBOYGAN RIVER ABOVE JOHNSONVILLE	7809	4/28/78	CARP	WHOLE FISH	U	4	16.9	0	FAT PERCENT NON-HEX EXT	5.1	M	%
605033	SHEBOYGAN RIVER ABOVE JOHNSONVILLE	780A	4/28/78	CARP	WHOLE FISH	U	4	19.9	0	FAT PERCENT NON-HEX EXT	3.3	M	%
605033	SHEBOYGAN RIVER ABOVE JOHNSONVILLE	7807	4/28/78	CARP	SKIN ON FILLET	U	1	23.5	0	FAT PERCENT NON-HEX EXT	2.2	M	%
605033	SHEBOYGAN RIVER ABOVE JOHNSONVILLE	7808	4/28/78	CARP	SKIN ON FILLET	U	1	21.5	0	FAT PERCENT NON-HEX EXT	1.4	M	%
605033	SHEBOYGAN RIVER ABOVE JOHNSONVILLE	7809	4/28/78	CARP	WHOLE FISH	U	4	16.9	0	PCB TOTAL	0.8	M	UG/G
605033	SHEBOYGAN RIVER ABOVE JOHNSONVILLE	780A	4/28/78	CARP	WHOLE FISH	U	4	19.9	0	PCB TOTAL	0.8	M	UG/G
605033	SHEBOYGAN RIVER ABOVE JOHNSONVILLE	7807	4/28/78	CARP	SKIN ON FILLET	U	1	23.5	0	PCB TOTAL	0.6	M	UG/G
605033	SHEBOYGAN RIVER ABOVE JOHNSONVILLE	7808	4/28/78	CARP	SKIN ON FILLET	U	1	21.5	0	PCB TOTAL	0.4	M	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8702	5/12/87	CARP	SKIN ON FILLET	U	1	20	1.57	FAT PERCENT NON-HEX EXT	2.8	M	%
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8701	5/12/87	CARP	SKIN ON FILLET	U	1	20.1	1.86	FAT PERCENT NON-HEX EXT	2.2	M	%
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8702	5/12/87	CARP	SKIN ON FILLET	U	1	20	1.57	PCB TOTAL	0.3	M	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8701	5/12/87	CARP	SKIN ON FILLET	U	1	20.1	1.86	PCB TOTAL	0.2	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9406	6/15/94	CARP	SKIN ON FILLET	F	1	18.1	1.17	ALPHA-CHLORDANE	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9406	6/15/94	CARP	SKIN ON FILLET	F	1	18.1	1.17	CHLORDANE GAMMA	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9406	6/15/94	CARP	SKIN ON FILLET	F	1	18.1	1.17	CIS-NONACHLOR	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9406	6/15/94	CARP	SKIN ON FILLET	F	1	18.1	1.17	DDD O P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9406	6/15/94	CARP	SKIN ON FILLET	F	1	18.1	1.17	DDD P P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9406	6/15/94	CARP	SKIN ON FILLET	F	1	18.1	1.17	DDE O P	0.05	4	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605046	SHEBOYGAN RIVER BELOW KIEL	9406	8/15/94	CARP	SKIN ON FILLET	F	1	18.1	1.17	DDE P P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9406	8/15/94	CARP	SKIN ON FILLET	F	1	18.1	1.17	DDT O P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9406	8/15/94	CARP	SKIN ON FILLET	F	1	18.1	1.17	DDT P P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9406	8/15/94	CARP	SKIN ON FILLET	F	1	18.1	1.17	DIELDRIN	0.02	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9406	8/15/94	CARP	SKIN ON FILLET	F	1	18.1	1.17	FAT PERCENT NON-HEX EXT	2.8	1	%
605046	SHEBOYGAN RIVER BELOW KIEL	9406	8/15/94	CARP	SKIN ON FILLET	F	1	18.1	1.17	NONACHLOR TRANS	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9406	8/15/94	CARP	SKIN ON FILLET	F	1	18.1	1.17	PCB 1254 FISH	0.12	3	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8301	7/28/83	CARP	SKIN ON FILLET	U	3	19.7	0	2 3 7 8-TETRACHLORODIBENZO-P-DIOXIN	10	M	NG/KG
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8301	7/28/83	CARP	SKIN ON FILLET	U	3	19.7	0	2 3 7 8-TETRACHLORODIBENZOFURAN	55	M	NG/KG
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	ALDRIN	0.08	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	ALPHA-CHLORDANE	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9401	8/22/94	CARP	WHOLE FISH	B	5	21.02	2.07	ALPHA-CHLORDANE	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	ARSENIC FISH AND TISSUE	2	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	BHC ALPHA	0.02	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	CHLORDANE GAMMA	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9401	8/22/94	CARP	WHOLE FISH	B	5	21.02	2.07	CHLORDANE GAMMA	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	CHROMIUM FISH AND TISSUE	0.5	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	CIS-NONACHLOR	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9401	8/22/94	CARP	WHOLE FISH	B	5	21.02	2.07	CIS-NONACHLOR	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	COPPER FISH AND TISSUE	2.8	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	DDD O P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9401	8/22/94	CARP	WHOLE FISH	B	5	21.02	2.07	DDD O P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	DDD P P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9401	8/22/94	CARP	WHOLE FISH	B	5	21.02	2.07	DDD P P	0.08	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	DDE O P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9401	8/22/94	CARP	WHOLE FISH	B	5	21.02	2.07	DDE O P	0.89	0	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	DDE P P	0.32	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9401	8/22/94	CARP	WHOLE FISH	B	5	21.02	2.07	DDE P P	0.49	0	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	DDT O P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9401	8/22/94	CARP	WHOLE FISH	B	5	21.02	2.07	DDT O P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	DDT P P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9401	8/22/94	CARP	WHOLE FISH	B	5	21.02	2.07	DDT P P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	DIELDRIN	0.02	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9401	8/22/94	CARP	WHOLE FISH	B	5	21.02	2.07	DIELDRIN	0.02	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	ENDRIN	0.02	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7809	4/28/78	CARP	SKIN ON FILLET	U	1	27	0	FAT PERCENT NON-HEX EXT	12.2	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7810	4/28/78	CARP	WHOLE FISH	U	5	19.7	0	FAT PERCENT NON-HEX EXT	11.7	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	780E	4/28/78	CARP	WHOLE FISH	U	3	23.3	0	FAT PERCENT NON-HEX EXT	11.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	780A	4/28/78	CARP	SKIN ON FILLET	U	1	25	0	FAT PERCENT NON-HEX EXT	9.3	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	780F	4/28/78	CARP	WHOLE FISH	U	3	21.7	0	FAT PERCENT NON-HEX EXT	9	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	780C	4/28/78	CARP	SKIN ON FILLET	U	1	22	0	FAT PERCENT NON-HEX EXT	6.4	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	780D	4/28/78	CARP	SKIN ON FILLET	U	1	25	0	FAT PERCENT NON-HEX EXT	5.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	780B	4/28/78	CARP	SKIN ON FILLET	U	1	25	0	FAT PERCENT NON-HEX EXT	3.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7824	10/31/78	CARP	WHOLE FISH	U	1	10.5	0	FAT PERCENT NON-HEX EXT	1.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	FAT PERCENT NON-HEX EXT	12.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8001	7/29/80	CARP	SKIN ON FILLET	U	3	16.5	1.17	FAT PERCENT NON-HEX EXT	3.4	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8101	7/22/81	CARP	SKIN ON FILLET	U	5	18.4	1.29	FAT PERCENT NON-HEX EXT	3	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8301	7/28/83	CARP	SKIN ON FILLET	U	3	19.7	0	FAT PERCENT NON-HEX EXT	8.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8408	8/8/84	CARP	SKIN ON FILLET	U	5	18.8	1.5	FAT PERCENT NON-HEX EXT	2.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8407	8/6/84	CARP	SKIN ON FILLET	U	5	16.6	0.9	FAT PERCENT NON-HEX EXT	1.6	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8406	8/6/84	CARP	SKIN ON FILLET	U	3	14.5	0.6	FAT PERCENT NON-HEX EXT	0.4	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8810	8/27/88	CARP	SKIN ON FILLET	M	1	21.1	2.35	FAT PERCENT NON-HEX EXT	7.2	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8811	8/27/88	CARP	SKIN ON FILLET	F	1	21.7	2.15	FAT PERCENT NON-HEX EXT	6.7	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8809	8/27/88	CARP	SKIN ON FILLET	M	1	19.5	1.66	FAT PERCENT NON-HEX EXT	5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9410	4/18/94	CARP	SKIN ON FILLET	M	1	26	4.15	FAT PERCENT NON-HEX EXT	21	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9411	4/18/94	CARP	WHOLE FISH	B	5	22.26	2.58	FAT PERCENT NON-HEX EXT	13	1	%

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. in Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9409	4/18/94	CARP	SKIN ON FILLET	U	1	23.5	2.82	FAT PERCENT NON-HEX EXT	1.9	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9407	4/25/94	CARP	SKIN ON FILLET	F	1	20.8	2.11	FAT PERCENT NON-HEX EXT	7.6	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9408	4/25/94	CARP	SKIN ON FILLET	M	1	21.5	2.32	FAT PERCENT NON-HEX EXT	7.1	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9408	6/21/94	CARP	SKIN ON FILLET	M	1	19.5	1.41	FAT PERCENT NON-HEX EXT	1.3	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	940H	8/22/94	CARP	SKIN ON FILLET	F	1	23	3	FAT PERCENT NON-HEX EXT	10	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	940I	8/22/94	CARP	WHOLE FISH	B	5	21.02	2.07	FAT PERCENT NON-HEX EXT	9	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	940E	8/22/94	CARP	SKIN ON FILLET	M	1	20.7	1.82	FAT PERCENT NON-HEX EXT	6.3	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	940F	8/22/94	CARP	SKIN ON FILLET	M	1	21.6	2.06	FAT PERCENT NON-HEX EXT	3.5	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	940G	8/22/94	CARP	SKIN ON FILLET	M	1	22.5	2.37	FAT PERCENT NON-HEX EXT	2.5	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	940D	8/22/94	CARP	SKIN ON FILLET	M	1	17.3	1.12	FAT PERCENT NON-HEX EXT	1.4	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	HEXACHLOROBENZENE	0.02	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	LEAD FISH AND TISSUE	5	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	MERCURY FISH AND TISSUE	0.12	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	METHOXYCHLOR	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	940I	8/22/94	CARP	WHOLE FISH	B	5	21.02	2.07	NONACHLOR TRANS	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	NONACHLOR TRANS FISH	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8810	6/27/88	CARP	SKIN ON FILLET	M	1	21.1	2.35	PCB 1248/1254	51	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8811	6/27/88	CARP	SKIN ON FILLET	F	1	21.7	2.15	PCB 1248/1254	43	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8809	6/27/88	CARP	SKIN ON FILLET	M	1	19.5	1.66	PCB 1248/1254	33	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9411	4/18/94	CARP	WHOLE FISH	B	5	22.26	2.56	PCB 1248/1254	13	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9410	4/18/94	CARP	SKIN ON FILLET	M	1	26	4.15	PCB 1248/1254	12	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9409	4/18/94	CARP	SKIN ON FILLET	U	1	23.5	2.82	PCB 1248/1254	11	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9407	4/25/94	CARP	SKIN ON FILLET	F	1	20.8	2.11	PCB 1248/1254	5.7	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9408	4/25/94	CARP	SKIN ON FILLET	M	1	21.5	2.32	PCB 1248/1254	5.7	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	940G	8/22/94	CARP	SKIN ON FILLET	M	1	22.5	2.37	PCB 1248/1254	17	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	940I	8/22/94	CARP	WHOLE FISH	B	5	21.02	2.07	PCB 1248/1254	17	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	940H	8/22/94	CARP	SKIN ON FILLET	F	1	23	3	PCB 1248/1254	16	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	940E	8/22/94	CARP	SKIN ON FILLET	M	1	20.7	1.82	PCB 1248/1254	7	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	940D	8/22/94	CARP	SKIN ON FILLET	M	1	17.3	1.12	PCB 1248/1254	5.2	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	940F	8/22/94	CARP	SKIN ON FILLET	M	1	21.6	2.06	PCB 1248/1254	4.9	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9406	8/21/94	CARP	SKIN ON FILLET	M	1	19.5	1.41	PCB 1254 FISH	3.8	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7810	4/26/78	CARP	WHOLE FISH	U	5	19.7	0	PCB TOTAL	460	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	780E	4/26/78	CARP	WHOLE FISH	U	3	23.3	0	PCB TOTAL	350	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	780F	4/26/78	CARP	WHOLE FISH	U	3	21.7	0	PCB TOTAL	320	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7809	4/26/78	CARP	SKIN ON FILLET	U	1	27	0	PCB TOTAL	250	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	780D	4/26/78	CARP	SKIN ON FILLET	U	1	25	0	PCB TOTAL	250	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	780A	4/26/78	CARP	SKIN ON FILLET	U	1	25	0	PCB TOTAL	240	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	780B	4/26/78	CARP	SKIN ON FILLET	U	1	25	0	PCB TOTAL	180	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	780C	4/26/78	CARP	SKIN ON FILLET	U	1	22	0	PCB TOTAL	150	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7824	10/31/78	CARP	WHOLE FISH	U	1	10.5	0	PCB TOTAL	24	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	PCB TOTAL	28	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8001	7/29/80	CARP	SKIN ON FILLET	U	3	18.5	1.17	PCB TOTAL	34	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8101	7/22/81	CARP	SKIN ON FILLET	U	5	18.4	1.29	PCB TOTAL	110	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8301	7/26/83	CARP	SKIN ON FILLET	U	3	19.7	0	PCB TOTAL	90	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8407	8/6/84	CARP	SKIN ON FILLET	U	5	16.6	0.9	PCB TOTAL	12	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8408	8/6/84	CARP	SKIN ON FILLET	U	5	18.6	1.5	PCB TOTAL	6.1	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8406	8/6/84	CARP	SKIN ON FILLET	U	3	14.5	0.6	PCB TOTAL	5.8	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7907	7/10/79	CARP	WHOLE FISH	U	2	21.1	2.05	PENTACHLOROPHENOL	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	7801	10/11/78	CARP	WHOLE FISH	U	1	18	0	FAT PERCENT NON-HEX EXT	2.2	M	%
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8702	5/11/87	CARP	SKIN ON FILLET	U	1	20.7	2.08	FAT PERCENT NON-HEX EXT	5.9	M	%
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8701	5/11/87	CARP	SKIN ON FILLET	U	1	22.6	2.23	FAT PERCENT NON-HEX EXT	1.7	M	%
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8815	6/28/88	CARP	SKIN ON FILLET	M	1	20	1.85	FAT PERCENT NON-HEX EXT	6.3	M	%
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8816	6/28/88	CARP	SKIN ON FILLET	F	1	20.2	1.97	FAT PERCENT NON-HEX EXT	2.8	M	%
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8815	6/28/88	CARP	SKIN ON FILLET	M	1	20	1.85	PCB 1248/1254	31	M	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8816	6/28/88	CARP	SKIN ON FILLET	F	1	20.2	1.97	PCB 1248/1254	27	M	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	7801	10/11/78	CARP	WHOLE FISH	U	1	18	0	PCB TOTAL	20	M	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8702	5/11/87	CARP	SKIN ON FILLET	U	1	20.7	2.08	PCB TOTAL	83	M	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Stored Parameter Description	Result Amount	Qual. Code	Units
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8701	5/11/87	CARP	SKIN ON FILLET	U	1	22.6	2.23	PCB TOTAL	60	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	9009	5/14/90	CARP	SKIN ON FILLET	F	1	21.5	2.15	FAT PERCENT NON-HEX EXT	0.9	1	%
605025	SHEBOYGAN RIVER HARBOR	9008	5/14/90	CARP	SKIN ON FILLET	F	1	12	0.4	FAT PERCENT NON-HEX EXT	0.8	1	%
605025	SHEBOYGAN RIVER HARBOR	9008	5/14/90	CARP	SKIN ON FILLET	F	1	12	0.4	PCB 1248/1254	1.6	1	UG/G
605025	SHEBOYGAN RIVER HARBOR	9009	5/14/90	CARP	SKIN ON FILLET	F	1	21.5	2.15	PCB 1248/1254	1.3	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8909	7/8/89	CARP	WHOLE FISH	U	3	21.2	1.9	2 3 7 8-TETRACHLORODIBENZO-P-DIOXIN	1.23	M	NG/KG
605027	SHEBOYGAN RIVER KIWANIS PARK	8909	7/8/89	CARP	WHOLE FISH	U	3	21.2	1.9	2 3 7 8-TETRACHLORODIBENZOFURAN	6.22	M	NG/KG
605027	SHEBOYGAN RIVER KIWANIS PARK	8541	9/25/85	CARP	SKIN ON FILLET	U	1	25	3.85	FAT PERCENT NON-HEX EXT	13	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	FAT PERCENT NON-HEX EXT	13	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	FAT PERCENT NON-HEX EXT	4.1	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB 1248/1254	21	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB 1248/1254	15	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #005/008	390	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #005/008	200	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #006	18	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #006	5.9	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #007	2.5	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #007	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #016/032	320	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #016/032	210	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #017	300	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #017	230	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #018	130	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #018	73	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #019	15	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #019	12	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #022	100	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #022	69	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #024/027	53	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #024/027	34	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #026	260	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #026	190	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #028/031	1000	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #028/031	880	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #033	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #033	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #037/042	410	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #037/042	380	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #040	89	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #040	89	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #041/064/071	1100	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #041/064/071	950	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #044	670	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #044	680	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #045	77	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #045	62	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #046	15	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #046	12	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #047/048	1500	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #047/048	1400	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #049	950	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #049	880	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #052	970	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #052	940	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #058/060	440	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #058/060	440	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #068/095	390	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #068/095	2200	M	NG/G





WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #182/187	110	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #182/187	92	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #183	38	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #183	30	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #185	5.9	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #185	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #194	20	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #194	13	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #195/208	16	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #195/208	14	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #196/203	26	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #196/203	23	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #199	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #199	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #201	22	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #201	20	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8821	6/27/88	CARP	SKIN ON FILLET	B	3	26.2	4.27	PCB CONG #206	6.2	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CARP	SKIN ON FILLET	B	2	19.3	1.62	PCB CONG #206	5.9	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8541	9/25/85	CARP	SKIN ON FILLET	U	1	25	3.85	PCB TOTAL	20	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	780B	3/31/78	CARP	WHOLE FISH	U	4	23.3	0	ALDRIN	4	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	ALDRIN	0.09	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.6	3.95	ALDRIN	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.6	1.8	ALDRIN	0.04	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	26	4.5	ALDRIN	0.03	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	780B	3/31/78	CARP	WHOLE FISH	U	4	23.3	0	ALPHA-CHLORDANE	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	ALPHA-CHLORDANE	0.16	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	16.4	1.43	ALPHA-CHLORDANE	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.6	3.95	ALPHA-CHLORDANE	0.05	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	26	4.5	ALPHA-CHLORDANE	0.15	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.6	1.8	ALPHA-CHLORDANE	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7703	9/9/77	CARP	WHOLE FISH	U	5	17.3	0	ARSENIC FISH AND TISSUE	2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	780B	3/31/78	CARP	WHOLE FISH	U	4	23.3	0	ARSENIC FISH AND TISSUE	2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	ARSENIC FISH AND TISSUE	2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	16.4	1.43	ARSENIC FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.6	3.95	ARSENIC FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.6	1.8	ARSENIC FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	26	4.5	ARSENIC FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	BHC ALPHA	0.03	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	16.4	1.43	BHC ALPHA	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.6	3.95	BHC ALPHA	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.6	1.8	BHC ALPHA	0.03	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	26	4.5	BHC ALPHA	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	780B	3/31/78	CARP	WHOLE FISH	U	4	23.3	0	BHC GAMMA (LINDANE)	0.04	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	BHC GAMMA (LINDANE)	0.1	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.6	3.95	BHC GAMMA (LINDANE)	0.31	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.6	1.8	BHC GAMMA (LINDANE)	0.06	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	26	4.5	BHC GAMMA (LINDANE)	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7703	9/9/77	CARP	WHOLE FISH	U	5	17.3	0	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	780B	3/31/78	CARP	WHOLE FISH	U	4	23.3	0	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	16.4	1.43	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.6	3.95	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.6	1.8	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	26	4.5	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	780B	3/31/78	CARP	WHOLE FISH	U	4	23.3	0	CHLORDANE GAMMA	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	CHLORDANE GAMMA	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	16.4	1.43	CHLORDANE GAMMA	0.05	4	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.8	3.95	CHLORDANE GAMMA	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	28	4.5	CHLORDANE GAMMA	0.18	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.8	1.8	CHLORDANE GAMMA	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7703	9/9/77	CARP	WHOLE FISH	U	5	17.3	0	CHROMIUM FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	780B	3/31/78	CARP	WHOLE FISH	U	4	23.3	0	CHROMIUM FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	CHROMIUM FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.8	3.95	CHROMIUM FISH AND TISSUE	0.6	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	18.4	1.43	CHROMIUM FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.8	1.8	CHROMIUM FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	28	4.5	CHROMIUM FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	CIS-NONACHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	18.4	1.43	CIS-NONACHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.8	3.95	CIS-NONACHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.8	1.8	CIS-NONACHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	28	4.5	CIS-NONACHLOR	0.05	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7703	9/9/77	CARP	WHOLE FISH	U	5	17.3	0	COPPER FISH AND TISSUE	1.1	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	780B	3/31/78	CARP	WHOLE FISH	U	4	23.3	0	COPPER FISH AND TISSUE	1.4	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	COPPER FISH AND TISSUE	1.8	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.8	3.95	COPPER FISH AND TISSUE	3	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	18.4	1.43	COPPER FISH AND TISSUE	1.7	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	28	4.5	COPPER FISH AND TISSUE	1.8	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.8	1.8	COPPER FISH AND TISSUE	1.4	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	DDD O P	0.2	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	18.4	1.43	DDD O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.8	3.95	DDD O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	28	4.5	DDD O P	0.08	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.8	1.8	DDD O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	DDD P P	1	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.8	3.95	DDD P P	0.18	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	18.4	1.43	DDD P P	0.05	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	28	4.5	DDD P P	0.85	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.8	1.8	DDD P P	0.1	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	DDE O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	18.4	1.43	DDE O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.8	3.95	DDE O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.8	1.8	DDE O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	28	4.5	DDE O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	780B	3/31/78	CARP	WHOLE FISH	U	4	23.3	0	DDE P P	4	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	DDE P P	0.83	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.8	3.95	DDE P P	1.1	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	18.4	1.43	DDE P P	0.92	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	28	4.5	DDE P P	3.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.8	1.8	DDE P P	1.65	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	DDT O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	18.4	1.43	DDT O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.8	3.95	DDT O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.8	1.8	DDT O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	28	4.5	DDT O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	DDT P P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	18.4	1.43	DDT P P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.8	3.95	DDT P P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.8	1.8	DDT P P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	28	4.5	DDT P P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7703	9/9/77	CARP	WHOLE FISH	U	5	17.3	0	DIELDRIN	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	780B	3/31/78	CARP	WHOLE FISH	U	4	23.3	0	DIELDRIN	0.04	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	DIELDRIN	0.14	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.8	3.95	DIELDRIN	0.03	M	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storat Parameter Description	Result Amount	Qual. Code	Units
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	16.4	1.43	DIELDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	26	4.5	DIELDRIN	0.03	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.6	1.6	DIELDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7703	9/9/77	CARP	WHOLE FISH	U	5	17.3	0	ENDRIN	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	780B	3/31/78	CARP	WHOLE FISH	U	4	23.3	0	ENDRIN	0.04	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	ENDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.6	3.95	ENDRIN	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	16.4	1.43	ENDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.6	1.6	ENDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	26	4.5	ENDRIN	0.02	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7703	9/9/77	CARP	WHOLE FISH	U	5	17.3	0	FAT PERCENT NON-HEX EXT	24.2	M	%
605024	SHEBOYGAN RIVER MOUTH	780B	3/31/78	CARP	WHOLE FISH	U	4	23.3	0	FAT PERCENT NON-HEX EXT	8.7	M	%
605024	SHEBOYGAN RIVER MOUTH	7806	3/31/78	CARP	WHOLE FISH	U	3	13.6	0	FAT PERCENT NON-HEX EXT	5.4	M	%
605024	SHEBOYGAN RIVER MOUTH	780E	4/27/78	CARP	SKIN ON FILLET	U	1	22	0	FAT PERCENT NON-HEX EXT	15.4	M	%
605024	SHEBOYGAN RIVER MOUTH	780F	4/27/78	CARP	WHOLE FISH	U	2	20.5	0	FAT PERCENT NON-HEX EXT	13.5	M	%
605024	SHEBOYGAN RIVER MOUTH	780D	4/27/78	CARP	SKIN ON FILLET	U	1	23	0	FAT PERCENT NON-HEX EXT	10.7	M	%
605024	SHEBOYGAN RIVER MOUTH	780C	4/27/78	CARP	SKIN ON FILLET	U	1	27	0	FAT PERCENT NON-HEX EXT	9.5	M	%
605024	SHEBOYGAN RIVER MOUTH	7810	4/27/78	CARP	WHOLE FISH	U	3	11.3	0	FAT PERCENT NON-HEX EXT	2.8	M	%
605024	SHEBOYGAN RIVER MOUTH	7817	4/28/78	CARP	SKIN ON FILLET	U	1	24.5	0	FAT PERCENT NON-HEX EXT	16.3	M	%
605024	SHEBOYGAN RIVER MOUTH	7818	4/28/78	CARP	SKIN ON FILLET	U	1	25	0	FAT PERCENT NON-HEX EXT	11.2	M	%
605024	SHEBOYGAN RIVER MOUTH	7816	4/28/78	CARP	SKIN ON FILLET	U	1	23.5	0	FAT PERCENT NON-HEX EXT	9.5	M	%
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	FAT PERCENT NON-HEX EXT	2.8	M	%
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.6	3.95	FAT PERCENT NON-HEX EXT	7.1	M	%
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	16.4	1.43	FAT PERCENT NON-HEX EXT	7	M	%
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.6	1.6	FAT PERCENT NON-HEX EXT	5.2	M	%
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	26	4.5	FAT PERCENT NON-HEX EXT	1	M	%
605024	SHEBOYGAN RIVER MOUTH	8208	9/22/82	CARP	SKIN ON FILLET	U	2	21.2	2.2	FAT PERCENT NON-HEX EXT	8	M	%
605024	SHEBOYGAN RIVER MOUTH	8207	9/22/82	CARP	SKIN ON FILLET	U	3	18.2	1.5	FAT PERCENT NON-HEX EXT	5.3	M	%
605024	SHEBOYGAN RIVER MOUTH	780B	3/31/78	CARP	WHOLE FISH	U	4	23.3	0	HEXACHLORO BENZENE	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	HEXACHLORO BENZENE	0.03	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	16.4	1.43	HEXACHLORO BENZENE	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.6	3.95	HEXACHLORO BENZENE	0.01	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.6	1.6	HEXACHLORO BENZENE	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	26	4.5	HEXACHLORO BENZENE	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7703	9/9/77	CARP	WHOLE FISH	U	5	17.3	0	LEAD FISH AND TISSUE	5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	780B	3/31/78	CARP	WHOLE FISH	U	4	23.3	0	LEAD FISH AND TISSUE	5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	LEAD FISH AND TISSUE	5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	16.4	1.43	LEAD FISH AND TISSUE	5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.6	3.95	LEAD FISH AND TISSUE	5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.6	1.6	LEAD FISH AND TISSUE	5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	26	4.5	LEAD FISH AND TISSUE	5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7703	9/9/77	CARP	WHOLE FISH	U	5	17.3	0	MERCURY FISH AND TISSUE	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	780B	3/31/78	CARP	WHOLE FISH	U	4	23.3	0	MERCURY FISH AND TISSUE	0.09	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	MERCURY FISH AND TISSUE	0.04	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	16.4	1.43	MERCURY FISH AND TISSUE	0.1	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.6	3.95	MERCURY FISH AND TISSUE	0.09	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	26	4.5	MERCURY FISH AND TISSUE	0.13	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.6	1.6	MERCURY FISH AND TISSUE	0.08	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7703	9/9/77	CARP	WHOLE FISH	U	5	17.3	0	METHOXYCHLOR	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	780B	3/31/78	CARP	WHOLE FISH	U	4	23.3	0	METHOXYCHLOR	0.8	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	METHOXYCHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	16.4	1.43	METHOXYCHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.6	3.95	METHOXYCHLOR	0.05	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.6	1.6	METHOXYCHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	26	4.5	METHOXYCHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	NONACHLOR TRANS FISH	0.09	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.6	3.95	NONACHLOR TRANS FISH	0.06	M	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. in Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	16.4	1.43	NONACHLOR TRANS FISH	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	26	4.5	NONACHLOR TRANS FISH	0.08	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.6	1.8	NONACHLOR TRANS FISH	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7703	9/9/77	CARP	WHOLE FISH	U	5	17.3	0	PCB TOTAL	750	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7806	3/31/78	CARP	WHOLE FISH	U	3	13.6	0	PCB TOTAL	180	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	780B	3/31/78	CARP	WHOLE FISH	U	4	23.3	0	PCB TOTAL	130	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	780F	4/27/78	CARP	WHOLE FISH	U	2	20.5	0	PCB TOTAL	220	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7810	4/27/78	CARP	WHOLE FISH	U	3	11.3	0	PCB TOTAL	49	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	780D	4/27/78	CARP	SKIN ON FILLET	U	1	23	.0	PCB TOTAL	17	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	780E	4/27/78	CARP	SKIN ON FILLET	U	1	22	0	PCB TOTAL	16.5	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	780C	4/27/78	CARP	SKIN ON FILLET	U	1	27	0	PCB TOTAL	15	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7817	4/28/78	CARP	SKIN ON FILLET	U	1	24.5	0	PCB TOTAL	970	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7816	4/28/78	CARP	SKIN ON FILLET	U	1	23.5	0	PCB TOTAL	333	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7818	4/28/78	CARP	SKIN ON FILLET	U	1	25	0	PCB TOTAL	2	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	PCB TOTAL	80	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	16.4	1.43	PCB TOTAL	94	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.6	3.95	PCB TOTAL	35	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8203	7/22/82	CARP	WHOLE FISH	U	3	21.6	1.8	PCB TOTAL	204	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8204	7/22/82	CARP	WHOLE FISH	U	2	26	4.5	PCB TOTAL	113	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8208	9/22/82	CARP	SKIN ON FILLET	U	2	21.2	2.2	PCB TOTAL	71	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8207	9/22/82	CARP	SKIN ON FILLET	U	3	18.2	1.5	PCB TOTAL	27	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	780B	3/31/78	CARP	WHOLE FISH	U	4	23.3	0	PENTACHLOROPHENOL	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7914	10/4/79	CARP	WHOLE FISH	U	1	31	7.7	PENTACHLOROPHENOL	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8002	9/25/80	CARP	WHOLE FISH	U	3	16.4	1.43	PENTACHLOROPHENOL	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8003	9/25/80	CARP	WHOLE FISH	U	1	25.6	3.95	PENTACHLOROPHENOL	0.02	4	UG/G
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	780C	4/28/78	CARP	WHOLE FISH	U	8	13.1	0	FAT PERCENT NON-HEX EXT	7.1	M	%
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	780B	4/28/78	CARP	WHOLE FISH	U	5	16.3	0	FAT PERCENT NON-HEX EXT	4.9	M	%
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	780D	4/28/78	CARP	WHOLE FISH	U	8	13.1	0	FAT PERCENT NON-HEX EXT	3.7	M	%
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	780A	4/28/78	CARP	WHOLE FISH	U	5	16.8	0	FAT PERCENT NON-HEX EXT	3.4	M	%
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	7809	4/28/78	CARP	SKIN ON FILLET	U	4	17.1	0	FAT PERCENT NON-HEX EXT	1.6	M	%
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	7808	4/28/78	CARP	SKIN ON FILLET	U	1	23.5	0	FAT PERCENT NON-HEX EXT	1	M	%
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	7807	4/28/78	CARP	SKIN ON FILLET	U	1	25.5	0	FAT PERCENT NON-HEX EXT	0.5	M	%
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	7808	4/28/78	CARP	SKIN ON FILLET	U	1	23.5	0	PCB TOTAL	4	M	UG/G
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	780B	4/28/78	CARP	WHOLE FISH	U	5	16.3	0	PCB TOTAL	4	M	UG/G
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	780C	4/28/78	CARP	WHOLE FISH	U	8	13.1	0	PCB TOTAL	4	M	UG/G
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	780A	4/28/78	CARP	WHOLE FISH	U	5	16.8	0	PCB TOTAL	3	M	UG/G
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	780D	4/28/78	CARP	WHOLE FISH	U	8	13.1	0	PCB TOTAL	2	M	UG/G
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	7807	4/28/78	CARP	SKIN ON FILLET	U	1	25.5	0	PCB TOTAL	1	M	UG/G
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	7809	4/28/78	CARP	SKIN ON FILLET	U	4	17.1	0	PCB TOTAL	1	M	UG/G
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8812	6/28/88	CARP	SKIN ON FILLET	F	1	22.7	2.57	FAT PERCENT NON-HEX EXT	6.9	M	%
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8813	6/28/88	CARP	SKIN ON FILLET	M	1	22.9	2.4	FAT PERCENT NON-HEX EXT	5.9	M	%
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8811	6/28/88	CARP	SKIN ON FILLET	M	1	22.4	2.7	FAT PERCENT NON-HEX EXT	5.5	M	%
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8811	6/28/88	CARP	SKIN ON FILLET	M	1	22.4	2.7	PCB TOTAL	71	M	UG/G
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8812	6/28/88	CARP	SKIN ON FILLET	F	1	22.7	2.57	PCB TOTAL	34	M	UG/G
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8813	6/28/88	CARP	SKIN ON FILLET	M	1	22.9	2.4	PCB TOTAL	32	M	UG/G
605026	SHEBOYGAN RIVER 8TH STREET	8401	8/11/84	CHANNEL CATFISH	SKIN OFF FILLET	U	1	23.03	2.4	FAT PERCENT NON-HEX EXT	6.9	M	%
605026	SHEBOYGAN RIVER 8TH STREET	8401	8/11/84	CHANNEL CATFISH	SKIN OFF FILLET	U	1	23.03	2.4	PCB TOTAL	37	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9412	4/18/94	CHANNEL CATFISH	SKIN OFF FILLET	M	1	16.3	0.84	FAT PERCENT NON-HEX EXT	5.5	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9414	4/24/94	CHANNEL CATFISH	SKIN OFF FILLET	M	1	19.1	1.09	FAT PERCENT NON-HEX EXT	6.4	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9413	4/25/94	CHANNEL CATFISH	SKIN OFF FILLET	M	1	18.3	0.98	FAT PERCENT NON-HEX EXT	9.7	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9419	4/25/94	CHANNEL CATFISH	SKIN OFF FILLET	F	1	24.3	2.28	FAT PERCENT NON-HEX EXT	6	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9416	4/25/94	CHANNEL CATFISH	SKIN OFF FILLET	F	1	23	1.97	FAT PERCENT NON-HEX EXT	4.3	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9417	4/25/94	CHANNEL CATFISH	SKIN OFF FILLET	M	1	23.1	1.98	FAT PERCENT NON-HEX EXT	3.8	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9415	4/25/94	CHANNEL CATFISH	SKIN OFF FILLET	F	1	19.8	1.26	FAT PERCENT NON-HEX EXT	2.8	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9421	4/26/94	CHANNEL CATFISH	SKIN OFF FILLET	F	1	22.5	1.79	FAT PERCENT NON-HEX EXT	3.1	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9418	6/21/94	CHANNEL CATFISH	SKIN OFF FILLET	F	1	23.9	2.24	FAT PERCENT NON-HEX EXT	5.7	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9492	8/22/94	CHANNEL CATFISH	SKIN OFF FILLET	U	1	22.5	2.41	FAT PERCENT NON-HEX EXT	8.2	1	%

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. in Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9412	4/18/94	CHANNEL CATFISH	SKIN OFF FILLET	M	1	16.3	0.64	PCB 1248/1254	13	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9414	4/24/94	CHANNEL CATFISH	SKIN OFF FILLET	M	1	19.1	1.09	PCB 1248/1254	9.6	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9417	4/25/94	CHANNEL CATFISH	SKIN OFF FILLET	M	1	23.1	1.86	PCB 1248/1254	15	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9419	4/25/94	CHANNEL CATFISH	SKIN OFF FILLET	F	1	24.3	2.28	PCB 1248/1254	13	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9415	4/25/94	CHANNEL CATFISH	SKIN OFF FILLET	F	1	19.8	1.26	PCB 1248/1254	8.1	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9416	4/25/94	CHANNEL CATFISH	SKIN OFF FILLET	F	1	23	1.97	PCB 1248/1254	7.5	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9413	4/25/94	CHANNEL CATFISH	SKIN OFF FILLET	M	1	18.3	0.98	PCB 1248/1254	3.7	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9421	4/26/94	CHANNEL CATFISH	SKIN OFF FILLET	F	1	22.5	1.79	PCB 1248/1254	24	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9418	6/21/94	CHANNEL CATFISH	SKIN OFF FILLET	F	1	23.9	2.24	PCB 1248/1254	3.1	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9492	8/22/94	CHANNEL CATFISH	SKIN OFF FILLET	U	1	22.5	2.41	PCB 1248/1254	8.4	1	UG/G
605025	SHEBOYGAN RIVER HARBOR	9011	9/27/90	CHANNEL CATFISH	SKIN OFF FILLET	F	1	24.5	2.79	FAT PERCENT NON-HEX EXT	7	1	%
605025	SHEBOYGAN RIVER HARBOR	9011	9/27/90	CHANNEL CATFISH	SKIN OFF FILLET	F	1	24.5	2.79	PCB 1248/1254	17	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	10/23/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	14.25	0.5	FAT PERCENT NON-HEX EXT	7.6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	FAT PERCENT NON-HEX EXT	6.5	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	FAT PERCENT NON-HEX EXT	5.1	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	FAT PERCENT NON-HEX EXT	3.4	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB 1248/1254	32	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB 1248/1254	26	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB 1248/1254	13	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #005/008	96	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #005/008	74	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #005/008	64	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #006	6.9	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #006	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #006	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #007	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #007	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #007	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #018/032	180	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #016/032	110	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #016/032	81	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #017	170	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #017	110	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #017	91	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #018	58	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #018	42	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #018	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #019	43	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #019	29	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #019	23	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #022	49	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #022	37	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #022	31	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #024/027	66	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #024/027	50	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #024/027	35	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #026	42	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #026	37	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #026	31	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #028/031	880	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #028/031	630	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #028/031	460	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #033	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #033	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #033	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #037/042	410	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #037/042	280	M	NG/G







WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #180	100	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #182/187	130	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #182/187	79	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #182/187	60	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #183	63	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #183	39	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #183	30	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #185	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #185	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #185	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #194	28	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #194	15	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #194	13	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #195/208	25	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #195/208	24	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #195/208	16	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #196/203	46	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #196/203	29	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #196/203	25	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #199	0	2	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #199	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #199	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #201	39	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #201	26	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #201	23	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8817	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	20.3	1.34	PCB CONG #206	9	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8816	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	U	1	18.3	0.97	PCB CONG #206	8	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8815	6/27/88	CHANNEL CATFISH	SKIN OFF FILLET	F	1	15.3	0.5	PCB CONG #206	5.8	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8818	10/23/86	CHANNEL CATFISH	SKIN OFF FILLET	U	1	14.25	0.5	PCB TOTAL	20	M	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8402	9/28/84	CHINOOK SALMON	SKIN ON FILLET	U	1	21.85	2.4	FAT PERCENT NON-HEX EXT	6.6	M	%
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8401	9/28/84	CHINOOK SALMON	SKIN ON FILLET	U	1	31.5	5.8	FAT PERCENT NON-HEX EXT	3.8	M	%
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8401	9/28/84	CHINOOK SALMON	SKIN ON FILLET	U	1	31.5	5.8	PCB TOTAL	4.5	M	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8402	9/28/84	CHINOOK SALMON	SKIN ON FILLET	U	1	21.85	2.4	PCB TOTAL	2	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	ALDRIN	0.02	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	ALPHA-CHLORDANE	0.15	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	ARSENIC FISH AND TISSUE	2	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	BHC ALPHA	0.01	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	BHC GAMMA (LINDANE)	0.03	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	CHLORDANE GAMMA	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	CHROMIUM FISH AND TISSUE	0.5	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	CIS-NONACHLOR	0.08	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	COPPER FISH AND TISSUE	4.1	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	DDD O P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	DDD P P	0.16	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	DDE O P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	DDE P P	2.4	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	DDT O P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	DDT P P	0.22	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	DIELDRIN	0.02	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	ENDRIN	0.02	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7819	9/27/78	CHINOOK SALMON	SKIN ON FILLET	U	3	36.5	0	FAT PERCENT NON-HEX EXT	4.4	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7818	9/27/78	CHINOOK SALMON	SKIN ON FILLET	U	1	33.5	0	FAT PERCENT NON-HEX EXT	4.2	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7817	9/27/78	CHINOOK SALMON	SKIN ON FILLET	U	2	30	0	FAT PERCENT NON-HEX EXT	3	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	781A	9/27/78	CHINOOK SALMON	SKIN ON FILLET	U	1	34.8	0	FAT PERCENT NON-HEX EXT	2.4	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	781F	10/11/78	CHINOOK SALMON	SKIN ON FILLET	U	1	18.5	0	FAT PERCENT NON-HEX EXT	3.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	781C	10/11/78	CHINOOK SALMON	SKIN ON FILLET	U	2	37.5	0	FAT PERCENT NON-HEX EXT	3	M	%

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. in Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result	Qual.	Units
											Amount	Code	
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	781D	10/11/78	CHINOOK SALMON	SKIN ON FILLET	U	1	27.5	0	FAT PERCENT NON-HEX EXT	3	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	781B	10/11/78	CHINOOK SALMON	SKIN ON FILLET	U	3	34.2	0	FAT PERCENT NON-HEX EXT	2.2	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	782E	10/31/78	CHINOOK SALMON	SKIN ON FILLET	U	1	29	0	FAT PERCENT NON-HEX EXT	2.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7830	10/31/78	CHINOOK SALMON	SKIN ON FILLET	U	1	36	0	FAT PERCENT NON-HEX EXT	1.7	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	782F	10/31/78	CHINOOK SALMON	SKIN ON FILLET	U	3	33	0	FAT PERCENT NON-HEX EXT	1.3	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7831	12/7/78	CHINOOK SALMON	SKIN ON FILLET	U	1	34	0	FAT PERCENT NON-HEX EXT	1.1	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7902	1/8/79	CHINOOK SALMON	SKIN ON FILLET	U	1	29	0	FAT PERCENT NON-HEX EXT	2.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	FAT PERCENT NON-HEX EXT	7.2	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7912	9/5/79	CHINOOK SALMON	EGGS	U	0	35.9	7.8	FAT PERCENT NON-HEX EXT	9.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790B	9/5/79	CHINOOK SALMON	EGGS	U	0	35.6	7.8	FAT PERCENT NON-HEX EXT	8.9	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7910	9/5/79	CHINOOK SALMON	EGGS	U	0	33.1	7	FAT PERCENT NON-HEX EXT	6.4	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790E	9/5/79	CHINOOK SALMON	EGGS	U	0	31.3	4.8	FAT PERCENT NON-HEX EXT	5.9	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790D	9/5/79	CHINOOK SALMON	SKIN ON FILLET	U	1	36.2	7.8	FAT PERCENT NON-HEX EXT	4.2	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7911	9/5/79	CHINOOK SALMON	SKIN ON FILLET	U	1	33.1	7	FAT PERCENT NON-HEX EXT	3.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790C	9/5/79	CHINOOK SALMON	SKIN ON FILLET	U	1	35.6	7.8	FAT PERCENT NON-HEX EXT	2.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790F	9/5/79	CHINOOK SALMON	SKIN ON FILLET	U	1	31.3	4.8	FAT PERCENT NON-HEX EXT	2.3	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7913	9/5/79	CHINOOK SALMON	SKIN ON FILLET	U	1	35.9	7.8	FAT PERCENT NON-HEX EXT	1.9	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7914	10/9/79	CHINOOK SALMON	SKIN ON FILLET	U	1	32.7	6.7	FAT PERCENT NON-HEX EXT	2.6	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8019	9/30/80	CHINOOK SALMON	SKIN ON FILLET	U	1	35.5	8.6	FAT PERCENT NON-HEX EXT	8.2	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	801D	9/30/80	CHINOOK SALMON	SKIN ON FILLET	U	1	29.1	4.8	FAT PERCENT NON-HEX EXT	5.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	801C	9/30/80	CHINOOK SALMON	SKIN ON FILLET	U	1	32.9	6.7	FAT PERCENT NON-HEX EXT	5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	801B	9/30/80	CHINOOK SALMON	SKIN ON FILLET	U	1	36	8.4	FAT PERCENT NON-HEX EXT	4.9	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	801F	9/30/80	CHINOOK SALMON	SKIN ON FILLET	U	1	20.7	1.7	FAT PERCENT NON-HEX EXT	4.9	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	801A	9/30/80	CHINOOK SALMON	SKIN ON FILLET	U	1	38.25	9.2	FAT PERCENT NON-HEX EXT	4.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	801E	9/30/80	CHINOOK SALMON	SKIN ON FILLET	U	1	27.2	3.3	FAT PERCENT NON-HEX EXT	4.1	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8018	9/30/80	CHINOOK SALMON	SKIN ON FILLET	U	1	36.25	7.7	FAT PERCENT NON-HEX EXT	1.4	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8107	8/9/81	CHINOOK SALMON	SKIN ON FILLET	U	1	28.9	4.5	FAT PERCENT NON-HEX EXT	11	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8106	8/9/81	CHINOOK SALMON	SKIN ON FILLET	U	1	30.7	5.2	FAT PERCENT NON-HEX EXT	7.3	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	810B	8/9/81	CHINOOK SALMON	SKIN ON FILLET	U	1	17.3	1.2	FAT PERCENT NON-HEX EXT	5.2	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8109	8/9/81	CHINOOK SALMON	SKIN ON FILLET	U	1	25.9	2.9	FAT PERCENT NON-HEX EXT	4.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	810C	8/9/81	CHINOOK SALMON	SKIN ON FILLET	U	1	28.7	3.1	FAT PERCENT NON-HEX EXT	4	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8108	8/9/81	CHINOOK SALMON	SKIN ON FILLET	U	1	26.7	2.6	FAT PERCENT NON-HEX EXT	3.1	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	810A	8/9/81	CHINOOK SALMON	SKIN ON FILLET	U	1	14.5	0.75	FAT PERCENT NON-HEX EXT	3	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	HEXACHLOROBENZENE	0.01	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	LEAD FISH AND TISSUE	5	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	MERCURY FISH AND TISSUE	0.32	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	METHOXYCHLOR	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	NONACHLOR TRANS FISH	0.29	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7819	9/27/78	CHINOOK SALMON	SKIN ON FILLET	U	3	36.5	0	PCB TOTAL	13	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7818	9/27/78	CHINOOK SALMON	SKIN ON FILLET	U	1	33.5	0	PCB TOTAL	12	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	781A	9/27/78	CHINOOK SALMON	SKIN ON FILLET	U	1	34.8	0	PCB TOTAL	11	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7817	9/27/78	CHINOOK SALMON	SKIN ON FILLET	U	2	30	0	PCB TOTAL	6.9	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	781C	10/11/78	CHINOOK SALMON	SKIN ON FILLET	U	2	37.5	0	PCB TOTAL	13.5	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	781B	10/11/78	CHINOOK SALMON	SKIN ON FILLET	U	3	34.2	0	PCB TOTAL	12.5	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	781D	10/11/78	CHINOOK SALMON	SKIN ON FILLET	U	1	27.5	0	PCB TOTAL	12	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	781F	10/11/78	CHINOOK SALMON	SKIN ON FILLET	U	1	18.5	0	PCB TOTAL	6.7	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	782E	10/31/78	CHINOOK SALMON	SKIN ON FILLET	U	1	29	0	PCB TOTAL	7.5	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	782F	10/31/78	CHINOOK SALMON	SKIN ON FILLET	U	3	33	0	PCB TOTAL	7.4	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7830	10/31/78	CHINOOK SALMON	SKIN ON FILLET	U	1	36	0	PCB TOTAL	6.2	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7831	12/7/78	CHINOOK SALMON	SKIN ON FILLET	U	1	34	0	PCB TOTAL	13	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7902	1/8/79	CHINOOK SALMON	SKIN ON FILLET	U	1	29	0	PCB TOTAL	7.2	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	PCB TOTAL	10.5	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7912	9/5/79	CHINOOK SALMON	EGGS	U	0	35.9	7.8	PCB TOTAL	22	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790B	9/5/79	CHINOOK SALMON	EGGS	U	0	35.6	7.8	PCB TOTAL	11	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790D	9/5/79	CHINOOK SALMON	SKIN ON FILLET	U	1	36.2	7.8	PCB TOTAL	7.2	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7913	9/5/79	CHINOOK SALMON	SKIN ON FILLET	U	1	35.9	7.8	PCB TOTAL	7	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790C	9/5/79	CHINOOK SALMON	SKIN ON FILLET	U	1	35.6	7.8	PCB TOTAL	6.9	M	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790E	9/5/79	CHINOOK SALMON	EGGS	U	0	31.3	4.8	PCB TOTAL	6.7	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7911	9/5/79	CHINOOK SALMON	SKIN ON FILLET	U	1	33.1	7	PCB TOTAL	6.4	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7910	9/5/79	CHINOOK SALMON	EGGS	U	0	33.1	7	PCB TOTAL	6.3	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790F	9/5/79	CHINOOK SALMON	SKIN ON FILLET	U	1	31.3	4.8	PCB TOTAL	5.5	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7914	10/9/79	CHINOOK SALMON	SKIN ON FILLET	U	1	32.7	6.7	PCB TOTAL	4	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	801A	9/30/80	CHINOOK SALMON	SKIN ON FILLET	U	1	38.25	9.2	PCB TOTAL	7.5	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8019	9/30/80	CHINOOK SALMON	SKIN ON FILLET	U	1	35.5	8.8	PCB TOTAL	7.2	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	801C	9/30/80	CHINOOK SALMON	SKIN ON FILLET	U	1	32.9	6.7	PCB TOTAL	5.7	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	801B	9/30/80	CHINOOK SALMON	SKIN ON FILLET	U	1	38	8.4	PCB TOTAL	4.7	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	801D	9/30/80	CHINOOK SALMON	SKIN ON FILLET	U	1	29.1	4.8	PCB TOTAL	3.9	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	801F	9/30/80	CHINOOK SALMON	SKIN ON FILLET	U	1	20.7	1.7	PCB TOTAL	3.1	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	801E	9/30/80	CHINOOK SALMON	SKIN ON FILLET	U	1	27.2	3.3	PCB TOTAL	2.8	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8018	9/30/80	CHINOOK SALMON	SKIN ON FILLET	U	1	36.25	7.7	PCB TOTAL	2.3	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8107	8/9/81	CHINOOK SALMON	SKIN ON FILLET	U	1	28.9	4.5	PCB TOTAL	4.2	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8106	8/9/81	CHINOOK SALMON	SKIN ON FILLET	U	1	30.7	5.2	PCB TOTAL	3.6	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8108	8/9/81	CHINOOK SALMON	SKIN ON FILLET	U	1	26.7	2.8	PCB TOTAL	1.6	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	810C	8/9/81	CHINOOK SALMON	SKIN ON FILLET	U	1	28.7	3.1	PCB TOTAL	1.6	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8109	8/9/81	CHINOOK SALMON	SKIN ON FILLET	U	1	25.9	2.9	PCB TOTAL	1.4	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	810B	8/9/81	CHINOOK SALMON	SKIN ON FILLET	U	1	17.3	1.2	PCB TOTAL	1.4	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	810A	8/9/81	CHINOOK SALMON	SKIN ON FILLET	U	1	14.5	0.75	PCB TOTAL	0.85	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7905	7/10/79	CHINOOK SALMON	WHOLE FISH	U	1	38	9.5	PENTACHLOROPHENOL	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8301	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	38	0	2 3 7 8-TETRACHLORODIBENZO-P-DIOXIN	5	4	NG/KG
605025	SHEBOYGAN RIVER HARBOR	8301	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	38	0	2 3 7 8-TETRACHLORODIBENZOFURAN	15	M	NG/KG
605042	SHEBOYGAN RIVER HIGHWAY TA	9482	5/9/94	CHINOOK SALMON	WHOLE FISH	U	50	4	0.02	FAT PERCENT NON-HEX EXT	6	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9482	5/9/94	CHINOOK SALMON	WHOLE FISH	U	50	4	0.02	PCB 1260	0.18	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840E	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	36.4	6.3	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840F	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	30.59	3.4	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8410	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	37.4	7.7	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8411	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	36.6	7.2	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8412	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	31.7	6.05	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8413	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	37.4	7.8	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8414	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	32.1	5.8	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8514	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	20.16	0	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8529	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	26.57	3.8	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8912	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	5	37.2	8.71	ALPHA-CHLORDANE	0.5	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8910	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	6	32.2	5.4	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8911	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	5	35	6.59	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8912	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	5	37.2	8.71	AROCLOR 1248/1254/1260	1.6	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8911	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	5	35	6.59	AROCLOR 1248/1254/1260	1.09	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8910	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	6	32.2	5.4	AROCLOR 1248/1254/1260	0.73	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8910	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	6	32.2	5.4	BHC ALPHA	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8911	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	5	35	6.59	BHC ALPHA	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8912	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	5	37.2	8.71	BHC ALPHA	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8910	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	6	32.2	5.4	BHC GAMMA (LINDANE)	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8911	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	5	35	6.59	BHC GAMMA (LINDANE)	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8912	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	5	37.2	8.71	BHC GAMMA (LINDANE)	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840E	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	36.4	6.3	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840F	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	30.59	3.4	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8410	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	37.4	7.7	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8411	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	36.6	7.2	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8412	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	31.7	6.05	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8413	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	37.4	7.8	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8414	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	32.1	5.8	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8514	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	20.16	0	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8529	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	26.57	3.8	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8912	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	5	37.2	8.71	CHLORDANE GAMMA	0.5	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8910	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	6	32.2	5.4	CHLORDANE GAMMA	0.05	4	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605027	SHEBOYGAN RIVER KIWANIS PARK	8911	9/28/89	CHINOOK SALMON	SKIN ON FILLET	B	5	35	6.59	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840E	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	36.4	6.3	CIS-NONACHLOR	0.07	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8410	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	37.4	7.7	CIS-NONACHLOR	0.06	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840F	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	30.59	3.4	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8411	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	36.6	7.2	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8412	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	31.7	6.05	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8413	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	37.4	7.8	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8414	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	32.1	5.8	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8514	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	20.16	0	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8529	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	26.57	3.8	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8912	9/28/89	CHINOOK SALMON	SKIN ON FILLET	B	5	37.2	8.71	CIS-NONACHLOR	0.5	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8910	9/28/89	CHINOOK SALMON	SKIN ON FILLET	B	6	32.2	5.4	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8911	9/28/89	CHINOOK SALMON	SKIN ON FILLET	B	5	35	6.59	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8910	9/28/89	CHINOOK SALMON	SKIN ON FILLET	B	6	32.2	5.4	DDD P P	0.07	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8911	9/28/89	CHINOOK SALMON	SKIN ON FILLET	B	5	35	6.59	DDD P P	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8912	9/28/89	CHINOOK SALMON	SKIN ON FILLET	B	5	37.2	8.71	DDD P P	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8912	9/28/89	CHINOOK SALMON	SKIN ON FILLET	B	5	37.2	8.71	DDE P P	0.24	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8911	9/28/89	CHINOOK SALMON	SKIN ON FILLET	B	5	35	6.59	DDE P P	0.19	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8910	9/28/89	CHINOOK SALMON	SKIN ON FILLET	B	6	32.2	5.4	DDE P P	0.15	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8910	9/28/89	CHINOOK SALMON	SKIN ON FILLET	B	6	32.2	5.4	DDT P P	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8911	9/28/89	CHINOOK SALMON	SKIN ON FILLET	B	5	35	6.59	DDT P P	0.05	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8912	9/28/89	CHINOOK SALMON	SKIN ON FILLET	B	5	37.2	8.71	DDT P P	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8411	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	36.6	7.2	DIELDRIN	0.05	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8410	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	37.4	7.7	DIELDRIN	0.04	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8412	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	31.7	6.05	DIELDRIN	0.04	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8413	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	37.4	7.6	DIELDRIN	0.04	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8414	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	32.1	5.8	DIELDRIN	0.03	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840E	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	36.4	6.3	DIELDRIN	0.02	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840F	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	30.59	3.4	DIELDRIN	0.02	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8514	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	20.16	0	DIELDRIN	0.02	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8529	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	26.57	3.8	DIELDRIN	0.02	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8910	9/28/89	CHINOOK SALMON	SKIN ON FILLET	B	6	32.2	5.4	DIELDRIN	0.04	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8912	9/28/89	CHINOOK SALMON	SKIN ON FILLET	B	5	37.2	8.71	DIELDRIN	0.03	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8911	9/28/89	CHINOOK SALMON	SKIN ON FILLET	B	5	35	6.59	DIELDRIN	0.02	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8910	9/28/89	CHINOOK SALMON	SKIN ON FILLET	B	6	32.2	5.4	ENDRIN	0.2	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8912	9/28/89	CHINOOK SALMON	SKIN ON FILLET	B	5	37.2	8.71	ENDRIN	0.02	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8203	10/27/82	CHINOOK SALMON	SKIN ON FILLET	U	1	36.4	7.8	FAT PERCENT NON-HEX EXT	5.2	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8204	10/27/82	CHINOOK SALMON	SKIN ON FILLET	U	1	36.3	7.5	FAT PERCENT NON-HEX EXT	3.2	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8201	10/27/82	CHINOOK SALMON	SKIN ON FILLET	U	1	38.7	9.1	FAT PERCENT NON-HEX EXT	2.6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8202	10/27/82	CHINOOK SALMON	SKIN ON FILLET	U	1	37.1	7.1	FAT PERCENT NON-HEX EXT	1.9	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8206	10/27/82	CHINOOK SALMON	SKIN ON FILLET	U	1	36	6.8	FAT PERCENT NON-HEX EXT	1.9	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8205	10/27/82	CHINOOK SALMON	SKIN ON FILLET	U	1	36.2	6.5	FAT PERCENT NON-HEX EXT	1.8	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8207	10/27/82	CHINOOK SALMON	SKIN ON FILLET	U	1	35	6.3	FAT PERCENT NON-HEX EXT	1.4	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8208	10/27/82	CHINOOK SALMON	SKIN ON FILLET	U	1	34	5.2	FAT PERCENT NON-HEX EXT	1.4	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8412	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	31.7	6.05	FAT PERCENT NON-HEX EXT	3.2	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8410	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	37.4	7.7	FAT PERCENT NON-HEX EXT	2.6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8411	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	36.6	7.2	FAT PERCENT NON-HEX EXT	1.9	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8414	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	32.1	5.8	FAT PERCENT NON-HEX EXT	1.8	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8418	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	25	2.5	FAT PERCENT NON-HEX EXT	1.7	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8413	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	37.4	7.6	FAT PERCENT NON-HEX EXT	1.6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	840E	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	36.4	6.3	FAT PERCENT NON-HEX EXT	1	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	840F	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	30.59	3.4	FAT PERCENT NON-HEX EXT	0.6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	852F	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	16.14	0.75	FAT PERCENT NON-HEX EXT	9.1	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	851B	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	24.28	2.75	FAT PERCENT NON-HEX EXT	8	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8514	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	20.16	0	FAT PERCENT NON-HEX EXT	6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8509	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	35.83	0	FAT PERCENT NON-HEX EXT	5.3	M	%

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Store Parameter Description	Result Amount	Qual. Code	Units
605027	SHEBOYGAN RIVER KIWANIS PARK	850F	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	22.75	2.5	FAT PERCENT NON-HEX EXT	5	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8503	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	32.2	6.85	FAT PERCENT NON-HEX EXT	4.7	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8510	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	26.5	3	FAT PERCENT NON-HEX EXT	3.9	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8529	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	28.57	3.8	FAT PERCENT NON-HEX EXT	3.3	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8505	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	32.48	0	FAT PERCENT NON-HEX EXT	3.1	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	850A	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	37.52	0	FAT PERCENT NON-HEX EXT	3	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8502	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	31.18	0	FAT PERCENT NON-HEX EXT	2.6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8507	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	33.66	0	FAT PERCENT NON-HEX EXT	2.6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8508	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	35.35	0	FAT PERCENT NON-HEX EXT	2.6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8501	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	27	0	FAT PERCENT NON-HEX EXT	2.5	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8506	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	33.35	0	FAT PERCENT NON-HEX EXT	2.4	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8504	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	32.36	0	FAT PERCENT NON-HEX EXT	2.3	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8513	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	29.75	3.95	FAT PERCENT NON-HEX EXT	2.3	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8512	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	28.25	3.7	FAT PERCENT NON-HEX EXT	1.8	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8511	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	27.9	3.5	FAT PERCENT NON-HEX EXT	1.3	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8910	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	6	32.2	5.4	FAT PERCENT NON-HEX EXT	2.6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8912	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	5	37.2	8.71	FAT PERCENT NON-HEX EXT	1.9	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8911	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	5	35	6.59	FAT PERCENT NON-HEX EXT	1.1	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8910	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	6	32.2	5.4	HEXACHLOROBENZENE	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8911	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	5	35	6.59	HEXACHLOROBENZENE	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8912	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	5	37.2	8.71	HEXACHLOROBENZENE	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8912	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	5	37.2	8.71	NONACHLOR TRANS	0.5	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8910	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	6	32.2	5.4	NONACHLOR TRANS	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8911	9/26/89	CHINOOK SALMON	SKIN ON FILLET	B	5	35	6.59	NONACHLOR TRANS	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840E	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	36.4	6.3	NONACHLOR TRANS FISH	0.15	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8410	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	37.4	7.7	NONACHLOR TRANS FISH	0.13	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8411	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	36.8	7.2	NONACHLOR TRANS FISH	0.12	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8413	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	37.4	7.8	NONACHLOR TRANS FISH	0.09	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8412	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	31.7	6.05	NONACHLOR TRANS FISH	0.08	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840F	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	30.59	3.4	NONACHLOR TRANS FISH	0.07	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8414	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	32.1	5.8	NONACHLOR TRANS FISH	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8514	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	20.16	0	NONACHLOR TRANS FISH	0.06	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8529	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	28.57	3.8	NONACHLOR TRANS FISH	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8201	10/27/82	CHINOOK SALMON	SKIN ON FILLET	U	1	38.7	9.1	PCB TOTAL	11	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8204	10/27/82	CHINOOK SALMON	SKIN ON FILLET	U	1	36.3	7.5	PCB TOTAL	7.4	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8203	10/27/82	CHINOOK SALMON	SKIN ON FILLET	U	1	36.4	7.8	PCB TOTAL	6.5	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8208	10/27/82	CHINOOK SALMON	SKIN ON FILLET	U	1	34	5.2	PCB TOTAL	6.2	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8207	10/27/82	CHINOOK SALMON	SKIN ON FILLET	U	1	35	6.3	PCB TOTAL	5.8	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8202	10/27/82	CHINOOK SALMON	SKIN ON FILLET	U	1	37.1	7.1	PCB TOTAL	5.1	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8205	10/27/82	CHINOOK SALMON	SKIN ON FILLET	U	1	36.2	6.5	PCB TOTAL	5	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8206	10/27/82	CHINOOK SALMON	SKIN ON FILLET	U	1	36	6.8	PCB TOTAL	4.2	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840E	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	36.4	6.3	PCB TOTAL	3.8	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8411	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	36.8	7.2	PCB TOTAL	3.6	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8418	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	25	2.5	PCB TOTAL	3.6	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8410	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	37.4	7.7	PCB TOTAL	3.5	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8413	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	37.4	7.6	PCB TOTAL	2.7	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8412	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	31.7	6.05	PCB TOTAL	2.1	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8414	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	32.1	5.6	PCB TOTAL	1.7	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840F	10/19/84	CHINOOK SALMON	SKIN ON FILLET	U	1	30.59	3.4	PCB TOTAL	1.5	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	850A	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	37.52	0	PCB TOTAL	4	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8508	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	35.35	0	PCB TOTAL	3.8	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	851B	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	24.28	2.75	PCB TOTAL	3.1	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8503	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	32.2	6.85	PCB TOTAL	2.8	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8507	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	33.66	0	PCB TOTAL	2.8	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	852F	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	16.14	0.75	PCB TOTAL	2.7	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	850F	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	22.75	2.5	PCB TOTAL	2.6	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8512	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	28.25	3.7	PCB TOTAL	2.6	M	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605027	SHEBOYGAN RIVER KIWANIS PARK	8504	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	32.36	0	PCB TOTAL	2.4	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8509	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	35.83	0	PCB TOTAL	2.4	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8505	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	32.48	0	PCB TOTAL	2.3	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8501	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	27	0	PCB TOTAL	2.1	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8506	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	33.35	0	PCB TOTAL	2.1	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8510	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	26.5	3	PCB TOTAL	2	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8502	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	31.18	0	PCB TOTAL	1.8	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8513	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	29.75	3.95	PCB TOTAL	1.4	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8514	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	20.16	0	PCB TOTAL	1.3	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8511	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	27.9	3.5	PCB TOTAL	1.2	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8529	9/25/85	CHINOOK SALMON	SKIN ON FILLET	U	1	26.57	3.8	PCB TOTAL	1.2	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8304	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	32.7	5.8	ALPHA-CHLORDANE	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8305	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	21.2	1.85	ALPHA-CHLORDANE	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8304	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	32.7	5.8	CHLORDANE GAMMA	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8305	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	21.2	1.85	CHLORDANE GAMMA	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8304	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	32.7	5.8	CIS-NONACHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8305	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	21.2	1.85	CIS-NONACHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8304	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	32.7	5.8	DIELDRIN	0.03	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8305	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	21.2	1.85	DIELDRIN	0.03	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7606	6/24/76	CHINOOK SALMON	SKIN ON FILLET	U	1	34.5	0	FAT PERCENT NON-HEX EXT	2.6	M	%
605024	SHEBOYGAN RIVER MOUTH	781D	9/12/78	CHINOOK SALMON	SKIN ON FILLET	U	3	34.6	0	FAT PERCENT NON-HEX EXT	8	M	%
605024	SHEBOYGAN RIVER MOUTH	781E	9/12/78	CHINOOK SALMON	SKIN ON FILLET	U	1	26	0	FAT PERCENT NON-HEX EXT	6.8	M	%
605024	SHEBOYGAN RIVER MOUTH	7906	10/4/79	CHINOOK SALMON	SKIN ON FILLET	U	3	32	6.4	FAT PERCENT NON-HEX EXT	4.2	M	%
605024	SHEBOYGAN RIVER MOUTH	7905	10/4/79	CHINOOK SALMON	SKIN ON FILLET	U	1	38	9.6	FAT PERCENT NON-HEX EXT	1.9	M	%
605024	SHEBOYGAN RIVER MOUTH	7907	10/4/79	CHINOOK SALMON	SKIN ON FILLET	U	1	28	3.4	FAT PERCENT NON-HEX EXT	1	M	%
605024	SHEBOYGAN RIVER MOUTH	8104	9/29/81	CHINOOK SALMON	SKIN ON FILLET	U	1	21	1.8	FAT PERCENT NON-HEX EXT	3.4	M	%
605024	SHEBOYGAN RIVER MOUTH	8105	9/29/81	CHINOOK SALMON	SKIN ON FILLET	U	1	35	6.8	FAT PERCENT NON-HEX EXT	3.4	M	%
605024	SHEBOYGAN RIVER MOUTH	8108	9/29/81	CHINOOK SALMON	SKIN ON FILLET	U	1	33	5.6	FAT PERCENT NON-HEX EXT	3.4	M	%
605024	SHEBOYGAN RIVER MOUTH	8106	9/29/81	CHINOOK SALMON	SKIN ON FILLET	U	1	42	12.1	FAT PERCENT NON-HEX EXT	3.2	M	%
605024	SHEBOYGAN RIVER MOUTH	8107	9/29/81	CHINOOK SALMON	SKIN ON FILLET	U	1	38	10.1	FAT PERCENT NON-HEX EXT	2.4	M	%
605024	SHEBOYGAN RIVER MOUTH	810C	11/11/81	CHINOOK SALMON	SKIN ON FILLET	U	1	36.3	8.5	FAT PERCENT NON-HEX EXT	0.5	M	%
605024	SHEBOYGAN RIVER MOUTH	820C	9/22/82	CHINOOK SALMON	SKIN ON FILLET	U	1	36	7	FAT PERCENT NON-HEX EXT	6.4	M	%
605024	SHEBOYGAN RIVER MOUTH	820D	9/22/82	CHINOOK SALMON	SKIN ON FILLET	U	1	30.1	5.1	FAT PERCENT NON-HEX EXT	5	M	%
605024	SHEBOYGAN RIVER MOUTH	820E	9/22/82	CHINOOK SALMON	SKIN ON FILLET	U	1	22.1	2.2	FAT PERCENT NON-HEX EXT	4.1	M	%
605024	SHEBOYGAN RIVER MOUTH	820B	9/22/82	CHINOOK SALMON	SKIN ON FILLET	U	1	39.2	12.7	FAT PERCENT NON-HEX EXT	2.4	M	%
605024	SHEBOYGAN RIVER MOUTH	830A	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	20.4	1.55	FAT PERCENT NON-HEX EXT	7.4	M	%
605024	SHEBOYGAN RIVER MOUTH	8306	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	17.2	1	FAT PERCENT NON-HEX EXT	4.3	M	%
605024	SHEBOYGAN RIVER MOUTH	8308	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	36	7.15	FAT PERCENT NON-HEX EXT	3.5	M	%
605024	SHEBOYGAN RIVER MOUTH	8304	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	32.7	5.8	FAT PERCENT NON-HEX EXT	2	M	%
605024	SHEBOYGAN RIVER MOUTH	8309	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	33.2	6.25	FAT PERCENT NON-HEX EXT	1.4	M	%
605024	SHEBOYGAN RIVER MOUTH	8305	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	21.2	1.85	FAT PERCENT NON-HEX EXT	1.2	M	%
605024	SHEBOYGAN RIVER MOUTH	8304	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	32.7	5.8	NONACHLOR TRANS FISH	0.08	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8305	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	21.2	1.85	NONACHLOR TRANS FISH	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7606	6/24/76	CHINOOK SALMON	SKIN ON FILLET	U	1	34.5	0	PCB TOTAL	11	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	781D	9/12/78	CHINOOK SALMON	SKIN ON FILLET	U	3	34.6	0	PCB TOTAL	10.5	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	781E	9/12/78	CHINOOK SALMON	SKIN ON FILLET	U	1	26	0	PCB TOTAL	7.8	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7905	10/4/79	CHINOOK SALMON	SKIN ON FILLET	U	1	38	9.6	PCB TOTAL	7.5	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7906	10/4/79	CHINOOK SALMON	SKIN ON FILLET	U	3	32	6.4	PCB TOTAL	6	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7907	10/4/79	CHINOOK SALMON	SKIN ON FILLET	U	1	28	3.4	PCB TOTAL	3	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8106	9/29/81	CHINOOK SALMON	SKIN ON FILLET	U	1	42	12.1	PCB TOTAL	6.3	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8105	9/29/81	CHINOOK SALMON	SKIN ON FILLET	U	1	35	6.8	PCB TOTAL	4.6	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8107	9/29/81	CHINOOK SALMON	SKIN ON FILLET	U	1	38	10.1	PCB TOTAL	4.2	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8108	9/29/81	CHINOOK SALMON	SKIN ON FILLET	U	1	33	5.6	PCB TOTAL	4	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8104	9/29/81	CHINOOK SALMON	SKIN ON FILLET	U	1	21	1.8	PCB TOTAL	3.4	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	810C	11/11/81	CHINOOK SALMON	SKIN ON FILLET	U	1	36.3	8.5	PCB TOTAL	8.6	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	820C	9/22/82	CHINOOK SALMON	SKIN ON FILLET	U	1	36	7	PCB TOTAL	13	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	820D	9/22/82	CHINOOK SALMON	SKIN ON FILLET	U	1	30.1	5.1	PCB TOTAL	7.8	M	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605024	SHEBOYGAN RIVER MOUTH	820E	9/22/82	CHINOOK SALMON	SKIN ON FILLET	U	1	22.1	2.2	PCB TOTAL	2.2	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	820B	9/22/82	CHINOOK SALMON	SKIN ON FILLET	U	1	39.2	12.7	PCB TOTAL	1.1	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	830B	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	36	7.15	PCB TOTAL	3.6	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	830S	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	21.2	1.85	PCB TOTAL	3.3	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	830A	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	20.4	1.55	PCB TOTAL	2.1	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8304	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	32.7	5.8	PCB TOTAL	1.9	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8309	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	33.2	6.25	PCB TOTAL	0.93	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8306	9/22/83	CHINOOK SALMON	SKIN ON FILLET	U	1	17.2	1	PCB TOTAL	0.84	M	UG/G
605049	SHEBOYGAN RIVER AT RIVER WILDLIFE AREA	9201	1/3/92	COHO SALMON	WHOLE FISH	U	11	5.8	0.03	FAT PERCENT NON-HEX EXT	6	M	%
605049	SHEBOYGAN RIVER AT RIVER WILDLIFE AREA	9202	1/3/92	COHO SALMON	WHOLE FISH	U	11	7.8	0.03	FAT PERCENT NON-HEX EXT	6	M	%
605049	SHEBOYGAN RIVER AT RIVER WILDLIFE AREA	9202	1/3/92	COHO SALMON	WHOLE FISH	U	11	7.8	0.03	PCB TOTAL	2	M	UG/G
605049	SHEBOYGAN RIVER AT RIVER WILDLIFE AREA	9201	1/3/92	COHO SALMON	WHOLE FISH	U	11	5.8	0.03	PCB TOTAL	1.7	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8010	9/30/80	COHO SALMON	SKIN ON FILLET	U	1	26	3.3	DDE P P	0.53	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8011	9/30/80	COHO SALMON	SKIN ON FILLET	U	1	25.75	3.3	DDE P P	0.51	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7801	1/6/78	COHO SALMON	SKIN ON FILLET	U	1	15	0	FAT PERCENT NON-HEX EXT	1.3	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7816	9/27/78	COHO SALMON	SKIN ON FILLET	U	1	26.5	0	FAT PERCENT NON-HEX EXT	3.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	782A	10/31/78	COHO SALMON	SKIN ON FILLET	U	4	17.5	0	FAT PERCENT NON-HEX EXT	4.2	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	782B	10/31/78	COHO SALMON	SKIN ON FILLET	U	3	22.5	0	FAT PERCENT NON-HEX EXT	1.4	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7904	1/6/79	COHO SALMON	SKIN ON FILLET	U	1	18	0	FAT PERCENT NON-HEX EXT	4.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7901	1/6/79	COHO SALMON	SKIN ON FILLET	U	1	26	0	FAT PERCENT NON-HEX EXT	1.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7903	1/6/79	COHO SALMON	SKIN ON FILLET	U	1	21	0	FAT PERCENT NON-HEX EXT	1.2	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8012	9/30/80	COHO SALMON	SKIN ON FILLET	U	1	26.2	3.2	FAT PERCENT NON-HEX EXT	6.2	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8011	9/30/80	COHO SALMON	SKIN ON FILLET	U	1	25.75	3.3	FAT PERCENT NON-HEX EXT	5.1	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8010	9/30/80	COHO SALMON	SKIN ON FILLET	U	1	26	3.3	FAT PERCENT NON-HEX EXT	4.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8013	9/30/80	COHO SALMON	SKIN ON FILLET	U	1	22	2.4	FAT PERCENT NON-HEX EXT	4	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8014	9/30/80	COHO SALMON	SKIN ON FILLET	U	1	15.4	0.7	FAT PERCENT NON-HEX EXT	2.9	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8020	11/11/80	COHO SALMON	SKIN ON FILLET	U	1	25.8	4.65	FAT PERCENT NON-HEX EXT	5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	802C	11/11/80	COHO SALMON	SKIN ON FILLET	U	1	24.2	3.25	FAT PERCENT NON-HEX EXT	3.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	802B	11/11/80	COHO SALMON	SKIN ON FILLET	U	1	23	2.7	FAT PERCENT NON-HEX EXT	2.4	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8029	11/11/80	COHO SALMON	SKIN ON FILLET	U	1	23.6	3.15	FAT PERCENT NON-HEX EXT	1.9	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	802A	11/11/80	COHO SALMON	SKIN ON FILLET	U	1	24	2.9	FAT PERCENT NON-HEX EXT	1.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	850C	9/16/85	COHO SALMON	SKIN ON FILLET	U	1	13.8	0.49	FAT PERCENT NON-HEX EXT	6.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7801	1/6/78	COHO SALMON	SKIN ON FILLET	U	1	15	0	PCB TOTAL	1.1	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7816	9/27/78	COHO SALMON	SKIN ON FILLET	U	1	26.5	0	PCB TOTAL	6	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	782B	10/31/78	COHO SALMON	SKIN ON FILLET	U	3	22.5	0	PCB TOTAL	8.4	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	782A	10/31/78	COHO SALMON	SKIN ON FILLET	U	4	17.5	0	PCB TOTAL	4	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7901	1/6/79	COHO SALMON	SKIN ON FILLET	U	1	26	0	PCB TOTAL	7.3	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7904	1/6/79	COHO SALMON	SKIN ON FILLET	U	1	18	0	PCB TOTAL	2.7	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7903	1/6/79	COHO SALMON	SKIN ON FILLET	U	1	21	0	PCB TOTAL	2.5	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8010	9/30/80	COHO SALMON	SKIN ON FILLET	U	1	26	3.3	PCB TOTAL	1.9	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8011	9/30/80	COHO SALMON	SKIN ON FILLET	U	1	25.75	3.3	PCB TOTAL	1.7	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8012	9/30/80	COHO SALMON	SKIN ON FILLET	U	1	26.2	3.2	PCB TOTAL	1.6	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8014	9/30/80	COHO SALMON	SKIN ON FILLET	U	1	15.4	0.7	PCB TOTAL	1.4	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8013	9/30/80	COHO SALMON	SKIN ON FILLET	U	1	22	2.4	PCB TOTAL	0.89	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8020	11/11/80	COHO SALMON	SKIN ON FILLET	U	1	25.8	4.65	PCB TOTAL	3.6	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	802C	11/11/80	COHO SALMON	SKIN ON FILLET	U	1	24.2	3.25	PCB TOTAL	2	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	802A	11/11/80	COHO SALMON	SKIN ON FILLET	U	1	24	2.9	PCB TOTAL	1.7	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8029	11/11/80	COHO SALMON	SKIN ON FILLET	U	1	23.6	3.15	PCB TOTAL	1.4	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	802B	11/11/80	COHO SALMON	SKIN ON FILLET	U	1	23	2.7	PCB TOTAL	1.1	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	850C	9/16/85	COHO SALMON	SKIN ON FILLET	U	1	13.8	0.49	PCB TOTAL	0.99	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8601	10/16/86	COHO SALMON	SKIN ON FILLET	U	1	0	0	2 3 7 8-TETRACHLORODIBENZO-P-DIOXIN	1.6	4	NG/KG
605025	SHEBOYGAN RIVER HARBOR	8601	10/16/86	COHO SALMON	SKIN ON FILLET	U	1	0	0	2 3 7 8-TETRACHLORODIBENZOFURAN	3.4	4	NG/KG
605025	SHEBOYGAN RIVER HARBOR	9204	9/11/92	COHO SALMON	WHOLE FISH	M	1	15.4	0.77	FAT PERCENT NON-HEX EXT	6.7	1	%
605025	SHEBOYGAN RIVER HARBOR	9203	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	15.4	0.77	FAT PERCENT NON-HEX EXT	6.4	1	%
605025	SHEBOYGAN RIVER HARBOR	9207	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	15.9	0.71	FAT PERCENT NON-HEX EXT	5.9	1	%
605025	SHEBOYGAN RIVER HARBOR	9208	9/11/92	COHO SALMON	WHOLE FISH	M	1	15.9	0.71	FAT PERCENT NON-HEX EXT	5.7	1	%
605025	SHEBOYGAN RIVER HARBOR	9210	9/11/92	COHO SALMON	WHOLE FISH	M	1	16.2	0.74	FAT PERCENT NON-HEX EXT	5.2	1	%

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. in Sample	Length (inches)	Weight (kg)	Storet Parameter Description	Result Qual.		
											Amount	Code	Units
605025	SHEBOYGAN RIVER HARBOR	9209	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	16.2	0.74	FAT PERCENT NON-HEX EXT	4.8	1	%
605025	SHEBOYGAN RIVER HARBOR	9212	9/23/92	COHO SALMON	WHOLE FISH	M	1	16.5	0.82	FAT PERCENT NON-HEX EXT	6.1	1	%
605025	SHEBOYGAN RIVER HARBOR	9211	9/23/92	COHO SALMON	SKIN ON FILLET	M	1	16.5	0.82	FAT PERCENT NON-HEX EXT	4.6	1	%
605025	SHEBOYGAN RIVER HARBOR	9206	9/23/92	COHO SALMON	WHOLE FISH	M	1	15.5	0.55	FAT PERCENT NON-HEX EXT	4.1	1	%
605025	SHEBOYGAN RIVER HARBOR	9205	9/23/92	COHO SALMON	SKIN ON FILLET	M	1	15.5	0.55	FAT PERCENT NON-HEX EXT	2.9	1	%
605025	SHEBOYGAN RIVER HARBOR	9202	9/29/92	COHO SALMON	WHOLE FISH	M	1	14.8	0.45	FAT PERCENT NON-HEX EXT	3.3	1	%
605025	SHEBOYGAN RIVER HARBOR	9201	9/29/92	COHO SALMON	SKIN ON FILLET	M	1	14.8	0.45	FAT PERCENT NON-HEX EXT	2.2	1	%
605025	SHEBOYGAN RIVER HARBOR	9212	9/23/92	COHO SALMON	WHOLE FISH	M	1	16.5	0.82	PCB 1242/1254 TISSUE	1.2	1	UG/G
605025	SHEBOYGAN RIVER HARBOR	9211	9/23/92	COHO SALMON	SKIN ON FILLET	M	1	16.5	0.82	PCB 1242/1254 TISSUE	0.92	1	UG/G
605025	SHEBOYGAN RIVER HARBOR	9205	9/23/92	COHO SALMON	SKIN ON FILLET	M	1	15.5	0.55	PCB 1242/1254 TISSUE	0.75	1	UG/G
605025	SHEBOYGAN RIVER HARBOR	9202	9/29/92	COHO SALMON	WHOLE FISH	M	1	14.8	0.45	PCB 1242/1254 TISSUE	0.88	1	UG/G
605025	SHEBOYGAN RIVER HARBOR	9201	9/29/92	COHO SALMON	SKIN ON FILLET	M	1	14.8	0.45	PCB 1242/1254 TISSUE	0.62	1	UG/G
605025	SHEBOYGAN RIVER HARBOR	9210	9/11/92	COHO SALMON	WHOLE FISH	M	1	16.2	0.74	PCB 1248/1254	0.76	1	UG/G
605025	SHEBOYGAN RIVER HARBOR	9209	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	16.2	0.74	PCB 1248/1254	0.75	1	UG/G
605025	SHEBOYGAN RIVER HARBOR	9204	9/11/92	COHO SALMON	WHOLE FISH	M	1	15.4	0.77	PCB 1248/1254	0.71	1	UG/G
605025	SHEBOYGAN RIVER HARBOR	9203	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	15.4	0.77	PCB 1248/1254	0.66	1	UG/G
605025	SHEBOYGAN RIVER HARBOR	9207	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	15.9	0.71	PCB 1248/1254	0.27	1	UG/G
605025	SHEBOYGAN RIVER HARBOR	9208	9/11/92	COHO SALMON	WHOLE FISH	M	1	15.9	0.71	PCB 1248/1254	0.25	1	UG/G
605025	SHEBOYGAN RIVER HARBOR	9206	9/23/92	COHO SALMON	WHOLE FISH	M	1	15.5	0.55	PCB 1248/1254	0.89	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9347	9/13/93	COHO SALMON	WHOLE FISH	F	1	23	2.27	AROCLOR 1248/1254/1260	1.8	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9349	9/13/93	COHO SALMON	WHOLE FISH	M	1	23.8	2.5	AROCLOR 1248/1254/1260	1.7	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9345	9/13/93	COHO SALMON	WHOLE FISH	F	1	23	2.27	AROCLOR 1248/1254/1260	1.5	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9335	9/13/93	COHO SALMON	WHOLE FISH	M	1	19.8	1.7	AROCLOR 1248/1254/1260	1.4	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9337	9/13/93	COHO SALMON	WHOLE FISH	F	1	20.2	2.73	AROCLOR 1248/1254/1260	1.4	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9341	9/13/93	COHO SALMON	WHOLE FISH	F	1	20.6	3.18	AROCLOR 1248/1254/1260	1.4	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9339	9/13/93	COHO SALMON	WHOLE FISH	F	1	20.5	2.84	AROCLOR 1248/1254/1260	1.3	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9353	9/13/93	COHO SALMON	WHOLE FISH	F	1	25	2.84	AROCLOR 1248/1254/1260	1.3	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9355	9/13/93	COHO SALMON	WHOLE FISH	F	1	25	3.75	AROCLOR 1248/1254/1260	1.3	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9351	9/13/93	COHO SALMON	WHOLE FISH	M	1	24.8	3.52	AROCLOR 1248/1254/1260	1.2	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9343	9/13/93	COHO SALMON	WHOLE FISH	M	1	20.9	1.93	AROCLOR 1248/1254/1260	0.88	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9331	9/13/93	COHO SALMON	WHOLE FISH	M	1	16.3	0.8	AROCLOR 1248/1254/1260	0.8	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9327	9/13/93	COHO SALMON	WHOLE FISH	M	1	13.9	0.49	AROCLOR 1248/1254/1260	0.7	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9329	9/13/93	COHO SALMON	WHOLE FISH	M	1	14	0.48	AROCLOR 1248/1254/1260	0.54	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9333	9/13/93	COHO SALMON	WHOLE FISH	M	1	17	0.8	AROCLOR 1248/1254/1260	0.53	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9325	9/13/93	COHO SALMON	WHOLE FISH	M	1	13.3	0.41	AROCLOR 1248/1254/1260	0.26	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9117	11/15/91	COHO SALMON	WHOLE FISH	U	10	6.2	0.04	FAT PERCENT NON-HEX EXT	11	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9118	11/15/91	COHO SALMON	WHOLE FISH	U	10	7	0.06	FAT PERCENT NON-HEX EXT	9.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9115	11/15/91	COHO SALMON	WHOLE FISH	U	10	5.5	0.02	FAT PERCENT NON-HEX EXT	9	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9116	11/15/91	COHO SALMON	WHOLE FISH	U	10	6	0.04	FAT PERCENT NON-HEX EXT	9	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9119	11/15/91	COHO SALMON	WHOLE FISH	U	10	8	0.09	FAT PERCENT NON-HEX EXT	7.6	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9202	3/5/92	COHO SALMON	WHOLE FISH	U	10	5.8	0.03	FAT PERCENT NON-HEX EXT	5.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9201	3/5/92	COHO SALMON	WHOLE FISH	U	10	5.5	0.03	FAT PERCENT NON-HEX EXT	5.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9203	3/5/92	COHO SALMON	WHOLE FISH	U	10	6	0.03	FAT PERCENT NON-HEX EXT	5.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9204	3/5/92	COHO SALMON	WHOLE FISH	U	10	6.5	0.04	FAT PERCENT NON-HEX EXT	4.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9205	3/5/92	COHO SALMON	WHOLE FISH	U	10	6.5	0.04	FAT PERCENT NON-HEX EXT	4.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9206	4/9/92	COHO SALMON	WHOLE FISH	U	10	6.7	0.05	FAT PERCENT NON-HEX EXT	4.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9207	4/9/92	COHO SALMON	WHOLE FISH	U	10	6.7	0.04	FAT PERCENT NON-HEX EXT	4.3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9208	4/9/92	COHO SALMON	WHOLE FISH	U	10	6.9	0.05	FAT PERCENT NON-HEX EXT	4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9209	4/9/92	COHO SALMON	WHOLE FISH	U	10	8	0.07	FAT PERCENT NON-HEX EXT	3.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9210	4/9/92	COHO SALMON	WHOLE FISH	U	10	8.5	0.08	FAT PERCENT NON-HEX EXT	3.3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9214	5/6/92	COHO SALMON	WHOLE FISH	U	10	6.5	0.04	FAT PERCENT NON-HEX EXT	2.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9212	5/6/92	COHO SALMON	WHOLE FISH	U	10	6	0.03	FAT PERCENT NON-HEX EXT	2.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9213	5/6/92	COHO SALMON	WHOLE FISH	U	10	6.2	0.04	FAT PERCENT NON-HEX EXT	2.1	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9211	5/6/92	COHO SALMON	WHOLE FISH	U	10	5.5	0.02	FAT PERCENT NON-HEX EXT	2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9215	5/6/92	COHO SALMON	WHOLE FISH	U	10	7.2	0.06	FAT PERCENT NON-HEX EXT	1.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9239	9/11/92	COHO SALMON	WHOLE FISH	M	1	15.8	0.65	FAT PERCENT NON-HEX EXT	6.8	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9243	9/11/92	COHO SALMON	WHOLE FISH	M	1	17.8	0.89	FAT PERCENT NON-HEX EXT	6.8	1	%



WDNR Fish Tissue Dataset

Location		Collection	Fish Type	Fish: Form	Num. In	Length	Weight	Store Parameter Description		Result	Qual.	Units	
Code	Site Name	Field #	Description	Description	Sample	(Inches)	(kg)			Amount	Code		
605042	SHEBOYGAN RIVER HIGHWAY TA	9242	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	17.8	0.89	FAT PERCENT NON-HEX EXT	6.3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9241	9/11/92	COHO SALMON	WHOLE FISH	M	1	16.8	0.71	FAT PERCENT NON-HEX EXT	5.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9235	9/11/92	COHO SALMON	WHOLE FISH	M	1	15.7	0.55	FAT PERCENT NON-HEX EXT	4.8	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9216	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	14.2	0.47	FAT PERCENT NON-HEX EXT	4.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9219	9/11/92	COHO SALMON	WHOLE FISH	M	1	14.6	0.53	FAT PERCENT NON-HEX EXT	4.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9234	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	15.7	0.55	FAT PERCENT NON-HEX EXT	4.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9238	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	15.8	0.65	FAT PERCENT NON-HEX EXT	4.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9240	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	16.8	0.71	FAT PERCENT NON-HEX EXT	4.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9217	9/11/92	COHO SALMON	WHOLE FISH	M	1	14.2	0.47	FAT PERCENT NON-HEX EXT	4.1	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9218	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	14.6	0.53	FAT PERCENT NON-HEX EXT	3.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9233	9/11/92	COHO SALMON	WHOLE FISH	M	1	14.7	0.53	FAT PERCENT NON-HEX EXT	3.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9237	9/11/92	COHO SALMON	WHOLE FISH	M	1	15.7	0.56	FAT PERCENT NON-HEX EXT	3.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9232	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	14.7	0.53	FAT PERCENT NON-HEX EXT	3.6	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9236	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	15.7	0.56	FAT PERCENT NON-HEX EXT	3.1	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9221	10/14/92	COHO SALMON	WHOLE FISH	U	10	4.92	0.02	FAT PERCENT NON-HEX EXT	8	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9220	10/14/92	COHO SALMON	WHOLE FISH	U	10	4.72	0.01	FAT PERCENT NON-HEX EXT	7.9	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9222	10/14/92	COHO SALMON	WHOLE FISH	U	10	5.12	0.02	FAT PERCENT NON-HEX EXT	7.6	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9224	10/14/92	COHO SALMON	WHOLE FISH	U	10	6.89	0.04	FAT PERCENT NON-HEX EXT	7.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9223	10/14/92	COHO SALMON	WHOLE FISH	U	10	5.71	0.03	FAT PERCENT NON-HEX EXT	7.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9230	12/7/92	COHO SALMON	WHOLE FISH	U	5	4.66	0.01	FAT PERCENT NON-HEX EXT	7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9244	12/14/92	COHO SALMON	WHOLE FISH	U	4	5.12	0.01	FAT PERCENT NON-HEX EXT	5.4	M	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9231	12/14/92	COHO SALMON	WHOLE FISH	U	4	4.88	0.01	FAT PERCENT NON-HEX EXT	4.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9323	4/13/93	COHO SALMON	WHOLE FISH	U	6	5	0.02	FAT PERCENT NON-HEX EXT	3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9322	4/13/93	COHO SALMON	WHOLE FISH	U	5	4.5	0.01	FAT PERCENT NON-HEX EXT	2.9	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9320	4/28/93	COHO SALMON	WHOLE FISH	U	4	6.6	0.03	FAT PERCENT NON-HEX EXT	3.1	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9318	5/6/93	COHO SALMON	WHOLE FISH	U	10	5.8	0.03	FAT PERCENT NON-HEX EXT	3.9	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9316	5/6/93	COHO SALMON	WHOLE FISH	U	10	5.5	0.02	FAT PERCENT NON-HEX EXT	2.8	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9315	5/6/93	COHO SALMON	WHOLE FISH	U	10	5.3	0.02	FAT PERCENT NON-HEX EXT	2.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9319	5/6/93	COHO SALMON	WHOLE FISH	U	10	6.7	0.04	FAT PERCENT NON-HEX EXT	2.3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9317	5/6/93	COHO SALMON	WHOLE FISH	U	10	5.7	0.02	FAT PERCENT NON-HEX EXT	2.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9343	9/13/93	COHO SALMON	WHOLE FISH	M	1	20.9	1.93	FAT PERCENT NON-HEX EXT	9.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9349	9/13/93	COHO SALMON	WHOLE FISH	M	1	23.8	2.5	FAT PERCENT NON-HEX EXT	8.9	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9365	9/13/93	COHO SALMON	WHOLE FISH	F	1	25.9	3.3	FAT PERCENT NON-HEX EXT	8.9	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9371	9/13/93	COHO SALMON	WHOLE FISH	F	1	27.3	4.55	FAT PERCENT NON-HEX EXT	8.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9359	9/13/93	COHO SALMON	WHOLE FISH	F	1	25.1	3.41	FAT PERCENT NON-HEX EXT	8.3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9357	9/13/93	COHO SALMON	WHOLE FISH	M	1	25	2.95	FAT PERCENT NON-HEX EXT	8.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9369	9/13/93	COHO SALMON	WHOLE FISH	F	1	27.2	4.09	FAT PERCENT NON-HEX EXT	8.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9345	9/13/93	COHO SALMON	WHOLE FISH	F	1	23	2.27	FAT PERCENT NON-HEX EXT	8	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9367	9/13/93	COHO SALMON	WHOLE FISH	F	1	26.7	4.2	FAT PERCENT NON-HEX EXT	7.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9335	9/13/93	COHO SALMON	WHOLE FISH	M	1	19.8	1.7	FAT PERCENT NON-HEX EXT	7.6	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9339	9/13/93	COHO SALMON	WHOLE FISH	F	1	20.5	2.84	FAT PERCENT NON-HEX EXT	7.6	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9341	9/13/93	COHO SALMON	WHOLE FISH	F	1	20.6	3.18	FAT PERCENT NON-HEX EXT	7.6	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9351	9/13/93	COHO SALMON	WHOLE FISH	M	1	24.8	3.52	FAT PERCENT NON-HEX EXT	6.9	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9361	9/13/93	COHO SALMON	WHOLE FISH	F	1	25.3	3.52	FAT PERCENT NON-HEX EXT	6.9	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9333	9/13/93	COHO SALMON	WHOLE FISH	M	1	17	0.8	FAT PERCENT NON-HEX EXT	6.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9338	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	20.5	2.84	FAT PERCENT NON-HEX EXT	6.3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9337	9/13/93	COHO SALMON	WHOLE FISH	F	1	20.2	2.73	FAT PERCENT NON-HEX EXT	6.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9329	9/13/93	COHO SALMON	WHOLE FISH	M	1	14	0.46	FAT PERCENT NON-HEX EXT	6.1	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9355	9/13/93	COHO SALMON	WHOLE FISH	F	1	25	3.75	FAT PERCENT NON-HEX EXT	6	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9373	9/13/93	COHO SALMON	WHOLE FISH	F	1	30.1	5.57	FAT PERCENT NON-HEX EXT	6	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9358	9/13/93	COHO SALMON	SKIN ON FILLET	M	1	25	2.95	FAT PERCENT NON-HEX EXT	5.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9364	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	25.9	3.3	FAT PERCENT NON-HEX EXT	5.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9342	9/13/93	COHO SALMON	SKIN ON FILLET	M	1	20.9	1.93	FAT PERCENT NON-HEX EXT	5.6	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9331	9/13/93	COHO SALMON	WHOLE FISH	M	1	16.3	0.8	FAT PERCENT NON-HEX EXT	5.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9363	9/13/93	COHO SALMON	WHOLE FISH	F	1	25.8	3.41	FAT PERCENT NON-HEX EXT	5.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9347	9/13/93	COHO SALMON	WHOLE FISH	F	1	23	2.27	FAT PERCENT NON-HEX EXT	5.3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9353	9/13/93	COHO SALMON	WHOLE FISH	F	1	25	2.84	FAT PERCENT NON-HEX EXT	5.3	1	%

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. in Sample	Length (inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605042	SHEBOYGAN RIVER HIGHWAY TA	9328	9/13/93	COHO SALMON	SKIN ON FILLET	M	1	14	0.46	FAT PERCENT NON-HEX EXT	5.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9358	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	25.1	3.41	FAT PERCENT NON-HEX EXT	5.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9348	9/13/93	COHO SALMON	SKIN ON FILLET	M	1	23.8	2.5	FAT PERCENT NON-HEX EXT	4.8	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9350	9/13/93	COHO SALMON	SKIN ON FILLET	M	1	24.8	3.52	FAT PERCENT NON-HEX EXT	4.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9368	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	27.2	4.09	FAT PERCENT NON-HEX EXT	4.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9327	9/13/93	COHO SALMON	WHOLE FISH	M	1	13.9	0.49	FAT PERCENT NON-HEX EXT	4.6	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9330	9/13/93	COHO SALMON	SKIN ON FILLET	M	1	16.3	0.8	FAT PERCENT NON-HEX EXT	4.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9334	9/13/93	COHO SALMON	SKIN ON FILLET	M	1	19.8	1.7	FAT PERCENT NON-HEX EXT	4.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9366	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	26.7	4.2	FAT PERCENT NON-HEX EXT	4.3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9370	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	27.3	4.55	FAT PERCENT NON-HEX EXT	4.3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9362	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	25.8	3.41	FAT PERCENT NON-HEX EXT	4.1	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9325	9/13/93	COHO SALMON	WHOLE FISH	M	1	13.3	0.41	FAT PERCENT NON-HEX EXT	4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9332	9/13/93	COHO SALMON	SKIN ON FILLET	M	1	17	0.8	FAT PERCENT NON-HEX EXT	3.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9340	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	20.6	3.18	FAT PERCENT NON-HEX EXT	3.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9336	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	20.2	2.73	FAT PERCENT NON-HEX EXT	3.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9344	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	23	2.27	FAT PERCENT NON-HEX EXT	3.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9372	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	30.1	5.57	FAT PERCENT NON-HEX EXT	3.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9360	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	25.3	3.52	FAT PERCENT NON-HEX EXT	2.8	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9352	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	25	2.84	FAT PERCENT NON-HEX EXT	2.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9354	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	25	3.75	FAT PERCENT NON-HEX EXT	2.6	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9326	9/13/93	COHO SALMON	SKIN ON FILLET	M	1	13.9	0.49	FAT PERCENT NON-HEX EXT	2.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9324	9/13/93	COHO SALMON	SKIN ON FILLET	M	1	13.3	0.41	FAT PERCENT NON-HEX EXT	1.6	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9346	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	23	2.27	FAT PERCENT NON-HEX EXT	1.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	932D	11/30/93	COHO SALMON	WHOLE FISH	M	1	15.4	0.57	FAT PERCENT NON-HEX EXT	2.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	932C	11/30/93	COHO SALMON	SKIN ON FILLET	M	1	15.4	0.57	FAT PERCENT NON-HEX EXT	1.1	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9441	10/4/94	COHO SALMON	SKIN ON FILLET	F	1	24.3	2.34	FAT PERCENT NON-HEX EXT	4.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9442	10/4/94	COHO SALMON	SKIN ON FILLET	M	1	25.3	2.91	FAT PERCENT NON-HEX EXT	3.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9440	10/4/94	COHO SALMON	SKIN ON FILLET	F	1	21.5	1.71	FAT PERCENT NON-HEX EXT	2.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9439	10/4/94	COHO SALMON	SKIN ON FILLET	F	1	18.8	1.09	FAT PERCENT NON-HEX EXT	0.9	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9438	10/4/94	COHO SALMON	SKIN ON FILLET	M	1	16.5	0.65	FAT PERCENT NON-HEX EXT	0.8	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9204	3/5/92	COHO SALMON	WHOLE FISH	U	10	6.5	0.04	PCB 1242/1254 TISSUE	2.2	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9201	3/5/92	COHO SALMON	WHOLE FISH	U	10	5.5	0.03	PCB 1242/1254 TISSUE	2.1	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9203	3/5/92	COHO SALMON	WHOLE FISH	U	10	6	0.03	PCB 1242/1254 TISSUE	2	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9202	3/5/92	COHO SALMON	WHOLE FISH	U	10	5.8	0.03	PCB 1242/1254 TISSUE	1.8	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9215	5/8/92	COHO SALMON	WHOLE FISH	U	10	7.2	0.06	PCB 1242/1254 TISSUE	2.8	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9213	5/8/92	COHO SALMON	WHOLE FISH	U	10	6.2	0.04	PCB 1242/1254 TISSUE	2.7	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9212	5/8/92	COHO SALMON	WHOLE FISH	U	10	6	0.03	PCB 1242/1254 TISSUE	2.5	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9214	5/8/92	COHO SALMON	WHOLE FISH	U	10	6.5	0.04	PCB 1242/1254 TISSUE	2.5	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9211	5/8/92	COHO SALMON	WHOLE FISH	U	10	5.5	0.02	PCB 1242/1254 TISSUE	2.2	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9241	9/11/92	COHO SALMON	WHOLE FISH	M	1	16.8	0.71	PCB 1242/1254 TISSUE	0.97	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9236	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	15.7	0.56	PCB 1242/1254 TISSUE	0.81	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9237	9/11/92	COHO SALMON	WHOLE FISH	M	1	15.7	0.56	PCB 1242/1254 TISSUE	0.58	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9216	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	14.2	0.47	PCB 1242/1254 TISSUE	0.52	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9232	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	14.7	0.53	PCB 1242/1254 TISSUE	0.49	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9233	9/11/92	COHO SALMON	WHOLE FISH	M	1	14.7	0.53	PCB 1242/1254 TISSUE	0.49	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9217	9/11/92	COHO SALMON	WHOLE FISH	M	1	14.2	0.47	PCB 1242/1254 TISSUE	0.4	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9219	9/11/92	COHO SALMON	WHOLE FISH	M	1	14.8	0.53	PCB 1242/1254 TISSUE	0.4	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9235	9/11/92	COHO SALMON	WHOLE FISH	M	1	15.7	0.55	PCB 1242/1254 TISSUE	0.38	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9218	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	14.8	0.53	PCB 1242/1254 TISSUE	0.36	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9234	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	15.7	0.55	PCB 1242/1254 TISSUE	0.27	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9223	10/14/92	COHO SALMON	WHOLE FISH	U	10	5.71	0.03	PCB 1242/1254 TISSUE	0.69	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9221	10/14/92	COHO SALMON	WHOLE FISH	U	10	4.92	0.02	PCB 1242/1254 TISSUE	0.66	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9224	10/14/92	COHO SALMON	WHOLE FISH	U	10	6.89	0.04	PCB 1242/1254 TISSUE	0.6	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9220	10/14/92	COHO SALMON	WHOLE FISH	U	10	4.72	0.01	PCB 1242/1254 TISSUE	0.54	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9230	12/7/92	COHO SALMON	WHOLE FISH	U	5	4.66	0.01	PCB 1242/1254 TISSUE	1.7	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9231	12/14/92	COHO SALMON	WHOLE FISH	U	4	4.88	0.01	PCB 1242/1254 TISSUE	3.5	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9244	12/14/92	COHO SALMON	WHOLE FISH	U	4	5.12	0.01	PCB 1242/1254 TISSUE	1.7	M	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (Kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605042	SHEBOYGAN RIVER HIGHWAY TA	932C	11/30/93	COHO SALMON	SKIN ON FILLET	M	1	15.4	0.57	PCB 1242/1254 TISSUE	0.2	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9205	3/5/92	COHO SALMON	WHOLE FISH	U	10	6.5	0.04	PCB 1248/1254	1.4	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9210	4/9/92	COHO SALMON	WHOLE FISH	U	10	8.5	0.08	PCB 1248/1254	2.6	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9209	4/9/92	COHO SALMON	WHOLE FISH	U	10	8	0.07	PCB 1248/1254	2.2	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9206	4/9/92	COHO SALMON	WHOLE FISH	U	10	6.7	0.05	PCB 1248/1254	1.7	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9207	4/9/92	COHO SALMON	WHOLE FISH	U	10	6.7	0.04	PCB 1248/1254	1.6	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9208	4/9/92	COHO SALMON	WHOLE FISH	U	10	6.9	0.05	PCB 1248/1254	1.4	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9239	9/11/92	COHO SALMON	WHOLE FISH	M	1	15.8	0.65	PCB 1248/1254	1.2	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9243	9/11/92	COHO SALMON	WHOLE FISH	M	1	17.8	0.89	PCB 1248/1254	0.87	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9242	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	17.8	0.89	PCB 1248/1254	0.85	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9238	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	15.8	0.65	PCB 1248/1254	0.66	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9240	9/11/92	COHO SALMON	SKIN ON FILLET	M	1	16.8	0.71	PCB 1248/1254	0.66	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9222	10/14/92	COHO SALMON	WHOLE FISH	U	10	5.12	0.02	PCB 1248/1254	0.3	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9322	4/13/93	COHO SALMON	WHOLE FISH	U	5	4.5	0.01	PCB 1248/1254	5	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9323	4/13/93	COHO SALMON	WHOLE FISH	U	6	5	0.02	PCB 1248/1254	3.5	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9320	4/28/93	COHO SALMON	WHOLE FISH	U	4	6.6	0.03	PCB 1248/1254	3.7	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9318	5/6/93	COHO SALMON	WHOLE FISH	U	10	5.8	0.03	PCB 1248/1254	3.7	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9316	5/6/93	COHO SALMON	WHOLE FISH	U	10	5.5	0.02	PCB 1248/1254	3.2	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9315	5/6/93	COHO SALMON	WHOLE FISH	U	10	5.3	0.02	PCB 1248/1254	3.1	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9319	5/6/93	COHO SALMON	WHOLE FISH	U	10	6.7	0.04	PCB 1248/1254	2.8	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9317	5/6/93	COHO SALMON	WHOLE FISH	U	10	5.7	0.02	PCB 1248/1254	2.5	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9373	9/13/93	COHO SALMON	WHOLE FISH	F	1	30.1	5.57	PCB 1248/1254	1.3	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9365	9/13/93	COHO SALMON	WHOLE FISH	F	1	25.9	3.3	PCB 1248/1254	1.1	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9371	9/13/93	COHO SALMON	WHOLE FISH	F	1	27.3	4.55	PCB 1248/1254	1.1	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9367	9/13/93	COHO SALMON	WHOLE FISH	F	1	26.7	4.2	PCB 1248/1254	0.97	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9369	9/13/93	COHO SALMON	WHOLE FISH	F	1	27.2	4.09	PCB 1248/1254	0.97	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9363	9/13/93	COHO SALMON	WHOLE FISH	F	1	25.8	3.41	PCB 1248/1254	0.82	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9361	9/13/93	COHO SALMON	WHOLE FISH	F	1	25.3	3.52	PCB 1248/1254	0.73	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9359	9/13/93	COHO SALMON	WHOLE FISH	F	1	25.1	3.41	PCB 1248/1254	0.7	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9357	9/13/93	COHO SALMON	WHOLE FISH	M	1	25	2.95	PCB 1248/1254	0.6	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	932D	11/30/93	COHO SALMON	WHOLE FISH	M	1	15.4	0.57	PCB 1248/1254	0.47	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9441	10/4/94	COHO SALMON	SKIN ON FILLET	F	1	24.3	2.34	PCB 1248/1254	1.1	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9442	10/4/94	COHO SALMON	SKIN ON FILLET	M	1	25.3	2.91	PCB 1248/1254	0.83	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9440	10/4/94	COHO SALMON	SKIN ON FILLET	F	1	21.5	1.71	PCB 1248/1254	0.32	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9439	10/4/94	COHO SALMON	SKIN ON FILLET	F	1	18.8	1.09	PCB 1248/1254	0.29	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9438	10/4/94	COHO SALMON	SKIN ON FILLET	M	1	16.5	0.85	PCB 1248/1254	0.14	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9372	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	30.1	5.57	PCB 1254/1260	1.1	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9364	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	25.9	3.3	PCB 1254/1260	1	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9338	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	20.5	2.84	PCB 1254/1260	0.98	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9362	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	25.8	3.41	PCB 1254/1260	0.95	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9368	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	27.2	4.09	PCB 1254/1260	0.85	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9370	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	27.3	4.55	PCB 1254/1260	0.85	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9366	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	26.7	4.2	PCB 1254/1260	0.82	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9336	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	20.2	2.73	PCB 1254/1260	0.8	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9348	9/13/93	COHO SALMON	SKIN ON FILLET	M	1	23.8	2.5	PCB 1254/1260	0.78	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9358	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	25.1	3.41	PCB 1254/1260	0.75	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9352	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	25	2.84	PCB 1254/1260	0.73	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9350	9/13/93	COHO SALMON	SKIN ON FILLET	M	1	24.8	3.52	PCB 1254/1260	0.69	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9334	9/13/93	COHO SALMON	SKIN ON FILLET	M	1	19.8	1.7	PCB 1254/1260	0.67	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9356	9/13/93	COHO SALMON	SKIN ON FILLET	M	1	25	2.95	PCB 1254/1260	0.67	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9340	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	20.6	3.18	PCB 1254/1260	0.63	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9354	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	25	3.75	PCB 1254/1260	0.58	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9330	9/13/93	COHO SALMON	SKIN ON FILLET	M	1	16.3	0.8	PCB 1254/1260	0.55	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9344	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	23	2.27	PCB 1254/1260	0.52	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9360	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	25.3	3.52	PCB 1254/1260	0.48	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9342	9/13/93	COHO SALMON	SKIN ON FILLET	M	1	20.9	1.93	PCB 1254/1260	0.47	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9346	9/13/93	COHO SALMON	SKIN ON FILLET	F	1	23	2.27	PCB 1254/1260	0.39	1	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605042	SHEBOYGAN RIVER HIGHWAY TA	9332	9/13/93	COHO SALMON	SKIN ON FILLET	M	1	17	0.8	PCB 1254/1260	0.28	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9119	11/15/91	COHO SALMON	WHOLE FISH	U	10	8	0.09	PCB TOTAL	1.1	M	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9117	11/15/91	COHO SALMON	WHOLE FISH	U	10	6.2	0.04	PCB TOTAL	0.85	M	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9118	11/15/91	COHO SALMON	WHOLE FISH	U	10	7	0.06	PCB TOTAL	0.81	M	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9115	11/15/91	COHO SALMON	WHOLE FISH	U	10	5.5	0.02	PCB TOTAL	0.79	M	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9116	11/15/91	COHO SALMON	WHOLE FISH	U	10	6	0.04	PCB TOTAL	0.63	M	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9328	9/13/93	COHO SALMON	SKIN ON FILLET	M	1	14	0.46	PCB TOTAL	0.33	M	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9326	9/13/93	COHO SALMON	SKIN ON FILLET	M	1	13.9	0.49	PCB TOTAL	0.24	M	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9324	9/13/93	COHO SALMON	SKIN ON FILLET	M	1	13.3	0.41	PCB TOTAL	0.066	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8403	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	24.6	2.96	ALPHA-CHLORDANE	0.01	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8404	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.3	1.9	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8405	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.8	2.6	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8406	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.2	2.2	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8407	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.2	1.9	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8408	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.7	2.25	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8409	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.4	2.7	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840A	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	27.7	2.8	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840B	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23	2.3	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8517	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	15.55	0.75	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	860F	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	21.8	1.97	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8610	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	23.4	2.01	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8611	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	24.2	2.23	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8826	10/21/88	COHO SALMON	SKIN ON FILLET	M	5	26.9	3.3	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8827	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	24.1	2.49	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8828	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	25.6	3	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9001	11/7/90	COHO SALMON	SKIN ON FILLET	M	1	26.2	2.81	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8826	10/21/88	COHO SALMON	SKIN ON FILLET	M	5	26.9	3.3	AROCLOR 1248/1254/1260	1.14	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8828	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	25.6	3	AROCLOR 1248/1254/1260	0.88	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8827	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	24.1	2.49	AROCLOR 1248/1254/1260	0.8	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9001	11/7/90	COHO SALMON	SKIN ON FILLET	M	1	26.2	2.81	AROCLOR 1248/1254/1260	0.57	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9306	9/14/93	COHO SALMON	WHOLE FISH	F	1	27.3	3.86	AROCLOR 1248/1254/1260	1.5	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9304	9/14/93	COHO SALMON	WHOLE FISH	F	1	25.7	3.41	AROCLOR 1248/1254/1260	1	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9316	9/22/93	COHO SALMON	WHOLE FISH	M	1	17.2	1.09	AROCLOR 1248/1254/1260	1.2	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9308	9/22/93	COHO SALMON	WHOLE FISH	M	1	13.2	0.41	AROCLOR 1248/1254/1260	1.1	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9312	9/22/93	COHO SALMON	WHOLE FISH	M	1	15.5	0.64	AROCLOR 1248/1254/1260	0.9	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9310	9/22/93	COHO SALMON	WHOLE FISH	M	1	14.2	0.45	AROCLOR 1248/1254/1260	0.54	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9314	9/22/93	COHO SALMON	WHOLE FISH	M	1	15.8	0.59	AROCLOR 1248/1254/1260	0.45	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8401	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	24.4	2.44	BHC ALPHA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8402	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	23.2	2.28	BHC ALPHA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8403	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	24.6	2.96	BHC ALPHA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	860F	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	21.8	1.97	BHC ALPHA	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8610	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	23.4	2.01	BHC ALPHA	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8611	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	24.2	2.23	BHC ALPHA	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8826	10/21/88	COHO SALMON	SKIN ON FILLET	M	5	26.9	3.3	BHC ALPHA	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8827	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	24.1	2.49	BHC ALPHA	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8828	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	25.6	3	BHC ALPHA	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9001	11/7/90	COHO SALMON	SKIN ON FILLET	M	1	26.2	2.81	BHC ALPHA	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8826	10/21/88	COHO SALMON	SKIN ON FILLET	M	5	26.9	3.3	BHC GAMMA (LINDANE)	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8827	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	24.1	2.49	BHC GAMMA (LINDANE)	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8828	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	25.6	3	BHC GAMMA (LINDANE)	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9001	11/7/90	COHO SALMON	SKIN ON FILLET	M	1	26.2	2.81	BHC GAMMA (LINDANE)	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8404	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.3	1.9	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8405	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.8	2.6	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8406	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.2	2.2	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8407	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.2	1.9	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8408	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.7	2.25	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8409	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.4	2.7	CHLORDANE GAMMA	0.05	4	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. in Sample	Length (Inches)	Weight (kg)	Stored Parameter Description	Result Amount	Qual. Code	Units
605027	SHEBOYGAN RIVER KIWANIS PARK	840A	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	27.7	2.8	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840B	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23	2.3	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8517	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	15.55	0.75	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	860F	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	21.8	1.97	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8610	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	23.4	2.01	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8611	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	24.2	2.23	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8826	10/21/88	COHO SALMON	SKIN ON FILLET	M	5	26.9	3.3	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8827	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	24.1	2.49	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8828	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	25.6	3	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9001	11/7/90	COHO SALMON	SKIN ON FILLET	M	1	26.2	2.81	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8404	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.3	1.9	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8405	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.8	2.6	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8406	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.2	2.2	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8407	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.2	1.9	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8408	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.7	2.25	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8409	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.4	2.7	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840A	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	27.7	2.8	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840B	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23	2.3	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8517	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	15.55	0.75	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	860F	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	21.8	1.97	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8610	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	23.4	2.01	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8611	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	24.2	2.23	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8826	10/21/88	COHO SALMON	SKIN ON FILLET	M	5	26.9	3.3	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8827	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	24.1	2.49	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8828	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	25.6	3	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9001	11/7/90	COHO SALMON	SKIN ON FILLET	M	1	26.2	2.81	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	860F	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	21.8	1.97	DDD P P	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8610	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	23.4	2.01	DDD P P	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8611	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	24.2	2.23	DDD P P	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8826	10/21/88	COHO SALMON	SKIN ON FILLET	M	5	26.9	3.3	DDD P P	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8827	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	24.1	2.49	DDD P P	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8828	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	25.6	3	DDD P P	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9001	11/7/90	COHO SALMON	SKIN ON FILLET	M	1	26.2	2.81	DDD P P	0.02	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8403	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	24.6	2.96	DDE P P	0.12	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8401	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	24.4	2.44	DDE P P	0.09	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8402	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	23.2	2.28	DDE P P	0.08	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8611	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	24.2	2.23	DDE P P	0.13	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	860F	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	21.8	1.97	DDE P P	0.12	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8610	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	23.4	2.01	DDE P P	0.11	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8826	10/21/88	COHO SALMON	SKIN ON FILLET	M	5	26.9	3.3	DDE P P	0.2	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8828	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	25.6	3	DDE P P	0.14	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8827	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	24.1	2.49	DDE P P	0.13	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9001	11/7/90	COHO SALMON	SKIN ON FILLET	M	1	26.2	2.81	DDE P P	0.27	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8401	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	24.4	2.44	DDT P P	0.01	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8402	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	23.2	2.28	DDT P P	0.01	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8403	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	24.6	2.96	DDT P P	0.01	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	860F	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	21.8	1.97	DDT P P	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8610	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	23.4	2.01	DDT P P	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8611	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	24.2	2.23	DDT P P	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8826	10/21/88	COHO SALMON	SKIN ON FILLET	M	5	26.9	3.3	DDT P P	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8827	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	24.1	2.49	DDT P P	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8828	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	25.6	3	DDT P P	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9001	11/7/90	COHO SALMON	SKIN ON FILLET	M	1	26.2	2.81	DDT P P	0.02	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8401	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	24.4	2.44	DIELDRIN	0.01	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8402	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	23.2	2.28	DIELDRIN	0.01	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8403	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	24.6	2.96	DIELDRIN	0.01	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8404	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.3	1.9	DIELDRIN	0.02	4	UG/G

WDNR Fish Tissue Dataset

Location		Collection	Fish Type	Fish: Form	Num. in	Length	Weight		Result	Qual.	
Code	Site Name	Field #	Description	Description	Sex	(inches)	(kg)	Store Parameter Description	Amount	Code	Units
605027	SHEBOYGAN RIVER KIWANIS PARK	8405	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.8	2.6	DIELDRIN	0.02 4 UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8406	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.2	2.2	DIELDRIN	0.02 4 UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8407	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.2	1.9	DIELDRIN	0.02 4 UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8408	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.7	2.25	DIELDRIN	0.02 4 UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8409	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.4	2.7	DIELDRIN	0.02 4 UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840A	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	27.7	2.8	DIELDRIN	0.02 M UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840B	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23	2.3	DIELDRIN	0.02 4 UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8517	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	15.55	0.75	DIELDRIN	0.02 4 UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	860F	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	21.8	1.97	DIELDRIN	0.02 4 UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8610	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	23.4	2.01	DIELDRIN	0.02 4 UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8611	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	24.2	2.23	DIELDRIN	0.02 M UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8826	10/21/88	COHO SALMON	SKIN ON FILLET	M	5	26.9	3.3	DIELDRIN	0.06 M UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8828	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	25.6	3	DIELDRIN	0.03 M UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8827	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	24.1	2.49	DIELDRIN	0.02 4 UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9001	11/7/90	COHO SALMON	SKIN ON FILLET	M	1	26.2	2.81	DIELDRIN	0.02 M UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	860F	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	21.8	1.97	ENDRIN	0.05 4 UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8610	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	23.4	2.01	ENDRIN	0.05 4 UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8611	10/8/86	COHO SALMON	SKIN ON FILLET	U	5	24.2	2.23	ENDRIN	0.05 4 UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8826	10/21/88	COHO SALMON	SKIN ON FILLET	M	5	26.9	3.3	ENDRIN	0.02 4 UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8827	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	24.1	2.49	ENDRIN	0.02 4 UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8828	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	25.6	3	ENDRIN	0.02 4 UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9001	11/7/90	COHO SALMON	SKIN ON FILLET	M	1	26.2	2.81	ENDRIN	0.02 4 UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	821C	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	15.4	0.65	FAT PERCENT NON-HEX EXT	5.5 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8222	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	24.8	2.8	FAT PERCENT NON-HEX EXT	2.5 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8221	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	24.7	3.05	FAT PERCENT NON-HEX EXT	2.4 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8223	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	25.6	3.15	FAT PERCENT NON-HEX EXT	2.3 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8224	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	26.4	3	FAT PERCENT NON-HEX EXT	2.3 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8226	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	28.3	3.8	FAT PERCENT NON-HEX EXT	2.3 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	821D	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	15.5	0.65	FAT PERCENT NON-HEX EXT	2.2 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8225	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	26.6	3.5	FAT PERCENT NON-HEX EXT	2.1 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	821F	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	23.7	2.3	FAT PERCENT NON-HEX EXT	2 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	821E	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	21.1	1.8	FAT PERCENT NON-HEX EXT	1.7 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8220	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	24.5	2.35	FAT PERCENT NON-HEX EXT	1.5 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8403	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	24.8	2.98	FAT PERCENT NON-HEX EXT	1.9 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8401	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	24.4	2.44	FAT PERCENT NON-HEX EXT	1.5 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8402	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	23.2	2.28	FAT PERCENT NON-HEX EXT	1.2 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	840B	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23	2.3	FAT PERCENT NON-HEX EXT	4 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8408	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.7	2.25	FAT PERCENT NON-HEX EXT	3.2 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8405	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.8	2.6	FAT PERCENT NON-HEX EXT	2.8 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8409	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.4	2.7	FAT PERCENT NON-HEX EXT	2.3 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8417	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	15.8	0.8	FAT PERCENT NON-HEX EXT	2 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8406	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.2	2.2	FAT PERCENT NON-HEX EXT	1.8 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8416	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	19.9	1.4	FAT PERCENT NON-HEX EXT	1.7 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	840A	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	27.7	2.8	FAT PERCENT NON-HEX EXT	1.6 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8404	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.3	1.9	FAT PERCENT NON-HEX EXT	1.4 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8415	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	16.6	0.8	FAT PERCENT NON-HEX EXT	1.3 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8407	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.2	1.9	FAT PERCENT NON-HEX EXT	1.1 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	841A	10/30/84	COHO SALMON	SKIN ON FILLET	U	5	20.67	1.2	FAT PERCENT NON-HEX EXT	3.6 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	841B	10/30/84	COHO SALMON	SKIN ON FILLET	U	5	16.93	0.65	FAT PERCENT NON-HEX EXT	3.3 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	841C	10/30/84	COHO SALMON	SKIN ON FILLET	U	4	23.78	2.5	FAT PERCENT NON-HEX EXT	2 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8524	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	19.88	1.7	FAT PERCENT NON-HEX EXT	7.2 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	850C	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	17.75	1.25	FAT PERCENT NON-HEX EXT	6.4 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	850E	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	26.45	3.75	FAT PERCENT NON-HEX EXT	6 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	851D	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	14.69	0.5	FAT PERCENT NON-HEX EXT	6 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	851C	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	14.28	0.55	FAT PERCENT NON-HEX EXT	5.9 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8521	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	16.14	0.75	FAT PERCENT NON-HEX EXT	5.3 M %
605027	SHEBOYGAN RIVER KIWANIS PARK	8539	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	20.98	1.48	FAT PERCENT NON-HEX EXT	4.2 M %

WDNR Fish Tissue Dataset

Location		Collection	Fish Type	Fish: Form	Num. In	Length	Weight	Result	Qual.				
Code	Site Name	Field #	Description	Description	Sex	Sample	(Inches)	(kg)	Amount	Code	Units		
									Storat	Parameter	Description		
605027	SHEBOYGAN RIVER KIWANIS PARK	850B	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	15.6	0.7	FAT PERCENT NON-HEX EXT	4	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8535	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	16.85	1	FAT PERCENT NON-HEX EXT	3.8	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8519	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	24.8	3.15	FAT PERCENT NON-HEX EXT	3.6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	851E	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	15.5	0.7	FAT PERCENT NON-HEX EXT	3.6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8525	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	22.83	2.25	FAT PERCENT NON-HEX EXT	3.6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	850D	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	26.2	3.7	FAT PERCENT NON-HEX EXT	3.4	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8517	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	15.55	0.75	FAT PERCENT NON-HEX EXT	3	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8523	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	16.93	0.95	FAT PERCENT NON-HEX EXT	2.9	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8528	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	24.41	2.7	FAT PERCENT NON-HEX EXT	2.7	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	852D	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	23.19	1.92	FAT PERCENT NON-HEX EXT	2.5	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	851F	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	15.75	0.75	FAT PERCENT NON-HEX EXT	2.4	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8537	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	18.15	0.91	FAT PERCENT NON-HEX EXT	2.3	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8536	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	17.24	0.95	FAT PERCENT NON-HEX EXT	2.2	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8526	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	23.23	2.1	FAT PERCENT NON-HEX EXT	2.1	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	853A	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	22.09	1.68	FAT PERCENT NON-HEX EXT	2.1	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	851A	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	25.2	3.3	FAT PERCENT NON-HEX EXT	2	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8518	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	24.41	2.6	FAT PERCENT NON-HEX EXT	1.7	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8527	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	24.02	2.25	FAT PERCENT NON-HEX EXT	1.7	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8520	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	16.14	0.8	FAT PERCENT NON-HEX EXT	1.4	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	852C	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	23.9	1.82	FAT PERCENT NON-HEX EXT	1	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8522	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	15.54	0.9	FAT PERCENT NON-HEX EXT	0.38	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8538	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	20.04	1.2	FAT PERCENT NON-HEX EXT	0.3	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8604	4/1/86	COHO SALMON	WHOLE FISH	U	3	5.25	0.27	FAT PERCENT NON-HEX EXT	3.9	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8602	4/1/86	COHO SALMON	SKIN ON FILLET	U	2	5.35	0.04	FAT PERCENT NON-HEX EXT	3.8	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8605	4/1/86	COHO SALMON	WHOLE FISH	U	3	5.04	0.02	FAT PERCENT NON-HEX EXT	3.7	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8603	4/1/86	COHO SALMON	WHOLE FISH	U	2	5.35	0.03	FAT PERCENT NON-HEX EXT	2.9	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8606	4/1/86	COHO SALMON	WHOLE FISH	U	3	4.57	0.01	FAT PERCENT NON-HEX EXT	2.6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8601	4/1/86	COHO SALMON	SKIN ON FILLET	U	2	6.06	0.04	FAT PERCENT NON-HEX EXT	2.4	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8607	4/14/86	COHO SALMON	WHOLE FISH	U	2	6.45	0	FAT PERCENT NON-HEX EXT	6.3	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8608	4/14/86	COHO SALMON	WHOLE FISH	U	2	5.85	0	FAT PERCENT NON-HEX EXT	4.3	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8609	4/14/86	COHO SALMON	WHOLE FISH	U	5	5.52	0	FAT PERCENT NON-HEX EXT	3.1	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	860C	4/29/86	COHO SALMON	WHOLE FISH	U	5	5.33	0	FAT PERCENT NON-HEX EXT	3.3	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	860B	4/29/86	COHO SALMON	WHOLE FISH	U	5	5.72	0	FAT PERCENT NON-HEX EXT	2.7	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	860A	4/29/86	COHO SALMON	WHOLE FISH	U	5	6.36	0	FAT PERCENT NON-HEX EXT	2.2	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	860E	5/13/86	COHO SALMON	WHOLE FISH	U	5	6.28	0	FAT PERCENT NON-HEX EXT	2.4	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	860D	5/13/86	COHO SALMON	WHOLE FISH	U	5	5.6	0	FAT PERCENT NON-HEX EXT	1.3	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8611	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	24.2	2.23	FAT PERCENT NON-HEX EXT	2.8	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8622	10/6/86	COHO SALMON	SKIN ON FILLET	M	1	26.4	2.87	FAT PERCENT NON-HEX EXT	2	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	860F	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	21.8	1.97	FAT PERCENT NON-HEX EXT	1.9	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8610	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	23.4	2.01	FAT PERCENT NON-HEX EXT	1.6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8620	10/6/86	COHO SALMON	SKIN ON FILLET	F	1	26	2.61	FAT PERCENT NON-HEX EXT	1.5	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8623	10/6/86	COHO SALMON	SKIN ON FILLET	F	1	27	3.04	FAT PERCENT NON-HEX EXT	1.1	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8621	10/6/86	COHO SALMON	SKIN ON FILLET	F	1	26.2	2.9	FAT PERCENT NON-HEX EXT	1	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8701	10/15/87	COHO SALMON	EGGS	U	1	0	0	FAT PERCENT NON-HEX EXT	7.9	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8826	10/21/88	COHO SALMON	SKIN ON FILLET	M	5	26.9	3.3	FAT PERCENT NON-HEX EXT	3.3	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8828	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	25.6	3	FAT PERCENT NON-HEX EXT	2.2	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8827	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	24.1	2.49	FAT PERCENT NON-HEX EXT	1.5	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9001	11/7/90	COHO SALMON	SKIN ON FILLET	M	1	26.2	2.81	FAT PERCENT NON-HEX EXT	2.3	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9201	9/30/92	COHO SALMON	SKIN ON FILLET	U	1	13.3	0.44	FAT PERCENT NON-HEX EXT	8.5	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9202	9/30/92	COHO SALMON	WHOLE FISH	U	1	13.3	0.44	FAT PERCENT NON-HEX EXT	6.2	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9208	9/30/92	COHO SALMON	WHOLE FISH	M	1	14.4	0.57	FAT PERCENT NON-HEX EXT	6	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9204	9/30/92	COHO SALMON	WHOLE FISH	M	1	13.6	0.5	FAT PERCENT NON-HEX EXT	5.6	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9206	9/30/92	COHO SALMON	WHOLE FISH	M	1	14.3	0.45	FAT PERCENT NON-HEX EXT	5.3	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9222	9/30/92	COHO SALMON	WHOLE FISH	M	1	14.9	0.72	FAT PERCENT NON-HEX EXT	5.3	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9234	9/30/92	COHO SALMON	WHOLE FISH	M	1	18.3	1.02	FAT PERCENT NON-HEX EXT	5.3	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9232	9/30/92	COHO SALMON	WHOLE FISH	M	1	16.8	0.85	FAT PERCENT NON-HEX EXT	5.1	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9210	9/30/92	COHO SALMON	WHOLE FISH	M	1	14.4	0.58	FAT PERCENT NON-HEX EXT	5	1	%

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. in Sample	Length (inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605027	SHEBOYGAN RIVER KIWANIS PARK	9224	9/30/92	COHO SALMON	WHOLE FISH	M	1	15.2	0.75	FAT PERCENT NON-HEX EXT	4.7	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9228	9/30/92	COHO SALMON	WHOLE FISH	M	1	16	0.81	FAT PERCENT NON-HEX EXT	4.4	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9233	9/30/92	COHO SALMON	SKIN ON FILLET	M	1	18.3	1.02	FAT PERCENT NON-HEX EXT	4.1	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9226	9/30/92	COHO SALMON	WHOLE FISH	M	1	16	0.73	FAT PERCENT NON-HEX EXT	3.9	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9230	9/30/92	COHO SALMON	WHOLE FISH	M	1	16.4	0.74	FAT PERCENT NON-HEX EXT	3.8	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9203	9/30/92	COHO SALMON	SKIN ON FILLET	U	1	13.6	0.5	FAT PERCENT NON-HEX EXT	3.7	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9227	9/30/92	COHO SALMON	SKIN ON FILLET	M	1	16	0.81	FAT PERCENT NON-HEX EXT	3.6	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9207	9/30/92	COHO SALMON	SKIN ON FILLET	M	1	14.4	0.57	FAT PERCENT NON-HEX EXT	3.5	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9223	9/30/92	COHO SALMON	SKIN ON FILLET	M	1	15.2	0.75	FAT PERCENT NON-HEX EXT	3.1	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9205	9/30/92	COHO SALMON	SKIN ON FILLET	M	1	14.3	0.45	FAT PERCENT NON-HEX EXT	2.8	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9231	9/30/92	COHO SALMON	SKIN ON FILLET	M	1	16.8	0.85	FAT PERCENT NON-HEX EXT	2.8	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9221	9/30/92	COHO SALMON	SKIN ON FILLET	M	1	14.9	0.72	FAT PERCENT NON-HEX EXT	2.5	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9209	9/30/92	COHO SALMON	SKIN ON FILLET	M	1	14.4	0.58	FAT PERCENT NON-HEX EXT	2.4	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9225	9/30/92	COHO SALMON	SKIN ON FILLET	M	1	16	0.73	FAT PERCENT NON-HEX EXT	2.2	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9229	9/30/92	COHO SALMON	SKIN ON FILLET	M	1	16.4	0.74	FAT PERCENT NON-HEX EXT	1.7	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9212	11/9/92	COHO SALMON	WHOLE FISH	U	8	4.9	0.2	FAT PERCENT NON-HEX EXT	8.3	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9214	11/9/92	COHO SALMON	WHOLE FISH	U	8	5.31	0.02	FAT PERCENT NON-HEX EXT	8	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9215	11/9/92	COHO SALMON	WHOLE FISH	U	9	5.7	0.01	FAT PERCENT NON-HEX EXT	7.2	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9213	11/9/92	COHO SALMON	WHOLE FISH	U	8	5.31	0.2	FAT PERCENT NON-HEX EXT	6.5	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9211	11/9/92	COHO SALMON	WHOLE FISH	U	8	4.5	0.01	FAT PERCENT NON-HEX EXT	5.4	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9306	9/14/93	COHO SALMON	WHOLE FISH	F	1	27.3	3.86	FAT PERCENT NON-HEX EXT	8.4	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9302	9/14/93	COHO SALMON	WHOLE FISH	F	1	23.6	2.73	FAT PERCENT NON-HEX EXT	7.4	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9304	9/14/93	COHO SALMON	WHOLE FISH	F	1	25.7	3.41	FAT PERCENT NON-HEX EXT	5.9	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9305	9/14/93	COHO SALMON	SKIN ON FILLET	F	1	27.3	3.86	FAT PERCENT NON-HEX EXT	5.3	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9301	9/14/93	COHO SALMON	SKIN ON FILLET	F	1	23.6	2.73	FAT PERCENT NON-HEX EXT	4.5	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9303	9/14/93	COHO SALMON	SKIN ON FILLET	F	1	25.7	3.41	FAT PERCENT NON-HEX EXT	3.7	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9308	9/22/93	COHO SALMON	WHOLE FISH	M	1	13.2	0.41	FAT PERCENT NON-HEX EXT	6.9	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9316	9/22/93	COHO SALMON	WHOLE FISH	M	1	17.2	1.09	FAT PERCENT NON-HEX EXT	6.8	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9312	9/22/93	COHO SALMON	WHOLE FISH	M	1	15.5	0.64	FAT PERCENT NON-HEX EXT	5.4	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9315	9/22/93	COHO SALMON	SKIN ON FILLET	M	1	17.2	1.09	FAT PERCENT NON-HEX EXT	5	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9310	9/22/93	COHO SALMON	WHOLE FISH	M	1	14.2	0.45	FAT PERCENT NON-HEX EXT	4.9	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9313	9/22/93	COHO SALMON	SKIN ON FILLET	M	1	15.8	0.59	FAT PERCENT NON-HEX EXT	4	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9311	9/22/93	COHO SALMON	SKIN ON FILLET	M	1	15.5	0.64	FAT PERCENT NON-HEX EXT	3.7	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9307	9/22/93	COHO SALMON	SKIN ON FILLET	M	1	13.2	0.41	FAT PERCENT NON-HEX EXT	3.3	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9314	9/22/93	COHO SALMON	WHOLE FISH	M	1	15.8	0.59	FAT PERCENT NON-HEX EXT	3.2	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9309	9/22/93	COHO SALMON	SKIN ON FILLET	M	1	14.2	0.45	FAT PERCENT NON-HEX EXT	2.4	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8401	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	24.4	2.44	HEXACHLOROBENZENE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8402	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	23.2	2.28	HEXACHLOROBENZENE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8403	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	24.6	2.96	HEXACHLOROBENZENE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	860F	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	21.8	1.97	HEXACHLOROBENZENE	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8610	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	23.4	2.01	HEXACHLOROBENZENE	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8611	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	24.2	2.23	HEXACHLOROBENZENE	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8826	10/21/88	COHO SALMON	SKIN ON FILLET	M	5	26.9	3.3	HEXACHLOROBENZENE	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8827	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	24.1	2.49	HEXACHLOROBENZENE	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8828	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	25.8	3	HEXACHLOROBENZENE	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9001	11/7/90	COHO SALMON	SKIN ON FILLET	M	1	26.2	2.81	HEXACHLOROBENZENE	0.01	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8826	10/21/88	COHO SALMON	SKIN ON FILLET	M	5	26.9	3.3	NONACHLOR TRANS	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8827	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	24.1	2.49	NONACHLOR TRANS	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8828	10/21/88	COHO SALMON	SKIN ON FILLET	F	5	25.6	3	NONACHLOR TRANS	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9001	11/7/90	COHO SALMON	SKIN ON FILLET	M	1	26.2	2.81	NONACHLOR TRANS	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8401	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	24.4	2.44	NONACHLOR TRANS FISH	0.01	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8403	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	24.6	2.96	NONACHLOR TRANS FISH	0.01	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8409	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.4	2.7	NONACHLOR TRANS FISH	0.06	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8404	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.3	1.9	NONACHLOR TRANS FISH	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8405	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.8	2.6	NONACHLOR TRANS FISH	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8406	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.2	2.2	NONACHLOR TRANS FISH	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8407	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.2	1.9	NONACHLOR TRANS FISH	0.05	4	UG/G



WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storat Parameter Description	Result Amount	Qual. Code	Units
605027	SHEBOYGAN RIVER KIWANIS PARK	8408	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.7	2.25	NONACHLOR TRANS FISH	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840A	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	27.7	2.8	NONACHLOR TRANS FISH	0.05	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840B	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23	2.3	NONACHLOR TRANS FISH	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8517	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	15.55	0.75	NONACHLOR TRANS FISH	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	860F	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	21.8	1.97	NONACHLOR TRANS FISH	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8610	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	23.4	2.01	NONACHLOR TRANS FISH	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8611	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	24.2	2.23	NONACHLOR TRANS FISH	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9201	9/30/92	COHO SALMON	SKIN ON FILLET	U	1	13.3	0.44	PCB 1242/1254 TISSUE	1.4	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9206	9/30/92	COHO SALMON	WHOLE FISH	M	1	14.3	0.45	PCB 1242/1254 TISSUE	1.3	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9233	9/30/92	COHO SALMON	SKIN ON FILLET	M	1	18.3	1.02	PCB 1242/1254 TISSUE	1.3	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9230	9/30/92	COHO SALMON	WHOLE FISH	M	1	16.4	0.74	PCB 1242/1254 TISSUE	1.1	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9210	9/30/92	COHO SALMON	WHOLE FISH	M	1	14.4	0.58	PCB 1242/1254 TISSUE	1	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9234	9/30/92	COHO SALMON	WHOLE FISH	M	1	18.3	1.02	PCB 1242/1254 TISSUE	0.99	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9205	9/30/92	COHO SALMON	SKIN ON FILLET	M	1	14.3	0.45	PCB 1242/1254 TISSUE	0.82	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9232	9/30/92	COHO SALMON	WHOLE FISH	M	1	16.8	0.85	PCB 1242/1254 TISSUE	0.73	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9226	9/30/92	COHO SALMON	WHOLE FISH	M	1	16	0.73	PCB 1242/1254 TISSUE	0.68	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9208	9/30/92	COHO SALMON	WHOLE FISH	M	1	14.4	0.57	PCB 1242/1254 TISSUE	0.63	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9204	9/30/92	COHO SALMON	WHOLE FISH	M	1	13.6	0.5	PCB 1242/1254 TISSUE	0.6	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9229	9/30/92	COHO SALMON	SKIN ON FILLET	M	1	16.4	0.74	PCB 1242/1254 TISSUE	0.6	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9209	9/30/92	COHO SALMON	SKIN ON FILLET	M	1	14.4	0.58	PCB 1242/1254 TISSUE	0.5	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9203	9/30/92	COHO SALMON	SKIN ON FILLET	U	1	13.6	0.5	PCB 1242/1254 TISSUE	0.49	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9225	9/30/92	COHO SALMON	SKIN ON FILLET	M	1	16	0.73	PCB 1242/1254 TISSUE	0.48	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9228	9/30/92	COHO SALMON	WHOLE FISH	M	1	16	0.81	PCB 1242/1254 TISSUE	0.42	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9231	9/30/92	COHO SALMON	SKIN ON FILLET	M	1	16.8	0.85	PCB 1242/1254 TISSUE	0.39	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9207	9/30/92	COHO SALMON	SKIN ON FILLET	M	1	14.4	0.57	PCB 1242/1254 TISSUE	0.38	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9223	9/30/92	COHO SALMON	SKIN ON FILLET	M	1	15.2	0.75	PCB 1242/1254 TISSUE	0.33	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9224	9/30/92	COHO SALMON	WHOLE FISH	M	1	15.2	0.75	PCB 1242/1254 TISSUE	0.32	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9227	9/30/92	COHO SALMON	SKIN ON FILLET	M	1	16	0.81	PCB 1242/1254 TISSUE	0.29	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9211	11/9/92	COHO SALMON	WHOLE FISH	U	8	4.5	0.01	PCB 1242/1254 TISSUE	2	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9214	11/9/92	COHO SALMON	WHOLE FISH	U	8	5.31	0.02	PCB 1242/1254 TISSUE	2	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9212	11/9/92	COHO SALMON	WHOLE FISH	U	8	4.9	0.2	PCB 1242/1254 TISSUE	1.4	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9213	11/9/92	COHO SALMON	WHOLE FISH	U	8	5.31	0.2	PCB 1242/1254 TISSUE	1.4	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9215	11/9/92	COHO SALMON	WHOLE FISH	U	9	5.7	0.01	PCB 1242/1254 TISSUE	1.4	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9222	9/30/92	COHO SALMON	WHOLE FISH	M	1	14.9	0.72	PCB 1242/1254/1260	0.34	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9221	9/30/92	COHO SALMON	SKIN ON FILLET	M	1	14.9	0.72	PCB 1242/1254/1260	0.24	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8622	10/6/86	COHO SALMON	SKIN ON FILLET	M	1	26.4	2.87	PCB 1248/1254	0.87	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8621	10/6/86	COHO SALMON	SKIN ON FILLET	F	1	26.2	2.9	PCB 1248/1254	0.68	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8620	10/6/86	COHO SALMON	SKIN ON FILLET	F	1	26	2.61	PCB 1248/1254	0.5	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9302	9/14/93	COHO SALMON	WHOLE FISH	F	1	23.6	2.73	PCB 1248/1254	0.8	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9202	9/30/92	COHO SALMON	WHOLE FISH	U	1	13.3	0.44	PCB 1254/1260	0.25	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9305	9/14/93	COHO SALMON	SKIN ON FILLET	F	1	27.3	3.86	PCB 1254/1260	1.1	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9301	9/14/93	COHO SALMON	SKIN ON FILLET	F	1	23.6	2.73	PCB 1254/1260	0.88	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9303	9/14/93	COHO SALMON	SKIN ON FILLET	F	1	25.7	3.41	PCB 1254/1260	0.81	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9307	9/22/93	COHO SALMON	SKIN ON FILLET	M	1	13.2	0.41	PCB 1254/1260	0.56	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9313	9/22/93	COHO SALMON	SKIN ON FILLET	M	1	15.8	0.59	PCB 1254/1260	0.51	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9309	9/22/93	COHO SALMON	SKIN ON FILLET	M	1	14.2	0.45	PCB 1254/1260	0.14	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8623	10/6/86	COHO SALMON	SKIN ON FILLET	F	1	27	3.04	PCB 1260	0.33	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8226	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	28.3	3.8	PCB TOTAL	3.8	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	821C	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	15.4	0.65	PCB TOTAL	3	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	821D	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	15.5	0.65	PCB TOTAL	1.7	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8225	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	26.6	3.5	PCB TOTAL	1.4	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8220	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	24.5	2.35	PCB TOTAL	1.1	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	821E	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	21.1	1.6	PCB TOTAL	0.96	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8221	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	24.7	3.05	PCB TOTAL	0.8	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8224	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	26.4	3	PCB TOTAL	0.72	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8222	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	24.8	2.8	PCB TOTAL	0.57	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	821F	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	23.7	2.3	PCB TOTAL	0.43	M	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605027	SHEBOYGAN RIVER KIWANIS PARK	8223	10/27/82	COHO SALMON	SKIN ON FILLET	U	1	25.6	3.15	PCB TOTAL	0.41	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8401	9/27/84	COHO SALMON	SKIN ON FILLET	U	5	24.4	2.44	PCB TOTAL	0.22	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8409	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.4	2.7	PCB TOTAL	2.3	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840A	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	27.7	2.8	PCB TOTAL	1.8	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8405	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.8	2.6	PCB TOTAL	1.2	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8404	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.3	1.9	PCB TOTAL	1.1	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840B	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23	2.3	PCB TOTAL	0.95	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8417	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	15.8	0.8	PCB TOTAL	0.72	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8406	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.2	2.2	PCB TOTAL	0.7	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8416	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	19.9	1.4	PCB TOTAL	0.58	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8408	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	23.7	2.25	PCB TOTAL	0.45	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8415	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	16.6	0.8	PCB TOTAL	0.4	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8407	10/19/84	COHO SALMON	SKIN ON FILLET	U	1	24.2	1.9	PCB TOTAL	0.3	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	841A	10/30/84	COHO SALMON	SKIN ON FILLET	U	5	20.67	1.2	PCB TOTAL	1.3	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	841C	10/30/84	COHO SALMON	SKIN ON FILLET	U	4	23.78	2.5	PCB TOTAL	1.3	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	841B	10/30/84	COHO SALMON	SKIN ON FILLET	U	5	16.93	0.85	PCB TOTAL	0.86	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8519	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	24.8	3.15	PCB TOTAL	2.7	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	851D	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	14.69	0.5	PCB TOTAL	2	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	852D	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	23.19	1.92	PCB TOTAL	1.4	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	850E	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	26.45	3.75	PCB TOTAL	1.3	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	850D	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	26.2	3.7	PCB TOTAL	1.2	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	851C	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	14.28	0.55	PCB TOTAL	1.1	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8539	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	20.98	1.48	PCB TOTAL	1.1	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8521	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	16.14	0.75	PCB TOTAL	1	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8522	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	15.54	0.9	PCB TOTAL	0.82	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8528	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	24.41	2.7	PCB TOTAL	0.72	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8537	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	18.15	0.91	PCB TOTAL	0.72	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	851A	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	25.2	3.3	PCB TOTAL	0.68	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8524	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	19.88	1.7	PCB TOTAL	0.63	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8526	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	23.23	2.1	PCB TOTAL	0.63	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8523	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	16.93	0.95	PCB TOTAL	0.51	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8535	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	16.85	1	PCB TOTAL	0.51	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8536	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	17.24	0.95	PCB TOTAL	0.48	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	851F	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	15.75	0.75	PCB TOTAL	0.46	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	852C	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	23.9	1.82	PCB TOTAL	0.42	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8517	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	15.55	0.75	PCB TOTAL	0.41	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	850B	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	15.6	0.7	PCB TOTAL	0.4	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8525	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	22.83	2.25	PCB TOTAL	0.38	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8518	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	24.41	2.8	PCB TOTAL	0.37	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	851E	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	15.5	0.7	PCB TOTAL	0.36	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8527	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	24.02	2.25	PCB TOTAL	0.28	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	853A	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	22.09	1.66	PCB TOTAL	0.28	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8520	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	16.14	0.8	PCB TOTAL	0.26	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	850C	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	17.75	1.25	PCB TOTAL	0.25	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8538	9/25/85	COHO SALMON	SKIN ON FILLET	U	1	20.04	1.2	PCB TOTAL	0.2	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8606	4/1/86	COHO SALMON	WHOLE FISH	U	3	4.57	0.01	PCB TOTAL	2.2	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8605	4/1/86	COHO SALMON	WHOLE FISH	U	3	5.04	0.02	PCB TOTAL	1.8	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8604	4/1/86	COHO SALMON	WHOLE FISH	U	3	5.25	0.27	PCB TOTAL	1.1	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8603	4/1/86	COHO SALMON	WHOLE FISH	U	2	5.35	0.03	PCB TOTAL	0.69	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8602	4/1/86	COHO SALMON	SKIN ON FILLET	U	2	5.35	0.04	PCB TOTAL	0.4	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8601	4/1/86	COHO SALMON	SKIN ON FILLET	U	2	6.06	0.04	PCB TOTAL	0.3	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8609	4/14/86	COHO SALMON	WHOLE FISH	U	5	5.52	0	PCB TOTAL	3	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8607	4/14/86	COHO SALMON	WHOLE FISH	U	2	6.45	0	PCB TOTAL	2.4	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8608	4/14/86	COHO SALMON	WHOLE FISH	U	2	5.85	0	PCB TOTAL	2	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	860A	4/29/86	COHO SALMON	WHOLE FISH	U	5	6.36	0	PCB TOTAL	3.7	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	860C	4/29/86	COHO SALMON	WHOLE FISH	U	5	5.33	0	PCB TOTAL	2.5	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	860B	4/29/86	COHO SALMON	WHOLE FISH	U	5	5.72	0	PCB TOTAL	1.6	M	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605027	SHEBOYGAN RIVER KIWANIS PARK	860D	5/13/86	COHO SALMON	WHOLE FISH	U	5	5.8	0	PCB TOTAL	5.1	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	860E	5/13/86	COHO SALMON	WHOLE FISH	U	5	6.28	0	PCB TOTAL	4.5	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8611	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	24.2	2.23	PCB TOTAL	0.87	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8610	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	23.4	2.01	PCB TOTAL	0.78	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	860F	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	21.8	1.97	PCB TOTAL	0.7	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8701	10/15/87	COHO SALMON	EGGS	U	1	0	0	PCB TOTAL	1.4	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9315	9/22/93	COHO SALMON	SKIN ON FILLET	M	1	17.2	1.09	PCB TOTAL	0.56	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9311	9/22/93	COHO SALMON	SKIN ON FILLET	M	1	15.5	0.64	PCB TOTAL	0.44	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	860F	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	21.8	1.97	PENTACHLOROPHENOL	0.02	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8610	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	23.4	2.01	PENTACHLOROPHENOL	0.02	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8611	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	24.2	2.23	PENTACHLOROPHENOL	0.02	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	860F	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	21.8	1.97	TOXAPHENE-LIKE COMPOUNDS	1	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8610	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	23.4	2.01	TOXAPHENE-LIKE COMPOUNDS	1	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8611	10/6/86	COHO SALMON	SKIN ON FILLET	U	5	24.2	2.23	TOXAPHENE-LIKE COMPOUNDS	1	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8101	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	14	0.75	ALPHA-CHLORDANE	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8102	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	15.9	1	ALPHA-CHLORDANE	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8103	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	23.54	2.95	ALPHA-CHLORDANE	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8301	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	25.1	2.5	ALPHA-CHLORDANE	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8302	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	26.9	3.55	ALPHA-CHLORDANE	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8303	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	27.1	3.2	ALPHA-CHLORDANE	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8101	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	14	0.75	BHC ALPHA	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8102	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	15.9	1	BHC ALPHA	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8103	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	23.54	2.95	BHC ALPHA	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8101	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	14	0.75	BHC GAMMA (LINDANE)	0	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8102	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	15.9	1	BHC GAMMA (LINDANE)	0	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8103	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	23.54	2.95	BHC GAMMA (LINDANE)	0	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8101	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	14	0.75	CHLORDANE GAMMA	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8102	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	15.9	1	CHLORDANE GAMMA	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8103	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	23.54	2.95	CHLORDANE GAMMA	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8301	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	25.1	2.5	CHLORDANE GAMMA	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8302	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	26.9	3.55	CHLORDANE GAMMA	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8303	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	27.1	3.2	CHLORDANE GAMMA	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8101	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	14	0.75	CIS-NONACHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8102	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	15.9	1	CIS-NONACHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8103	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	23.54	2.95	CIS-NONACHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8301	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	25.1	2.5	CIS-NONACHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8302	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	26.9	3.55	CIS-NONACHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8303	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	27.1	3.2	CIS-NONACHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8103	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	23.54	2.95	DDD P P	0.02	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8101	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	14	0.75	DDD P P	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8102	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	15.9	1	DDD P P	0.01	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8103	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	23.54	2.95	DDE P P	0.53	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8102	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	15.9	1	DDE P P	0.23	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8101	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	14	0.75	DDE P P	0.05	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8103	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	23.54	2.95	DDT P P	0.04	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8102	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	15.9	1	DDT P P	0.02	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8101	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	14	0.75	DDT P P	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8101	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	14	0.75	DIELDRIN	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8102	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	15.9	1	DIELDRIN	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8103	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	23.54	2.95	DIELDRIN	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8302	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	26.9	3.55	DIELDRIN	0.08	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8303	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	27.1	3.2	DIELDRIN	0.07	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8301	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	25.1	2.5	DIELDRIN	0.03	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8101	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	14	0.75	ENDRIN	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8102	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	15.9	1	ENDRIN	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8103	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	23.54	2.95	ENDRIN	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7601	6/24/76	COHO SALMON	SKIN ON FILLET	U	1	18.4	0	FAT PERCENT NON-HEX EXT	5.7	M	%

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Store Parameter Description	Result Amount	Qual. Code	Units
605024	SHEBOYGAN RIVER MOUTH	7822	9/12/78	COHO SALMON	SKIN ON FILLET	U	3	24.5	0	FAT PERCENT NON-HEX EXT	10	M	%
605024	SHEBOYGAN RIVER MOUTH	7821	9/12/78	COHO SALMON	SKIN ON FILLET	U	5	21	0	FAT PERCENT NON-HEX EXT	9.8	M	%
605024	SHEBOYGAN RIVER MOUTH	7901	2/28/79	COHO SALMON	SKIN ON FILLET	U	1	16	0	FAT PERCENT NON-HEX EXT	2.1	M	%
605024	SHEBOYGAN RIVER MOUTH	790C	10/4/79	COHO SALMON	SKIN ON FILLET	U	4	24.8	2.9	FAT PERCENT NON-HEX EXT	5.1	M	%
605024	SHEBOYGAN RIVER MOUTH	790A	10/4/79	COHO SALMON	SKIN ON FILLET	U	1	19	1.2	FAT PERCENT NON-HEX EXT	3.1	M	%
605024	SHEBOYGAN RIVER MOUTH	790B	10/4/79	COHO SALMON	SKIN ON FILLET	U	2	22	1.8	FAT PERCENT NON-HEX EXT	3	M	%
605024	SHEBOYGAN RIVER MOUTH	7915	10/9/79	COHO SALMON	SKIN ON FILLET	U	1	22.6	2.3	FAT PERCENT NON-HEX EXT	5.9	M	%
605024	SHEBOYGAN RIVER MOUTH	7918	10/31/79	COHO SALMON	SKIN ON FILLET	U	2	20	1.9	FAT PERCENT NON-HEX EXT	5	M	%
605024	SHEBOYGAN RIVER MOUTH	7916	10/31/79	COHO SALMON	SKIN ON FILLET	U	2	23	2.7	FAT PERCENT NON-HEX EXT	3.7	M	%
605024	SHEBOYGAN RIVER MOUTH	7917	10/31/79	COHO SALMON	SKIN ON FILLET	U	1	25.2	3.6	FAT PERCENT NON-HEX EXT	2.4	M	%
605024	SHEBOYGAN RIVER MOUTH	8102	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	15.9	1	FAT PERCENT NON-HEX EXT	5.6	M	%
605024	SHEBOYGAN RIVER MOUTH	8101	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	14	0.75	FAT PERCENT NON-HEX EXT	4.4	M	%
605024	SHEBOYGAN RIVER MOUTH	8103	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	23.54	2.95	FAT PERCENT NON-HEX EXT	2	M	%
605024	SHEBOYGAN RIVER MOUTH	810E	11/11/81	COHO SALMON	SKIN ON FILLET	U	2	25.4	2.1	FAT PERCENT NON-HEX EXT	1.6	M	%
605024	SHEBOYGAN RIVER MOUTH	8205	9/22/82	COHO SALMON	SKIN ON FILLET	U	3	15.6	0.7	FAT PERCENT NON-HEX EXT	4.6	M	%
605024	SHEBOYGAN RIVER MOUTH	8209	9/22/82	COHO SALMON	SKIN ON FILLET	U	1	26.9	3.5	FAT PERCENT NON-HEX EXT	2.4	M	%
605024	SHEBOYGAN RIVER MOUTH	820A	9/22/82	COHO SALMON	SKIN ON FILLET	U	1	23.4	2.6	FAT PERCENT NON-HEX EXT	2.1	M	%
605024	SHEBOYGAN RIVER MOUTH	8303	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	27.1	3.2	FAT PERCENT NON-HEX EXT	8.8	M	%
605024	SHEBOYGAN RIVER MOUTH	8307	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	26.9	3.2	FAT PERCENT NON-HEX EXT	5.6	M	%
605024	SHEBOYGAN RIVER MOUTH	8302	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	26.9	3.55	FAT PERCENT NON-HEX EXT	5.1	M	%
605024	SHEBOYGAN RIVER MOUTH	8301	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	25.1	2.5	FAT PERCENT NON-HEX EXT	3.3	M	%
605024	SHEBOYGAN RIVER MOUTH	8101	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	14	0.75	HEXACHLOROBENZENE	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8102	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	15.9	1	HEXACHLOROBENZENE	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8103	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	23.54	2.95	HEXACHLOROBENZENE	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8103	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	23.54	2.95	MERCURY FISH AND TISSUE	0.24	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8101	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	14	0.75	MERCURY FISH AND TISSUE	0.03	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8102	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	15.9	1	MERCURY FISH AND TISSUE	0.03	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8101	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	14	0.75	NONACHLOR TRANS FISH	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8102	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	15.9	1	NONACHLOR TRANS FISH	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8103	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	23.54	2.95	NONACHLOR TRANS FISH	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8302	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	26.9	3.55	NONACHLOR TRANS FISH	0.1	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8303	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	27.1	3.2	NONACHLOR TRANS FISH	0.09	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8301	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	25.1	2.5	NONACHLOR TRANS FISH	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7801	8/24/78	COHO SALMON	SKIN ON FILLET	U	1	18.4	0	PCB TOTAL	26	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7822	9/12/78	COHO SALMON	SKIN ON FILLET	U	3	24.5	0	PCB TOTAL	8.8	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7821	9/12/78	COHO SALMON	SKIN ON FILLET	U	5	21	0	PCB TOTAL	6.3	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7901	2/28/79	COHO SALMON	SKIN ON FILLET	U	1	16	0	PCB TOTAL	4.3	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	790C	10/4/79	COHO SALMON	SKIN ON FILLET	U	4	24.8	2.9	PCB TOTAL	3.5	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	790B	10/4/79	COHO SALMON	SKIN ON FILLET	U	2	22	1.8	PCB TOTAL	1.6	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	790A	10/4/79	COHO SALMON	SKIN ON FILLET	U	1	19	1.2	PCB TOTAL	0.95	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7915	10/9/79	COHO SALMON	SKIN ON FILLET	U	1	22.6	2.3	PCB TOTAL	3.5	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7918	10/31/79	COHO SALMON	SKIN ON FILLET	U	2	20	1.9	PCB TOTAL	3.3	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7916	10/31/79	COHO SALMON	SKIN ON FILLET	U	2	23	2.7	PCB TOTAL	2.5	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7917	10/31/79	COHO SALMON	SKIN ON FILLET	U	1	25.2	3.6	PCB TOTAL	1.8	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8103	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	23.54	2.95	PCB TOTAL	1.63	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8102	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	15.9	1	PCB TOTAL	1.2	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8101	9/29/81	COHO SALMON	SKIN ON FILLET	U	2	14	0.75	PCB TOTAL	0.43	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	810E	11/11/81	COHO SALMON	SKIN ON FILLET	U	2	25.4	2.1	PCB TOTAL	1.8	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8209	9/22/82	COHO SALMON	SKIN ON FILLET	U	1	26.9	3.5	PCB TOTAL	1.6	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	820A	9/22/82	COHO SALMON	SKIN ON FILLET	U	1	23.4	2.6	PCB TOTAL	1.1	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8205	9/22/82	COHO SALMON	SKIN ON FILLET	U	3	15.6	0.7	PCB TOTAL	0.96	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8302	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	26.9	3.55	PCB TOTAL	2.5	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8303	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	27.1	3.2	PCB TOTAL	1.8	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8307	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	26.9	3.2	PCB TOTAL	1.2	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8301	9/22/83	COHO SALMON	SKIN ON FILLET	U	1	25.1	2.5	PCB TOTAL	0.55	M	UG/G
605033	SHEBOYGAN RIVER ABOVE JOHNSONVILLE	7806	4/28/78	COMMON SHINER	WHOLE FISH	U	60	3	0	FAT PERCENT NON-HEX EXT	2.3	M	%
605033	SHEBOYGAN RIVER ABOVE JOHNSONVILLE	7806	4/28/78	COMMON SHINER	WHOLE FISH	U	60	3	0	PCB TOTAL	0.4	M	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7803	4/28/78	COMMON SHINER	WHOLE FISH	U	12	5	0	FAT PERCENT NON-HEX EXT	2.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7803	4/28/78	COMMON SHINER	WHOLE FISH	U	12	5	0	PCB TOTAL	100	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	ALDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	ALPHA-CHLORDANE	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	ARSENIC FISH AND TISSUE	2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	BHC ALPHA	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	BHC GAMMA (LINDANE)	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	CHLORDANE GAMMA	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	CHROMIUM FISH AND TISSUE	0.8	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	CIS-NONACHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	COPPER FISH AND TISSUE	2.5	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	DDD O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	DDD P P	0.08	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	DDE O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	DDE P P	0.38	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	DDT O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	DDT P P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	DIELDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	ENDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7804	3/31/78	COMMON SHINER	WHOLE FISH	U	2	4.5	0	FAT PERCENT NON-HEX EXT	2.3	M	%
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	FAT PERCENT NON-HEX EXT	4.8	M	%
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	HEXACHLOROBENZENE	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	LEAD FISH AND TISSUE	5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	MERCURY FISH AND TISSUE	0.14	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	METHOXYCHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	NONACHLOR TRANS FISH	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7804	3/31/78	COMMON SHINER	WHOLE FISH	U	2	4.5	0	PCB TOTAL	49.8	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	PCB TOTAL	65	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7904	7/10/79	COMMON SHINER	WHOLE FISH	U	45	3	0	PENTACHLOROPHENOL	0.05	4	UG/G
605032	SHEBOYGAN RIVER COUNTY HIGHWAY O	7801	8/2/78	CRAYFISH	TAIL MUSCLE	U	12	3	0	FAT PERCENT NON-HEX EXT	0.3	M	%
605032	SHEBOYGAN RIVER COUNTY HIGHWAY O	7801	8/2/78	CRAYFISH	TAIL MUSCLE	U	12	3	0	PCB TOTAL	0.2	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8201	7/22/82	CRAYFISH	TAIL MUSCLE	U	10	2.45	0.01	FAT PERCENT NON-HEX EXT	0.6	M	%
605024	SHEBOYGAN RIVER MOUTH	8201	7/22/82	CRAYFISH	TAIL MUSCLE	U	10	2.45	0.01	PCB TOTAL	3.1	M	UG/G
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	780E	8/2/78	CRAYFISH	TAIL MUSCLE	U	13	4.5	0	FAT PERCENT NON-HEX EXT	0.2	M	%
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	780E	8/2/78	CRAYFISH	TAIL MUSCLE	U	13	4.5	0	PCB TOTAL	0.35	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9455	4/25/94	CYPRINIDAE MINNOW	WHOLE FISH	U	25	4.75	0.02	FAT PERCENT NON-HEX EXT	5.9	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9455	4/25/94	CYPRINIDAE MINNOW	WHOLE FISH	U	25	4.75	0.02	PCB 1248/1254	8.8	1	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.5	0.1	ALPHA-CHLORDANE	0.05	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	4.7	0.1	ALPHA-CHLORDANE	0.05	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.5	0.1	CHLORDANE GAMMA	0.05	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	4.7	0.1	CHLORDANE GAMMA	0.05	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.5	0.1	CIS-NONACHLOR	0.05	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	4.7	0.1	CIS-NONACHLOR	0.05	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.5	0.1	DDD O P	0.05	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	4.7	0.1	DDD O P	0.05	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.5	0.1	DDD P P	0.05	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	4.7	0.1	DDD P P	0.05	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.5	0.1	DDE O P	0.05	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	4.7	0.1	DDE O P	0.05	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.5	0.1	DDE P P	0.05	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	4.7	0.1	DDE P P	0.05	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.5	0.1	DDT O P	0.05	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	4.7	0.1	DDT O P	0.05	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.5	0.1	DDT P P	0.05	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	4.7	0.1	DDT P P	0.05	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.5	0.1	DIELDRIN	0.02	4	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	4.7	0.1	DIELDRIN	0.02	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.5	0.1	FAT PERCENT NON-HEX EXT	0.3	1	%
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	4.7	0.1	FAT PERCENT NON-HEX EXT	0.3	1	%
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.5	0.1	NONACHLOR TRANS	0.05	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	4.7	0.1	NONACHLOR TRANS	0.05	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.5	0.1	PCB TOTAL	0.2	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	4.7	0.1	PCB TOTAL	0.2	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	5.5	0.1	FAT PERCENT NON-HEX EXT	0.5	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.9	0.1	FAT PERCENT NON-HEX EXT	0.4	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.9	0.1	PCB 1248/1254	1.1	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	5.5	0.1	PCB 1248/1254	0.94	1	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.3	0.1	ALPHA-CHLORDANE	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	6	0.1	ALPHA-CHLORDANE	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.3	0.1	CHLORDANE GAMMA	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	6	0.1	CHLORDANE GAMMA	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.3	0.1	CIS-NONACHLOR	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	6	0.1	CIS-NONACHLOR	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.3	0.1	DDD O P	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	6	0.1	DDD O P	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.3	0.1	DDD P P	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	6	0.1	DDD P P	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.3	0.1	DDE O P	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	6	0.1	DDE O P	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.3	0.1	DDE P P	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	6	0.1	DDE P P	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.3	0.1	DDT O P	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	6	0.1	DDT O P	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.3	0.1	DDT P P	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	6	0.1	DDT P P	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.3	0.1	DIELDRIN	0.02	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	6	0.1	DIELDRIN	0.02	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	6	0.1	FAT PERCENT NON-HEX EXT	0.7	1	%
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.3	0.1	FAT PERCENT NON-HEX EXT	0.2	1	%
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.3	0.1	NONACHLOR TRANS	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	6	0.1	NONACHLOR TRANS	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8902	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	6	0.1	PCB 1248/1254	0.79	M	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8901	9/21/89	FRESHWATER CLAMS	SHUCKED CLAM	U	5	3.3	0.1	PCB 1248/1254	0.24	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9459	4/25/94	GOLDEN REDHORSE	SKIN ON FILLET	F	1	18.8	1.26	FAT PERCENT NON-HEX EXT	5.2	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9458	4/25/94	GOLDEN REDHORSE	SKIN ON FILLET	U	1	14.7	0.52	FAT PERCENT NON-HEX EXT	3.2	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9460	4/25/94	GOLDEN REDHORSE	SKIN ON FILLET	F	1	18.9	1.21	FAT PERCENT NON-HEX EXT	2.3	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9456	5/9/94	GOLDEN REDHORSE	SKIN ON FILLET	U	1	14.3	0.48	FAT PERCENT NON-HEX EXT	1.8	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9457	5/9/94	GOLDEN REDHORSE	SKIN ON FILLET	F	1	14.6	0.54	FAT PERCENT NON-HEX EXT	1.3	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9458	4/25/94	GOLDEN REDHORSE	SKIN ON FILLET	U	1	14.7	0.52	PCB 1248/1254	8.1	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9459	4/25/94	GOLDEN REDHORSE	SKIN ON FILLET	F	1	18.8	1.26	PCB 1248/1254	8	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9460	4/25/94	GOLDEN REDHORSE	SKIN ON FILLET	F	1	18.9	1.21	PCB 1248/1254	1.1	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9458	5/9/94	GOLDEN REDHORSE	SKIN ON FILLET	U	1	14.3	0.48	PCB 1248/1254	4	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9457	5/9/94	GOLDEN REDHORSE	SKIN ON FILLET	F	1	14.6	0.54	PCB 1248/1254	2	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8002	7/29/80	GREATER REDHORSE	WHOLE FISH	U	2	14.4	0.6	FAT PERCENT NON-HEX EXT	4.3	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9227	7/17/92	GREATER REDHORSE	WHOLE FISH	U	1	15.16	0.7	FAT PERCENT NON-HEX EXT	4	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9224	7/17/92	GREATER REDHORSE	WHOLE FISH	U	1	17.72	0.99	FAT PERCENT NON-HEX EXT	3.6	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9221	7/17/92	GREATER REDHORSE	WHOLE FISH	U	1	16.06	0.82	FAT PERCENT NON-HEX EXT	3.2	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8002	7/29/80	GREATER REDHORSE	WHOLE FISH	U	2	14.4	0.6	PCB TOTAL	79	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9224	7/17/92	GREATER REDHORSE	WHOLE FISH	U	1	17.72	0.99	PCB TOTAL	33	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9221	7/17/92	GREATER REDHORSE	WHOLE FISH	U	1	16.06	0.82	PCB TOTAL	32	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9227	7/17/92	GREATER REDHORSE	WHOLE FISH	U	1	15.16	0.7	PCB TOTAL	17	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8105	7/22/81	GREEN SUNFISH	WHOLE FISH	U	5	4.4	0.07	FAT PERCENT NON-HEX EXT	3.7	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8105	7/22/81	GREEN SUNFISH	WHOLE FISH	U	5	4.4	0.07	PCB TOTAL	46	M	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. in Sample	Length (Inches)	Weight (kg)	Store Parameter Description	Result Amount	Qual. Code	Units
605025	SHEBOYGAN RIVER HARBOR	8806	8/24/88	GREEN SUNFISH	SKIN ON FILLET	F	1	4.6	0.03	FAT PERCENT NON-HEX EXT	1.2	M	%
605025	SHEBOYGAN RIVER HARBOR	8806	8/24/88	GREEN SUNFISH	SKIN ON FILLET	F	1	4.6	0.03	PCB 1248/1254	2.4	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840D	10/19/84	LAKE TROUT	SKIN ON FILLET	U	1	26.7	2.9	ALPHA-CHLORDANE	0.08	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840D	10/19/84	LAKE TROUT	SKIN ON FILLET	U	1	26.7	2.9	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840D	10/19/84	LAKE TROUT	SKIN ON FILLET	U	1	26.7	2.9	CIS-NONACHLOR	0.08	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840D	10/19/84	LAKE TROUT	SKIN ON FILLET	U	1	26.7	2.9	DIELDRIN	0.22	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840D	10/19/84	LAKE TROUT	SKIN ON FILLET	U	1	26.7	2.9	FAT PERCENT NON-HEX EXT	18	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	840D	10/19/84	LAKE TROUT	SKIN ON FILLET	U	1	26.7	2.9	NONACHLOR TRANS FISH	0.19	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	840D	10/19/84	LAKE TROUT	SKIN ON FILLET	U	1	26.7	2.9	PCB TOTAL	3.7	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7608	8/24/76	LAKE TROUT	SKIN ON FILLET	U	1	22.7	0	FAT PERCENT NON-HEX EXT	12.2	M	%
605024	SHEBOYGAN RIVER MOUTH	7607	8/24/76	LAKE TROUT	SKIN ON FILLET	U	1	31	0	FAT PERCENT NON-HEX EXT	12.1	M	%
605024	SHEBOYGAN RIVER MOUTH	7607	8/24/76	LAKE TROUT	SKIN ON FILLET	U	1	31	0	PCB TOTAL	25	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7608	8/24/76	LAKE TROUT	SKIN ON FILLET	U	1	22.7	0	PCB TOTAL	7.9	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7605	8/24/76	LAKE WHITEFISH	SKIN ON FILLET	U	3	17	0	FAT PERCENT NON-HEX EXT	5.4	M	%
605024	SHEBOYGAN RIVER MOUTH	7605	8/24/76	LAKE WHITEFISH	SKIN ON FILLET	U	3	17	0	PCB TOTAL	7.7	M	UG/G
605033	SHEBOYGAN RIVER ABOVE JOHNSONVILLE	7804	4/28/78	LARGEMOUTH BASS	WHOLE FISH	U	1	9.5	0	FAT PERCENT NON-HEX EXT	1.6	M	%
605033	SHEBOYGAN RIVER ABOVE JOHNSONVILLE	7804	4/28/78	LARGEMOUTH BASS	WHOLE FISH	U	1	9.5	0	PCB TOTAL	0.7	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7828	10/31/78	LARGEMOUTH BASS	WHOLE FISH	U	2	11	0	FAT PERCENT NON-HEX EXT	3.6	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7828	10/31/78	LARGEMOUTH BASS	WHOLE FISH	U	2	11	0	PCB TOTAL	230	M	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9406	8/20/94	NORTHERN PIKE	SKIN ON FILLET	F	1	19.5	0.75	ALPHA-CHLORDANE	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9406	8/20/94	NORTHERN PIKE	SKIN ON FILLET	F	1	19.5	0.75	CHLORDANE GAMMA	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9406	8/20/94	NORTHERN PIKE	SKIN ON FILLET	F	1	19.5	0.75	CIS-NONACHLOR	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9406	8/20/94	NORTHERN PIKE	SKIN ON FILLET	F	1	19.5	0.75	DDD O P	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9406	8/20/94	NORTHERN PIKE	SKIN ON FILLET	F	1	19.5	0.75	DDD P P	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9406	8/20/94	NORTHERN PIKE	SKIN ON FILLET	F	1	19.5	0.75	DDE O P	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9406	8/20/94	NORTHERN PIKE	SKIN ON FILLET	F	1	19.5	0.75	DDE P P	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9406	8/20/94	NORTHERN PIKE	SKIN ON FILLET	F	1	19.5	0.75	DDT O P	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9406	8/20/94	NORTHERN PIKE	SKIN ON FILLET	F	1	19.5	0.75	DDT P P	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9406	8/20/94	NORTHERN PIKE	SKIN ON FILLET	F	1	19.5	0.75	DIELDRIN	0.02	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9406	8/20/94	NORTHERN PIKE	SKIN ON FILLET	F	1	19.5	0.75	FAT PERCENT NON-HEX EXT	0.5	1	%
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9406	8/20/94	NORTHERN PIKE	SKIN ON FILLET	F	1	19.5	0.75	MERCURY TISSUE DRY WT	0.33	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9406	8/20/94	NORTHERN PIKE	SKIN ON FILLET	F	1	19.5	0.75	NONACHLOR TRANS	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9406	8/20/94	NORTHERN PIKE	SKIN ON FILLET	F	1	19.5	0.75	PCB TISSUE	0	2	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9403	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	13	0.2	ALPHA-CHLORDANE	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9404	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	17.4	0.43	ALPHA-CHLORDANE	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9405	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	20.8	0.77	ALPHA-CHLORDANE	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9403	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	13	0.2	CHLORDANE GAMMA	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9404	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	17.4	0.43	CHLORDANE GAMMA	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9405	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	20.8	0.77	CHLORDANE GAMMA	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9403	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	13	0.2	CIS-NONACHLOR	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9404	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	17.4	0.43	CIS-NONACHLOR	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9405	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	20.8	0.77	CIS-NONACHLOR	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9403	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	13	0.2	DDD O P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9404	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	17.4	0.43	DDD O P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9405	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	20.8	0.77	DDD O P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9403	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	13	0.2	DDD P P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9404	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	17.4	0.43	DDD P P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9405	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	20.8	0.77	DDD P P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9403	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	13	0.2	DDE O P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9404	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	17.4	0.43	DDE O P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9405	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	20.8	0.77	DDE O P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9403	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	13	0.2	DDE P P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9404	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	17.4	0.43	DDE P P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9405	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	20.8	0.77	DDE P P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9403	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	13	0.2	DDT O P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9404	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	17.4	0.43	DDT O P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9405	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	20.8	0.77	DDT O P	0.05	4	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Collection Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605046	SHEBOYGAN RIVER BELOW KIEL	9403	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	13	0.2	DDT P P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9404	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	17.4	0.43	DDT P P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9405	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	20.8	0.77	DDT P P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9403	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	13	0.2	DIELDRIN	0.02	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9404	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	17.4	0.43	DIELDRIN	0.02	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9405	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	20.8	0.77	DIELDRIN	0.02	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9404	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	17.4	0.43	FAT PERCENT NON-HEX EXT	0.3	1	%
605046	SHEBOYGAN RIVER BELOW KIEL	9403	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	13	0.2	FAT PERCENT NON-HEX EXT	0.2	1	%
605046	SHEBOYGAN RIVER BELOW KIEL	9405	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	20.8	0.77	FAT PERCENT NON-HEX EXT	0.2	1	%
605046	SHEBOYGAN RIVER BELOW KIEL	9403	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	13	0.2	NONACHLOR TRANS	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9404	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	17.4	0.43	NONACHLOR TRANS	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9405	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	20.8	0.77	NONACHLOR TRANS	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9403	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	13	0.2	PCB 1254 FISH	0.043	3	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9404	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	17.4	0.43	PCB 1254 FISH	0.041	3	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9405	8/15/94	NORTHERN PIKE	SKIN ON FILLET	F	1	20.8	0.77	PCB TISSUE	0	2	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	ALDRIN	0.2	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	ALPHA-CHLORDANE	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	ARSENIC FISH AND TISSUE	2	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	BHC ALPHA	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	CHLORDANE GAMMA	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	CHROMIUM FISH AND TISSUE	0.5	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	CIS-NONACHLOR	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	COPPER FISH AND TISSUE	1	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	DDD O P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	DDD P P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	DDE O P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	DDE P P	1.1	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	DDT O P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	DDT P P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	DIELDRIN	0.02	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	ENDRIN	0.02	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7821	10/31/78	NORTHERN PIKE	WHOLE FISH	U	1	23	0	FAT PERCENT NON-HEX EXT	2.4	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7820	10/31/78	NORTHERN PIKE	WHOLE FISH	U	3	13	0	FAT PERCENT NON-HEX EXT	2.1	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	FAT PERCENT NON-HEX EXT	5.2	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8403	8/6/84	NORTHERN PIKE	SKIN ON FILLET	U	1	23.6	1.4	FAT PERCENT NON-HEX EXT	1.3	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9430	4/25/94	NORTHERN PIKE	SKIN ON FILLET	M	1	23.1	1.17	FAT PERCENT NON-HEX EXT	0.9	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9424	4/25/94	NORTHERN PIKE	SKIN ON FILLET	U	1	12.3	0.2	FAT PERCENT NON-HEX EXT	0.5	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9426	4/25/94	NORTHERN PIKE	SKIN ON FILLET	M	1	17.7	0.58	FAT PERCENT NON-HEX EXT	0.4	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9425	4/25/94	NORTHERN PIKE	SKIN ON FILLET	M	1	13.9	0.31	FAT PERCENT NON-HEX EXT	0.3	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9428	4/26/94	NORTHERN PIKE	SKIN ON FILLET	F	1	22.7	1.07	FAT PERCENT NON-HEX EXT	0.3	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9432	5/16/94	NORTHERN PIKE	SKIN ON FILLET	F	1	24.1	1.56	FAT PERCENT NON-HEX EXT	1.1	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9429	5/17/94	NORTHERN PIKE	SKIN ON FILLET	M	1	22.8	1.3	FAT PERCENT NON-HEX EXT	1.5	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9427	5/17/94	NORTHERN PIKE	SKIN ON FILLET	M	1	20.1	0.96	FAT PERCENT NON-HEX EXT	1.4	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9431	5/17/94	NORTHERN PIKE	SKIN ON FILLET	F	1	23.8	1.55	FAT PERCENT NON-HEX EXT	1.2	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9423	5/17/84	NORTHERN PIKE	SKIN ON FILLET	M	1	12.3	0.22	FAT PERCENT NON-HEX EXT	0.9	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	HEXACHLOROBENZENE	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	LEAD FISH AND TISSUE	5	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	MERCURY FISH AND TISSUE	0.27	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	METHOXYCHLOR	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	NONACHLOR TRANS FISH	0.07	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9430	4/25/94	NORTHERN PIKE	SKIN ON FILLET	M	1	23.1	1.17	PCB 1248/1254	11	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9424	4/25/94	NORTHERN PIKE	SKIN ON FILLET	U	1	12.3	0.2	PCB 1248/1254	1.5	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9425	4/25/94	NORTHERN PIKE	SKIN ON FILLET	M	1	13.9	0.31	PCB 1248/1254	0.35	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9426	4/25/94	NORTHERN PIKE	SKIN ON FILLET	M	1	17.7	0.58	PCB 1248/1254	0.1	3	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9428	4/26/94	NORTHERN PIKE	SKIN ON FILLET	F	1	22.7	1.07	PCB 1248/1254	6.2	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9432	5/16/94	NORTHERN PIKE	SKIN ON FILLET	F	1	24.1	1.56	PCB 1248/1254	5.7	1	UG/G



WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9429	5/17/94	NORTHERN PIKE	SKIN ON FILLET	M	1	22.8	1.3	PCB 1248/1254	4.1	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9431	5/17/94	NORTHERN PIKE	SKIN ON FILLET	F	1	23.8	1.55	PCB 1248/1254	2.4	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9427	5/17/94	NORTHERN PIKE	SKIN ON FILLET	M	1	20.1	0.96	PCB 1248/1254	1.7	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9423	5/17/94	NORTHERN PIKE	SKIN ON FILLET	M	1	12.3	0.22	PCB 1248/1254	0.99	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7820	10/31/78	NORTHERN PIKE	WHOLE FISH	U	3	13	0	PCB TOTAL	200	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7821	10/31/78	NORTHERN PIKE	WHOLE FISH	U	1	23	0	PCB TOTAL	130	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	PCB TOTAL	200	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8403	8/8/84	NORTHERN PIKE	SKIN ON FILLET	U	1	23.6	1.4	PCB TOTAL	12	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7908	7/10/79	NORTHERN PIKE	WHOLE FISH	U	2	20.2	0.8	PENTACHLOROPHENOL	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	7802	10/11/78	NORTHERN PIKE	WHOLE FISH	U	3	14	0	FAT PERCENT NON-HEX EXT	3	M	%
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	7802	10/11/78	NORTHERN PIKE	WHOLE FISH	U	3	14	0	PCB TOTAL	17	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8813	8/24/88	NORTHERN PIKE	SKIN ON FILLET	F	1	26.2	1.81	FAT PERCENT NON-HEX EXT	1.8	M	%
605025	SHEBOYGAN RIVER HARBOR	8811	8/24/88	NORTHERN PIKE	SKIN ON FILLET	F	1	21.9	0.98	FAT PERCENT NON-HEX EXT	1	M	%
605025	SHEBOYGAN RIVER HARBOR	8812	8/24/88	NORTHERN PIKE	SKIN ON FILLET	U	1	24.3	1.34	FAT PERCENT NON-HEX EXT	1	M	%
605025	SHEBOYGAN RIVER HARBOR	8810	8/24/88	NORTHERN PIKE	SKIN ON FILLET	U	1	21.1	0.81	FAT PERCENT NON-HEX EXT	0.5	M	%
605025	SHEBOYGAN RIVER HARBOR	8810	8/24/88	NORTHERN PIKE	SKIN ON FILLET	U	1	21.1	0.81	PCB 1248/1254	6.8	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8812	8/24/88	NORTHERN PIKE	SKIN ON FILLET	U	1	24.3	1.34	PCB 1248/1254	6.2	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8811	8/24/88	NORTHERN PIKE	SKIN ON FILLET	F	1	21.9	0.98	PCB 1248/1254	3.9	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8813	8/24/88	NORTHERN PIKE	SKIN ON FILLET	F	1	26.2	1.81	PCB 1254 FISH	3.8	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8542	9/25/85	NORTHERN PIKE	SKIN ON FILLET	U	1	18.98	0.83	FAT PERCENT NON-HEX EXT	1.8	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8549	10/2/85	NORTHERN PIKE	SKIN ON FILLET	U	1	32.2	3.86	FAT PERCENT NON-HEX EXT	1.5	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8548	10/2/85	NORTHERN PIKE	SKIN ON FILLET	U	1	20.6	0.96	FAT PERCENT NON-HEX EXT	1	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8542	9/25/85	NORTHERN PIKE	SKIN ON FILLET	U	1	18.98	0.83	PCB TOTAL	10	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8548	10/2/85	NORTHERN PIKE	SKIN ON FILLET	U	1	20.6	0.96	PCB TOTAL	2.4	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8549	10/2/85	NORTHERN PIKE	SKIN ON FILLET	U	1	32.2	3.86	PCB TOTAL	2	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7809	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	ALDRIN	0.8	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	ALDRIN	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	ALDRIN	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7809	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	ALPHA-CHLORDANE	0.14	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	ALPHA-CHLORDANE	0.08	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	ALPHA-CHLORDANE	0.08	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7702	9/9/77	NORTHERN PIKE	WHOLE FISH	U	5	21.5	0	ARSENIC FISH AND TISSUE	2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7809	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	ARSENIC FISH AND TISSUE	2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	ARSENIC FISH AND TISSUE	2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	ARSENIC FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	BHC ALPHA	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	BHC ALPHA	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7809	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	BHC GAMMA (LINDANE)	0.04	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	BHC GAMMA (LINDANE)	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	BHC GAMMA (LINDANE)	0.32	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7702	9/9/77	NORTHERN PIKE	WHOLE FISH	U	5	21.5	0	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7809	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7809	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	CHLORDANE GAMMA	0.01	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	CHLORDANE GAMMA	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	CHLORDANE GAMMA	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7702	9/9/77	NORTHERN PIKE	WHOLE FISH	U	5	21.5	0	CHROMIUM FISH AND TISSUE	0.5	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7809	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	CHROMIUM FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	CHROMIUM FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	CHROMIUM FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	CIS-NONACHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	CIS-NONACHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7702	9/9/77	NORTHERN PIKE	WHOLE FISH	U	5	21.5	0	COPPER FISH AND TISSUE	0.8	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7809	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	COPPER FISH AND TISSUE	1.3	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	COPPER FISH AND TISSUE	1.8	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	COPPER FISH AND TISSUE	1	M	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	DDD O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	DDD O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7809	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	DDD P P	0.2	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	DDD P P	0.17	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	DDD P P	0.08	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	DDE O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	DDE O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7809	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	DDE P P	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	DDE P P	0.42	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	DDE P P	1.1	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	DDT O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	DDT O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	DDT P P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	DDT P P	0.08	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7702	9/9/77	NORTHERN PIKE	WHOLE FISH	U	5	21.5	0	DIELDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7809	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	DIELDRIN	0.03	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	DIELDRIN	0.05	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	DIELDRIN	0.08	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7702	9/9/77	NORTHERN PIKE	WHOLE FISH	U	5	21.5	0	ENDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7809	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	ENDRIN	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	ENDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	ENDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7702	9/9/77	NORTHERN PIKE	WHOLE FISH	U	5	21.5	0	FAT PERCENT NON-HEX EXT	3.7	M	%
605024	SHEBOYGAN RIVER MOUTH	7809	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	FAT PERCENT NON-HEX EXT	4	M	%
605024	SHEBOYGAN RIVER MOUTH	780A	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	FAT PERCENT NON-HEX EXT	4	M	%
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	FAT PERCENT NON-HEX EXT	4	M	%
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	FAT PERCENT NON-HEX EXT	7.6	M	%
605024	SHEBOYGAN RIVER MOUTH	7809	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	HEXACHLOROBENZENE	0.04	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	HEXACHLOROBENZENE	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	HEXACHLOROBENZENE	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7702	9/9/77	NORTHERN PIKE	WHOLE FISH	U	5	21.5	0	LEAD FISH AND TISSUE	5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7809	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	LEAD FISH AND TISSUE	5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	LEAD FISH AND TISSUE	5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	LEAD FISH AND TISSUE	5	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7702	9/9/77	NORTHERN PIKE	WHOLE FISH	U	5	21.5	0	MERCURY FISH AND TISSUE	0.31	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7809	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	MERCURY FISH AND TISSUE	0.05	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	MERCURY FISH AND TISSUE	0.16	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	MERCURY FISH AND TISSUE	0.21	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7809	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	METHOXYCHLOR	1.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	METHOXYCHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	METHOXYCHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	NONACHLOR TRANS FISH	0.11	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	NONACHLOR TRANS FISH	0.15	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7702	9/9/77	NORTHERN PIKE	WHOLE FISH	U	5	21.5	0	PCB TOTAL	55	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7809	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	PCB TOTAL	65.5	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	780A	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	PCB TOTAL	62.8	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	PCB TOTAL	46	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	PCB TOTAL	57	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7809	3/31/78	NORTHERN PIKE	WHOLE FISH	U	4	23.4	0	PENTACHLOROPHENOL	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7913	10/4/79	NORTHERN PIKE	WHOLE FISH	U	6	21.6	0.9	PENTACHLOROPHENOL	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8001	9/25/80	NORTHERN PIKE	WHOLE FISH	U	2	27.9	2.75	PENTACHLOROPHENOL	0.02	4	UG/G
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	7806	4/28/78	NORTHERN PIKE	EGGS	U	4	15.8	0	FAT PERCENT NON-HEX EXT	0.4	M	%
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	7806	4/28/78	NORTHERN PIKE	EGGS	U	4	15.8	0	PCB TOTAL	1	M	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8703	5/12/87	NORTHERN REDHORSE	SKIN ON FILLET	U	1	14.9	0.52	FAT PERCENT NON-HEX EXT	0.8	M	%
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8703	5/12/87	NORTHERN REDHORSE	SKIN ON FILLET	U	1	14.9	0.52	PCB TOTAL	0.2	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9402	6/21/94	NORTHERN REDHORSE	SKIN ON FILLET	F	1	20.4	1.39	FAT PERCENT NON-HEX EXT	4.7	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9401	6/21/94	NORTHERN REDHORSE	SKIN ON FILLET	M	1	15.8	0.54	FAT PERCENT NON-HEX EXT	4	1	%

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9487	6/21/94	NORTHERN REDHORSE	SKIN ON FILLET	M	1	20.3	1.48	FAT PERCENT NON-HEX EXT	1.8	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9403	6/21/94	NORTHERN REDHORSE	SKIN ON FILLET	F	1	22.2	2.36	FAT PERCENT NON-HEX EXT	1.4	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9488	6/21/94	NORTHERN REDHORSE	SKIN ON FILLET	M	1	22	1.9	FAT PERCENT NON-HEX EXT	1.2	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9402	6/21/94	NORTHERN REDHORSE	SKIN ON FILLET	F	1	20.4	1.39	PCB 1248/1254	14	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9401	6/21/94	NORTHERN REDHORSE	SKIN ON FILLET	M	1	15.8	0.54	PCB 1248/1254	6.7	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9487	6/21/94	NORTHERN REDHORSE	SKIN ON FILLET	M	1	20.3	1.48	PCB 1248/1254	2.1	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9488	6/21/94	NORTHERN REDHORSE	SKIN ON FILLET	M	1	22	1.9	PCB 1248/1254	1.3	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9403	6/21/94	NORTHERN REDHORSE	SKIN ON FILLET	F	1	22.2	2.36	PCB 1248/1254	0.7	1	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8703	5/11/87	NORTHERN REDHORSE	SKIN ON FILLET	U	3	12.77	0.4	FAT PERCENT NON-HEX EXT	1.7	M	%
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8703	5/11/87	NORTHERN REDHORSE	SKIN ON FILLET	U	3	12.77	0.4	PCB TOTAL	7	M	UG/G
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	7801	4/24/78	NORTHERN REDHORSE	WHOLE FISH	U	10	8	0	FAT PERCENT NON-HEX EXT	2.2	M	%
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	7803	4/26/78	NORTHERN REDHORSE	SKIN ON FILLET	U	7	13.4	0	FAT PERCENT NON-HEX EXT	1.5	M	%
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	7801	4/24/78	NORTHERN REDHORSE	WHOLE FISH	U	10	8	0	PCB TOTAL	0.5	M	UG/G
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	7803	4/26/78	NORTHERN REDHORSE	SKIN ON FILLET	U	7	13.4	0	PCB TOTAL	1	M	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8806	3/24/88	RAINBOW TROUT	SKIN ON FILLET	F	1	25	2.43	AROCOLOR 1248/1254/1260	1	M	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8807	3/24/88	RAINBOW TROUT	EGGS	U	1	25	0.01	AROCOLOR 1248/1254/1260	1	M	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8809	3/24/88	RAINBOW TROUT	SKIN ON FILLET	M	1	26.5	2.83	AROCOLOR 1248/1254/1260	0.94	M	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8804	4/12/88	RAINBOW TROUT	SKIN ON FILLET	F	1	24.9	2.6	AROCOLOR 1248/1254/1260	0.73	M	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8703	11/24/87	RAINBOW TROUT	EGGS	F	2	24.45	2.52	FAT PERCENT NON-HEX EXT	9.2	M	%
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8701	11/24/87	RAINBOW TROUT	SKIN ON FILLET	F	2	24.45	2.52	FAT PERCENT NON-HEX EXT	7.7	M	%
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8702	11/24/87	RAINBOW TROUT	SKIN ON FILLET	M	4	24.2	2.1	FAT PERCENT NON-HEX EXT	7.3	M	%
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8807	3/24/88	RAINBOW TROUT	EGGS	U	1	25	0.01	FAT PERCENT NON-HEX EXT	7.1	M	%
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8809	3/24/88	RAINBOW TROUT	SKIN ON FILLET	M	1	26.5	2.83	FAT PERCENT NON-HEX EXT	6.7	M	%
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8808	3/24/88	RAINBOW TROUT	SKIN ON FILLET	M	1	26.3	2.5	FAT PERCENT NON-HEX EXT	5.2	M	%
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8803	3/24/88	RAINBOW TROUT	SKIN ON FILLET	M	1	23.5	1.97	FAT PERCENT NON-HEX EXT	4.5	M	%
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8806	3/24/88	RAINBOW TROUT	SKIN ON FILLET	F	1	25	2.43	FAT PERCENT NON-HEX EXT	2.6	M	%
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8802	4/12/88	RAINBOW TROUT	EGGS	U	1	22.8	0.01	FAT PERCENT NON-HEX EXT	8.6	M	%
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8805	4/12/88	RAINBOW TROUT	EGGS	U	1	24.9	0.01	FAT PERCENT NON-HEX EXT	6.6	M	%
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8804	4/12/88	RAINBOW TROUT	SKIN ON FILLET	F	1	24.9	2.6	FAT PERCENT NON-HEX EXT	2.1	M	%
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8801	4/12/88	RAINBOW TROUT	SKIN ON FILLET	F	1	22.8	1.88	FAT PERCENT NON-HEX EXT	1.9	M	%
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8808	3/24/88	RAINBOW TROUT	SKIN ON FILLET	M	1	26.3	2.5	PCB 1242/1248/1254 FISH	0.98	M	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8803	3/24/88	RAINBOW TROUT	SKIN ON FILLET	M	1	23.5	1.97	PCB 1242/1254/1260	0.97	M	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8802	4/12/88	RAINBOW TROUT	EGGS	U	1	22.8	0.01	PCB 1242/1254/1260	0.47	M	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8801	4/12/88	RAINBOW TROUT	SKIN ON FILLET	F	1	22.8	1.88	PCB 1242/1254/1260	0.42	M	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8805	4/12/88	RAINBOW TROUT	EGGS	U	1	24.9	0.01	PCB 1254 FISH	0.51	M	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8701	11/24/87	RAINBOW TROUT	SKIN ON FILLET	F	2	24.45	2.52	PCB TOTAL	0.58	M	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8702	11/24/87	RAINBOW TROUT	SKIN ON FILLET	M	4	24.2	2.1	PCB TOTAL	0.57	M	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8703	11/24/87	RAINBOW TROUT	EGGS	F	2	24.45	2.52	PCB TOTAL	0.49	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8026	11/11/80	RAINBOW TROUT	SKIN ON FILLET	U	1	21.25	2.4	DDE P P	0.13	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7815	9/27/78	RAINBOW TROUT	SKIN ON FILLET	U	1	21.5	0	FAT PERCENT NON-HEX EXT	7.2	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	782D	10/31/78	RAINBOW TROUT	SKIN ON FILLET	U	3	21	0	FAT PERCENT NON-HEX EXT	3.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8007	9/30/80	RAINBOW TROUT	SKIN ON FILLET	U	1	22.8	4	FAT PERCENT NON-HEX EXT	13	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8006	9/30/80	RAINBOW TROUT	SKIN ON FILLET	U	1	23.6	3.4	FAT PERCENT NON-HEX EXT	12	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8008	9/30/80	RAINBOW TROUT	SKIN ON FILLET	U	1	22.4	2.5	FAT PERCENT NON-HEX EXT	12	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	800A	9/30/80	RAINBOW TROUT	SKIN ON FILLET	U	1	20.5	1.5	FAT PERCENT NON-HEX EXT	8.4	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8009	9/30/80	RAINBOW TROUT	SKIN ON FILLET	U	1	21.1	2.1	FAT PERCENT NON-HEX EXT	8.1	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8025	11/11/80	RAINBOW TROUT	SKIN ON FILLET	U	1	21.25	2.6	FAT PERCENT NON-HEX EXT	7.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8023	11/11/80	RAINBOW TROUT	SKIN ON FILLET	U	1	25.2	3.15	FAT PERCENT NON-HEX EXT	7.2	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8024	11/11/80	RAINBOW TROUT	SKIN ON FILLET	U	1	26.4	4.65	FAT PERCENT NON-HEX EXT	7.2	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8026	11/11/80	RAINBOW TROUT	SKIN ON FILLET	U	1	21.25	2.4	FAT PERCENT NON-HEX EXT	5.3	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7815	9/27/78	RAINBOW TROUT	SKIN ON FILLET	U	1	21.5	0	PCB TOTAL	2.6	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	782D	10/31/78	RAINBOW TROUT	SKIN ON FILLET	U	3	21	0	PCB TOTAL	1.6	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8006	9/30/80	RAINBOW TROUT	SKIN ON FILLET	U	1	23.6	3.4	PCB TOTAL	2.4	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8008	9/30/80	RAINBOW TROUT	SKIN ON FILLET	U	1	22.4	2.5	PCB TOTAL	2.4	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8007	9/30/80	RAINBOW TROUT	SKIN ON FILLET	U	1	22.8	4	PCB TOTAL	2	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	800A	9/30/80	RAINBOW TROUT	SKIN ON FILLET	U	1	20.5	1.5	PCB TOTAL	1.2	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8009	9/30/80	RAINBOW TROUT	SKIN ON FILLET	U	1	21.1	2.1	PCB TOTAL	0.98	M	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Num. In Sex	Length (inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8024	11/11/80	RAINBOW TROUT	SKIN ON FILLET	U 1	28.4	4.65	PCB TOTAL	1.1	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8023	11/11/80	RAINBOW TROUT	SKIN ON FILLET	U 1	25.2	3.15	PCB TOTAL	0.55	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8028	11/11/80	RAINBOW TROUT	SKIN ON FILLET	U 1	21.25	2.4	PCB TOTAL	0.41	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8025	11/11/80	RAINBOW TROUT	SKIN ON FILLET	U 1	21.25	2.8	PCB TOTAL	0.39	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8511	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	16.14	1.1	ALPHA-CHLORDANE	0.09	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8503	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	13.62	0.74	ALPHA-CHLORDANE	0.05	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8504	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	16.14	1.05	ALPHA-CHLORDANE	0.05	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8503	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	13.62	0.74	CHLORDANE GAMMA	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8504	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	16.14	1.05	CHLORDANE GAMMA	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8511	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	16.14	1.1	CHLORDANE GAMMA	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8511	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	16.14	1.1	CIS-NONACHLOR	0.06	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8503	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	13.62	0.74	CIS-NONACHLOR	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8504	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	16.14	1.05	CIS-NONACHLOR	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8511	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	16.14	1.1	DIELDRIN	0.15	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8503	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	13.62	0.74	DIELDRIN	0.1	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8504	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	16.14	1.05	DIELDRIN	0.1	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8511	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	16.14	1.1	FAT PERCENT NON-HEX EXT	15	M	%
605025	SHEBOYGAN RIVER HARBOR	8504	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	16.14	1.05	FAT PERCENT NON-HEX EXT	11	M	%
605025	SHEBOYGAN RIVER HARBOR	8503	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	13.62	0.74	FAT PERCENT NON-HEX EXT	10	M	%
605025	SHEBOYGAN RIVER HARBOR	8509	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	10.63	0.3	FAT PERCENT NON-HEX EXT	7.3	M	%
605025	SHEBOYGAN RIVER HARBOR	8512	6/19/85	RAINBOW TROUT	EDIBLE PORTION	U 1	9.53	0.2	FAT PERCENT NON-HEX EXT	4.7	M	%
605025	SHEBOYGAN RIVER HARBOR	850F	6/19/85	RAINBOW TROUT	EDIBLE PORTION	U 1	10.12	0.19	FAT PERCENT NON-HEX EXT	3.1	M	%
605025	SHEBOYGAN RIVER HARBOR	8511	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	16.14	1.1	NONACHLOR TRANS FISH	0.12	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8503	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	13.62	0.74	NONACHLOR TRANS FISH	0.07	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8504	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	16.14	1.05	NONACHLOR TRANS FISH	0.06	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8504	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	16.14	1.05	PCB TOTAL	5	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8511	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	16.14	1.1	PCB TOTAL	4.4	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8503	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	13.62	0.74	PCB TOTAL	4	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8509	6/19/85	RAINBOW TROUT	SKIN ON FILLET	U 1	10.63	0.3	PCB TOTAL	3.3	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	850F	6/19/85	RAINBOW TROUT	EDIBLE PORTION	U 1	10.12	0.19	PCB TOTAL	3.3	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8512	6/19/85	RAINBOW TROUT	EDIBLE PORTION	U 1	9.53	0.2	PCB TOTAL	1.8	M	UG/G
605028	SHEBOYGAN RIVER HIGHWAY I43	7901	11/9/79	RAINBOW TROUT	SKIN ON FILLET	U 1	25.1	2.7	FAT PERCENT NON-HEX EXT	6.5	M	%
605028	SHEBOYGAN RIVER HIGHWAY I43	7901	11/9/79	RAINBOW TROUT	SKIN ON FILLET	U 1	25.1	2.7	PCB TOTAL	5.1	M	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9002	11/28/90	RAINBOW TROUT	WHOLE FISH	U 10	3.2	0.01	FAT PERCENT NON-HEX EXT	5.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9004	11/28/90	RAINBOW TROUT	WHOLE FISH	U 10	3.2	0.01	FAT PERCENT NON-HEX EXT	4.8	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9005	11/28/90	RAINBOW TROUT	WHOLE FISH	U 10	3.2	0.01	FAT PERCENT NON-HEX EXT	4.6	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9001	11/28/90	RAINBOW TROUT	WHOLE FISH	U 10	3.2	0.01	FAT PERCENT NON-HEX EXT	4.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9003	11/28/90	RAINBOW TROUT	WHOLE FISH	U 10	3.2	0.01	FAT PERCENT NON-HEX EXT	4.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9009	12/18/90	RAINBOW TROUT	WHOLE FISH	U 10	3.2	0.01	FAT PERCENT NON-HEX EXT	4.8	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9007	12/18/90	RAINBOW TROUT	WHOLE FISH	U 10	3.2	0.01	FAT PERCENT NON-HEX EXT	4.6	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9008	12/18/90	RAINBOW TROUT	WHOLE FISH	U 10	3.2	0.01	FAT PERCENT NON-HEX EXT	4.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9011	12/18/90	RAINBOW TROUT	WHOLE FISH	U 10	3.2	0.01	FAT PERCENT NON-HEX EXT	4.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9010	12/18/90	RAINBOW TROUT	WHOLE FISH	U 10	3.2	0.01	FAT PERCENT NON-HEX EXT	4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9008	12/18/90	RAINBOW TROUT	WHOLE FISH	U 10	3.2	0.01	FAT PERCENT NON-HEX EXT	3.6	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9104	3/5/91	RAINBOW TROUT	WHOLE FISH	U 6	4	0.01	FAT PERCENT NON-HEX EXT	3.3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9103	3/5/91	RAINBOW TROUT	WHOLE FISH	U 10	3.7	0.01	FAT PERCENT NON-HEX EXT	2.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9101	3/5/91	RAINBOW TROUT	WHOLE FISH	U 10	3	0	FAT PERCENT NON-HEX EXT	2.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9102	3/5/91	RAINBOW TROUT	WHOLE FISH	U 10	3.4	0.01	FAT PERCENT NON-HEX EXT	2.3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9107	4/2/91	RAINBOW TROUT	WHOLE FISH	U 10	3.6	0.01	FAT PERCENT NON-HEX EXT	3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9108	4/2/91	RAINBOW TROUT	WHOLE FISH	U 10	3.9	0.01	FAT PERCENT NON-HEX EXT	3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9105	4/2/91	RAINBOW TROUT	WHOLE FISH	U 10	3	0	FAT PERCENT NON-HEX EXT	2.8	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9106	4/2/91	RAINBOW TROUT	WHOLE FISH	U 10	3.4	0.01	FAT PERCENT NON-HEX EXT	1.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9110	5/2/91	RAINBOW TROUT	WHOLE FISH	U 5	3.8	0.01	FAT PERCENT NON-HEX EXT	5.3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9114	5/2/91	RAINBOW TROUT	WHOLE FISH	U 5	5.2	0.02	FAT PERCENT NON-HEX EXT	3.9	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9113	5/2/91	RAINBOW TROUT	WHOLE FISH	U 5	4.8	0.01	FAT PERCENT NON-HEX EXT	3.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9112	5/2/91	RAINBOW TROUT	WHOLE FISH	U 5	4.2	0.01	FAT PERCENT NON-HEX EXT	3.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9111	5/2/91	RAINBOW TROUT	WHOLE FISH	U 5	4	0.01	FAT PERCENT NON-HEX EXT	3.1	1	%

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. in Sample	Length (Inches)	Weight (kg)	Store Parameter Description	Result Amount	Qual. Code	Units
605042	SHEBOYGAN RIVER HIGHWAY TA	9109	5/2/91	RAINBOW TROUT	WHOLE FISH	U	5	3.7	0.01	FAT PERCENT NON-HEX EXT	2.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9229	12/7/92	RAINBOW TROUT	WHOLE FISH	U	10	3.68	0.01	FAT PERCENT NON-HEX EXT	4.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9227	12/7/92	RAINBOW TROUT	WHOLE FISH	U	10	3.35	0.01	FAT PERCENT NON-HEX EXT	3.9	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9228	12/7/92	RAINBOW TROUT	WHOLE FISH	U	10	3.35	0	FAT PERCENT NON-HEX EXT	3.8	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9225	12/7/92	RAINBOW TROUT	WHOLE FISH	U	10	2.76	0	FAT PERCENT NON-HEX EXT	3.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9226	12/7/92	RAINBOW TROUT	WHOLE FISH	U	10	3.15	0	FAT PERCENT NON-HEX EXT	3.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9308	5/8/93	RAINBOW TROUT	WHOLE FISH	U	10	6	0.03	FAT PERCENT NON-HEX EXT	7.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9305	5/8/93	RAINBOW TROUT	WHOLE FISH	U	10	5	0.02	FAT PERCENT NON-HEX EXT	5.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9307	5/8/93	RAINBOW TROUT	WHOLE FISH	U	10	5.8	0.03	FAT PERCENT NON-HEX EXT	4.9	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9304	5/8/93	RAINBOW TROUT	WHOLE FISH	U	7	4.8	0.02	FAT PERCENT NON-HEX EXT	4.3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9301	5/8/93	RAINBOW TROUT	WHOLE FISH	U	7	3.5	0.01	FAT PERCENT NON-HEX EXT	3.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9309	5/8/93	RAINBOW TROUT	WHOLE FISH	U	10	6.2	0.03	FAT PERCENT NON-HEX EXT	3.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9314	5/8/93	RAINBOW TROUT	WHOLE FISH	U	10	7.2	0.04	FAT PERCENT NON-HEX EXT	3.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9303	5/8/93	RAINBOW TROUT	WHOLE FISH	U	7	4	0.01	FAT PERCENT NON-HEX EXT	3.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9302	5/8/93	RAINBOW TROUT	WHOLE FISH	U	7	4	0.01	FAT PERCENT NON-HEX EXT	3.3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9306	5/8/93	RAINBOW TROUT	WHOLE FISH	U	10	5.5	0.02	FAT PERCENT NON-HEX EXT	3.3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9313	5/8/93	RAINBOW TROUT	WHOLE FISH	U	10	6.5	0.03	FAT PERCENT NON-HEX EXT	3.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9311	5/8/93	RAINBOW TROUT	WHOLE FISH	U	10	5.5	0.02	FAT PERCENT NON-HEX EXT	2.8	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9312	5/8/93	RAINBOW TROUT	WHOLE FISH	U	10	5.9	0.02	FAT PERCENT NON-HEX EXT	2.8	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9310	5/8/93	RAINBOW TROUT	WHOLE FISH	U	10	5	0.02	FAT PERCENT NON-HEX EXT	2.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9377	10/6/93	RAINBOW TROUT	WHOLE FISH	U	1	23.1	2.27	FAT PERCENT NON-HEX EXT	13	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9378	10/6/93	RAINBOW TROUT	SKIN ON FILLET	U	1	23.1	2.27	FAT PERCENT NON-HEX EXT	8.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930B	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	23.3	2.07	FAT PERCENT NON-HEX EXT	16	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930P	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	24.4	2.26	FAT PERCENT NON-HEX EXT	16	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930J	11/8/93	RAINBOW TROUT	WHOLE FISH	M	1	24.1	2.27	FAT PERCENT NON-HEX EXT	15	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930N	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	24.2	2.56	FAT PERCENT NON-HEX EXT	15	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930Y	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	24.9	2.73	FAT PERCENT NON-HEX EXT	14	M	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930F	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	23.6	2.27	FAT PERCENT NON-HEX EXT	13	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930H	11/8/93	RAINBOW TROUT	WHOLE FISH	M	1	23.9	2.27	FAT PERCENT NON-HEX EXT	13	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930Q	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	24.4	2.78	FAT PERCENT NON-HEX EXT	13	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931B	11/8/93	RAINBOW TROUT	WHOLE FISH	M	1	26.2	2.56	FAT PERCENT NON-HEX EXT	13	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9381	11/8/93	RAINBOW TROUT	WHOLE FISH	M	1	19.9	1.7	FAT PERCENT NON-HEX EXT	13	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9395	11/8/93	RAINBOW TROUT	WHOLE FISH	F	1	22.8	2.27	FAT PERCENT NON-HEX EXT	13	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930A	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	23.3	2.07	FAT PERCENT NON-HEX EXT	12	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930D	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	23.5	2.17	FAT PERCENT NON-HEX EXT	12	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930L	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	24.1	2.36	FAT PERCENT NON-HEX EXT	12	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930V	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	24.6	1.97	FAT PERCENT NON-HEX EXT	12	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9385	11/8/93	RAINBOW TROUT	WHOLE FISH	M	1	20.5	1.67	FAT PERCENT NON-HEX EXT	12	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9387	11/8/93	RAINBOW TROUT	WHOLE FISH	M	1	21.4	2.39	FAT PERCENT NON-HEX EXT	12	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9391	11/8/93	RAINBOW TROUT	WHOLE FISH	M	1	22.5	1.93	FAT PERCENT NON-HEX EXT	12	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930I	11/8/93	RAINBOW TROUT	SKIN ON FILLET	M	1	24.1	2.27	FAT PERCENT NON-HEX EXT	11	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930M	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	24.2	2.56	FAT PERCENT NON-HEX EXT	11	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930R	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	24.4	2.78	FAT PERCENT NON-HEX EXT	11	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9375	11/8/93	RAINBOW TROUT	WHOLE FISH	M	1	30.7	5.23	FAT PERCENT NON-HEX EXT	11	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9397	11/8/93	RAINBOW TROUT	WHOLE FISH	M	1	23.2	2.07	FAT PERCENT NON-HEX EXT	11	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930C	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	23.5	2.17	FAT PERCENT NON-HEX EXT	10	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9383	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	20.2	1.73	FAT PERCENT NON-HEX EXT	10	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9393	11/8/93	RAINBOW TROUT	WHOLE FISH	M	1	22.8	0.98	FAT PERCENT NON-HEX EXT	10	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9399	11/8/93	RAINBOW TROUT	WHOLE FISH	F	1	23.2	2.39	FAT PERCENT NON-HEX EXT	10	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930T	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	24.6	1.97	FAT PERCENT NON-HEX EXT	9.9	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931A	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	26.2	2.56	FAT PERCENT NON-HEX EXT	9.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9379	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	18.9	1.36	FAT PERCENT NON-HEX EXT	9.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930G	11/8/93	RAINBOW TROUT	SKIN ON FILLET	M	1	23.9	2.27	FAT PERCENT NON-HEX EXT	9.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9394	11/8/93	RAINBOW TROUT	SKIN ON FILLET	F	1	22.8	2.27	FAT PERCENT NON-HEX EXT	9.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930S	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	24.6	1.97	FAT PERCENT NON-HEX EXT	8.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9386	11/8/93	RAINBOW TROUT	SKIN ON FILLET	M	1	21.4	2.39	FAT PERCENT NON-HEX EXT	8.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930K	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	24.1	2.36	FAT PERCENT NON-HEX EXT	8.1	1	%

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result	Qual.	Units
											Amount	Code	
605042	SHEBOYGAN RIVER HIGHWAY TA	9389	11/8/93	RAINBOW TROUT	WHOLE FISH	F	1	22.1	1.77	FAT PERCENT NON-HEX EXT	8.1	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9380	11/8/93	RAINBOW TROUT	SKIN ON FILLET	M	1	19.9	1.7	FAT PERCENT NON-HEX EXT	7.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9396	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	23.2	2.07	FAT PERCENT NON-HEX EXT	7.3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9374	11/8/93	RAINBOW TROUT	SKIN ON FILLET	M	1	30.7	5.23	FAT PERCENT NON-HEX EXT	7.2	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930U	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	24.6	1.97	FAT PERCENT NON-HEX EXT	7.1	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930X	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	24.9	2.73	FAT PERCENT NON-HEX EXT	6.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9392	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	22.8	0.98	FAT PERCENT NON-HEX EXT	6.6	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9384	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	20.5	1.67	FAT PERCENT NON-HEX EXT	6.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9382	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	20.2	1.73	FAT PERCENT NON-HEX EXT	6.1	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930O	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	24.4	2.26	FAT PERCENT NON-HEX EXT	6	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	930E	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	23.6	2.27	FAT PERCENT NON-HEX EXT	5.8	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9398	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	23.2	2.39	FAT PERCENT NON-HEX EXT	5.6	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9378	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	18.9	1.36	FAT PERCENT NON-HEX EXT	5.1	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9390	11/8/93	RAINBOW TROUT	SKIN ON FILLET	M	1	22.5	1.93	FAT PERCENT NON-HEX EXT	4.8	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9388	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	22.1	1.77	FAT PERCENT NON-HEX EXT	4.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931F	11/10/93	RAINBOW TROUT	WHOLE FISH	F	1	27.1	4.36	FAT PERCENT NON-HEX EXT	17	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931L	11/10/93	RAINBOW TROUT	WHOLE FISH	U	1	22.2	2.09	FAT PERCENT NON-HEX EXT	16	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931J	11/10/93	RAINBOW TROUT	WHOLE FISH	U	1	21.3	2.04	FAT PERCENT NON-HEX EXT	13	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931P	11/10/93	RAINBOW TROUT	WHOLE FISH	U	1	24.7	3.32	FAT PERCENT NON-HEX EXT	13	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931V	11/10/93	RAINBOW TROUT	WHOLE FISH	M	1	27.2	4.18	FAT PERCENT NON-HEX EXT	13	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931N	11/10/93	RAINBOW TROUT	WHOLE FISH	U	1	22.9	2.27	FAT PERCENT NON-HEX EXT	12	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931R	11/10/93	RAINBOW TROUT	WHOLE FISH	U	1	25.6	3	FAT PERCENT NON-HEX EXT	12	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931T	11/10/93	RAINBOW TROUT	WHOLE FISH	U	1	25.7	2.95	FAT PERCENT NON-HEX EXT	12	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931E	11/10/93	RAINBOW TROUT	SKIN ON FILLET	F	1	27.1	4.36	FAT PERCENT NON-HEX EXT	11	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931U	11/10/93	RAINBOW TROUT	SKIN ON FILLET	M	1	27.2	4.18	FAT PERCENT NON-HEX EXT	11	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931H	11/10/93	RAINBOW TROUT	WHOLE FISH	M	1	30.8	5.18	FAT PERCENT NON-HEX EXT	10	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931K	11/10/93	RAINBOW TROUT	SKIN ON FILLET	U	1	22.2	2.09	FAT PERCENT NON-HEX EXT	9.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931D	11/10/93	RAINBOW TROUT	WHOLE FISH	M	1	27	3.41	FAT PERCENT NON-HEX EXT	9.3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931S	11/10/93	RAINBOW TROUT	SKIN ON FILLET	U	1	25.7	2.95	FAT PERCENT NON-HEX EXT	8.9	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931O	11/10/93	RAINBOW TROUT	SKIN ON FILLET	U	1	24.7	3.32	FAT PERCENT NON-HEX EXT	8.1	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931Q	11/10/93	RAINBOW TROUT	SKIN ON FILLET	U	1	25.6	3	FAT PERCENT NON-HEX EXT	7.8	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931C	11/10/93	RAINBOW TROUT	SKIN ON FILLET	M	1	27	3.41	FAT PERCENT NON-HEX EXT	7.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931I	11/10/93	RAINBOW TROUT	SKIN ON FILLET	U	1	21.3	2.04	FAT PERCENT NON-HEX EXT	7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931M	11/10/93	RAINBOW TROUT	SKIN ON FILLET	U	1	22.9	2.27	FAT PERCENT NON-HEX EXT	6.9	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931G	11/10/93	RAINBOW TROUT	SKIN ON FILLET	M	1	30.8	5.18	FAT PERCENT NON-HEX EXT	6.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931X	11/10/93	RAINBOW TROUT	WHOLE FISH	M	1	16.5	0.82	FAT PERCENT NON-HEX EXT	4.8	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	931W	11/10/93	RAINBOW TROUT	SKIN ON FILLET	M	1	16.5	0.82	FAT PERCENT NON-HEX EXT	2.3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	932B	11/30/93	RAINBOW TROUT	WHOLE FISH	U	1	22.1	1.59	FAT PERCENT NON-HEX EXT	6.4	M	%
605042	SHEBOYGAN RIVER HIGHWAY TA	932A	11/30/93	RAINBOW TROUT	SKIN ON FILLET	U	1	22.1	1.59	FAT PERCENT NON-HEX EXT	3.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9450	4/25/94	RAINBOW TROUT	WHOLE FISH	U	50	5	0.09	FAT PERCENT NON-HEX EXT	4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9451	5/11/94	RAINBOW TROUT	WHOLE FISH	U	50	7	0.09	FAT PERCENT NON-HEX EXT	3.9	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9446	11/16/94	RAINBOW TROUT	SKIN ON FILLET	M	1	30	5	FAT PERCENT NON-HEX EXT	10	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9457	11/16/94	RAINBOW TROUT	SKIN ON FILLET	F	1	24.9	2.71	FAT PERCENT NON-HEX EXT	10	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9460	11/16/94	RAINBOW TROUT	SKIN ON FILLET	M	1	28.8	3.68	FAT PERCENT NON-HEX EXT	7.5	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9454	11/16/94	RAINBOW TROUT	SKIN ON FILLET	M	1	24.8	2.86	FAT PERCENT NON-HEX EXT	7.1	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9453	11/16/94	RAINBOW TROUT	SKIN ON FILLET	M	1	23.5	2.33	FAT PERCENT NON-HEX EXT	5.3	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9445	11/16/94	RAINBOW TROUT	SKIN ON FILLET	F	1	29.1	4.39	FAT PERCENT NON-HEX EXT	4.7	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9443	11/16/94	RAINBOW TROUT	SKIN ON FILLET	F	1	26.5	3.14	FAT PERCENT NON-HEX EXT	4.6	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9452	11/16/94	RAINBOW TROUT	SKIN ON FILLET	M	1	22.5	1.76	FAT PERCENT NON-HEX EXT	3.4	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9449	11/16/94	RAINBOW TROUT	SKIN ON FILLET	U	1	16.1	0.76	FAT PERCENT NON-HEX EXT	3.1	1	%
605042	SHEBOYGAN RIVER HIGHWAY TA	9229	12/7/92	RAINBOW TROUT	WHOLE FISH	U	10	3.66	0.01	PCB 1242/1254 TISSUE	2	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9225	12/7/92	RAINBOW TROUT	WHOLE FISH	U	10	2.76	0	PCB 1242/1254 TISSUE	1.7	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9226	12/7/92	RAINBOW TROUT	WHOLE FISH	U	10	3.15	0	PCB 1242/1254 TISSUE	1.7	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9227	12/7/92	RAINBOW TROUT	WHOLE FISH	U	10	3.35	0.01	PCB 1242/1254 TISSUE	1.6	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9228	12/7/92	RAINBOW TROUT	WHOLE FISH	U	10	3.35	0	PCB 1242/1254 TISSUE	1.4	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9312	5/6/93	RAINBOW TROUT	WHOLE FISH	U	10	5.9	0.02	PCB 1242/1254 TISSUE	1.5	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9310	5/6/93	RAINBOW TROUT	WHOLE FISH	U	10	5	0.02	PCB 1242/1254 TISSUE	1.2	1	UG/G

WDNR Fish Tissue Dataset

Location		Collection		Fish Type	Fish: Form	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result	Qual.	Units
Code	Site Name	Field #	Date	Description	Description						Amount	Code	
605042	SHEBOYGAN RIVER HIGHWAY TA	9308	5/8/93	RAINBOW TROUT	WHOLE FISH	U	10	5.5	0.02	PCB 1242/1254 TISSUE	1.1	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9311	5/8/93	RAINBOW TROUT	WHOLE FISH	U	10	5.5	0.02	PCB 1242/1254 TISSUE	0.88	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9307	5/8/93	RAINBOW TROUT	WHOLE FISH	U	10	5.8	0.03	PCB 1242/1254 TISSUE	0.8	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9305	5/8/93	RAINBOW TROUT	WHOLE FISH	U	10	5	0.02	PCB 1242/1254 TISSUE	0.74	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9309	5/8/93	RAINBOW TROUT	WHOLE FISH	U	10	6.2	0.03	PCB 1242/1254 TISSUE	0.62	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9313	5/8/93	RAINBOW TROUT	WHOLE FISH	U	10	6.5	0.03	PCB 1242/1254 TISSUE	0.49	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9308	5/8/93	RAINBOW TROUT	WHOLE FISH	U	10	6	0.03	PCB 1242/1254 TISSUE	0.48	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9314	5/8/93	RAINBOW TROUT	WHOLE FISH	U	10	7.2	0.04	PCB 1242/1254 TISSUE	0.48	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9303	5/8/93	RAINBOW TROUT	WHOLE FISH	U	7	4	0.01	PCB 1248/1254	5.4	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9302	5/8/93	RAINBOW TROUT	WHOLE FISH	U	7	4	0.01	PCB 1248/1254	4.9	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9301	5/8/93	RAINBOW TROUT	WHOLE FISH	U	7	3.5	0.01	PCB 1248/1254	4.6	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9304	5/8/93	RAINBOW TROUT	WHOLE FISH	U	7	4.8	0.02	PCB 1248/1254	3.1	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930Y	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	24.9	2.73	PCB 1248/1254	0.98	M	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930V	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	24.6	1.97	PCB 1248/1254	0.94	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931B	11/8/93	RAINBOW TROUT	WHOLE FISH	M	1	26.2	2.56	PCB 1248/1254	0.88	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9397	11/8/93	RAINBOW TROUT	WHOLE FISH	M	1	23.2	2.07	PCB 1248/1254	0.69	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9381	11/8/93	RAINBOW TROUT	WHOLE FISH	M	1	19.9	1.7	PCB 1248/1254	0.68	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9385	11/8/93	RAINBOW TROUT	WHOLE FISH	M	1	20.5	1.67	PCB 1248/1254	0.63	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9391	11/8/93	RAINBOW TROUT	WHOLE FISH	M	1	22.5	1.93	PCB 1248/1254	0.59	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930T	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	24.6	1.97	PCB 1248/1254	0.45	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9383	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	20.2	1.73	PCB 1248/1254	0.44	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9395	11/8/93	RAINBOW TROUT	WHOLE FISH	F	1	22.8	2.27	PCB 1248/1254	0.41	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9393	11/8/93	RAINBOW TROUT	WHOLE FISH	M	1	22.8	0.98	PCB 1248/1254	0.4	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9379	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	18.9	1.36	PCB 1248/1254	0.39	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9387	11/8/93	RAINBOW TROUT	WHOLE FISH	M	1	21.4	2.39	PCB 1248/1254	0.16	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931H	11/10/93	RAINBOW TROUT	WHOLE FISH	M	1	30.8	5.18	PCB 1248/1254	1.2	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931T	11/10/93	RAINBOW TROUT	WHOLE FISH	U	1	25.7	2.95	PCB 1248/1254	1.2	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931F	11/10/93	RAINBOW TROUT	WHOLE FISH	F	1	27.1	4.36	PCB 1248/1254	1.1	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931L	11/10/93	RAINBOW TROUT	WHOLE FISH	U	1	22.2	2.09	PCB 1248/1254	0.87	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931P	11/10/93	RAINBOW TROUT	WHOLE FISH	U	1	24.7	3.32	PCB 1248/1254	0.77	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931D	11/10/93	RAINBOW TROUT	WHOLE FISH	M	1	27	3.41	PCB 1248/1254	0.58	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931R	11/10/93	RAINBOW TROUT	WHOLE FISH	U	1	25.6	3	PCB 1248/1254	0.49	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931N	11/10/93	RAINBOW TROUT	WHOLE FISH	U	1	22.9	2.27	PCB 1248/1254	0.24	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931J	11/10/93	RAINBOW TROUT	WHOLE FISH	U	1	21.3	2.04	PCB 1248/1254	0.14	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931X	11/10/93	RAINBOW TROUT	WHOLE FISH	M	1	16.5	0.82	PCB 1248/1254	0.14	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9450	4/25/94	RAINBOW TROUT	WHOLE FISH	U	50	5	0.09	PCB 1248/1254	1.3	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9451	5/1/94	RAINBOW TROUT	WHOLE FISH	U	50	7	0.09	PCB 1248/1254	3.6	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9448	11/16/94	RAINBOW TROUT	SKIN ON FILLET	M	1	30	5	PCB 1248/1254	0.93	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9457	11/16/94	RAINBOW TROUT	SKIN ON FILLET	F	1	24.9	2.71	PCB 1248/1254	0.86	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9460	11/16/94	RAINBOW TROUT	SKIN ON FILLET	M	1	28.8	3.68	PCB 1248/1254	0.68	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9445	11/16/94	RAINBOW TROUT	SKIN ON FILLET	F	1	29.1	4.39	PCB 1248/1254	0.66	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9443	11/16/94	RAINBOW TROUT	SKIN ON FILLET	F	1	26.5	3.14	PCB 1248/1254	0.38	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9454	11/16/94	RAINBOW TROUT	SKIN ON FILLET	M	1	24.6	2.66	PCB 1248/1254	0.26	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9453	11/16/94	RAINBOW TROUT	SKIN ON FILLET	M	1	23.5	2.33	PCB 1248/1254	0.22	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9452	11/16/94	RAINBOW TROUT	SKIN ON FILLET	M	1	22.5	1.76	PCB 1248/1254	0.2	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9449	11/16/94	RAINBOW TROUT	SKIN ON FILLET	U	1	16.1	0.76	PCB 1248/1254	0.088	3	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9375	11/8/93	RAINBOW TROUT	WHOLE FISH	M	1	30.7	5.23	PCB 1254 FISH	1.2	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930L	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	24.1	2.36	PCB 1254 FISH	1	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930J	11/8/93	RAINBOW TROUT	WHOLE FISH	M	1	24.1	2.27	PCB 1254 FISH	0.82	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930F	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	23.6	2.27	PCB 1254 FISH	0.77	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9399	11/8/93	RAINBOW TROUT	WHOLE FISH	F	1	23.2	2.39	PCB 1254 FISH	0.76	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930H	11/8/93	RAINBOW TROUT	WHOLE FISH	M	1	23.9	2.27	PCB 1254 FISH	0.57	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9389	11/8/93	RAINBOW TROUT	WHOLE FISH	F	1	22.1	1.77	PCB 1254 FISH	0.19	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931V	11/10/93	RAINBOW TROUT	WHOLE FISH	M	1	27.2	4.18	PCB 1254 FISH	0.64	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9376	10/6/93	RAINBOW TROUT	SKIN ON FILLET	U	1	23.1	2.27	PCB 1254/1260	0.83	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930A	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	23.3	2.07	PCB 1254/1260	1.1	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930C	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	23.5	2.17	PCB 1254/1260	1	1	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605042	SHEBOYGAN RIVER HIGHWAY TA	930Q	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	24.4	2.76	PCB 1254/1260	1	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9374	11/8/93	RAINBOW TROUT	SKIN ON FILLET	M	1	30.7	5.23	PCB 1254/1260	0.99	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9301	11/8/93	RAINBOW TROUT	SKIN ON FILLET	M	1	24.1	2.27	PCB 1254/1260	0.83	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9396	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	23.2	2.07	PCB 1254/1260	0.8	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930U	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	24.6	1.97	PCB 1254/1260	0.77	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930K	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	24.1	2.36	PCB 1254/1260	0.76	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930X	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	24.9	2.73	PCB 1254/1260	0.76	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931A	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	26.2	2.58	PCB 1254/1260	0.75	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930M	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	24.2	2.56	PCB 1254/1260	0.7	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9380	11/8/93	RAINBOW TROUT	SKIN ON FILLET	M	1	19.9	1.7	PCB 1254/1260	0.67	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930S	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	24.6	1.97	PCB 1254/1260	0.63	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9398	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	23.2	2.39	PCB 1254/1260	0.63	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930G	11/8/93	RAINBOW TROUT	SKIN ON FILLET	M	1	23.9	2.27	PCB 1254/1260	0.55	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930O	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	24.4	2.26	PCB 1254/1260	0.49	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9394	11/8/93	RAINBOW TROUT	SKIN ON FILLET	F	1	22.8	2.27	PCB 1254/1260	0.49	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9384	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	20.5	1.67	PCB 1254/1260	0.45	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9382	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	20.2	1.73	PCB 1254/1260	0.43	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9392	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	22.8	0.98	PCB 1254/1260	0.4	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9378	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	18.9	1.36	PCB 1254/1260	0.39	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930E	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	23.6	2.27	PCB 1254/1260	0.36	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9390	11/8/93	RAINBOW TROUT	SKIN ON FILLET	M	1	22.5	1.93	PCB 1254/1260	0.34	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9388	11/8/93	RAINBOW TROUT	SKIN ON FILLET	M	1	21.4	2.39	PCB 1254/1260	0.18	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9388	11/8/93	RAINBOW TROUT	SKIN ON FILLET	U	1	22.1	1.77	PCB 1254/1260	0.15	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931G	11/10/93	RAINBOW TROUT	SKIN ON FILLET	M	1	30.8	5.18	PCB 1254/1260	1.2	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931S	11/10/93	RAINBOW TROUT	SKIN ON FILLET	U	1	25.7	2.95	PCB 1254/1260	1.2	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931E	11/10/93	RAINBOW TROUT	SKIN ON FILLET	F	1	27.1	4.36	PCB 1254/1260	1.1	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931K	11/10/93	RAINBOW TROUT	SKIN ON FILLET	U	1	22.2	2.09	PCB 1254/1260	0.92	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931U	11/10/93	RAINBOW TROUT	SKIN ON FILLET	M	1	27.2	4.18	PCB 1254/1260	0.83	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931O	11/10/93	RAINBOW TROUT	SKIN ON FILLET	U	1	24.7	3.32	PCB 1254/1260	0.79	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931C	11/10/93	RAINBOW TROUT	SKIN ON FILLET	M	1	27	3.41	PCB 1254/1260	0.67	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931Q	11/10/93	RAINBOW TROUT	SKIN ON FILLET	U	1	25.6	3	PCB 1254/1260	0.56	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931M	11/10/93	RAINBOW TROUT	SKIN ON FILLET	U	1	22.9	2.27	PCB 1254/1260	0.26	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931I	11/10/93	RAINBOW TROUT	SKIN ON FILLET	U	1	21.3	2.04	PCB 1254/1260	0.16	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	932B	11/30/93	RAINBOW TROUT	WHOLE FISH	U	1	22.1	1.59	PCB 1254/1260	0.76	M	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	932A	11/30/93	RAINBOW TROUT	SKIN ON FILLET	U	1	22.1	1.59	PCB 1254/1260	0.47	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9004	11/28/90	RAINBOW TROUT	WHOLE FISH	U	10	3.2	0.01	PCB TOTAL	1.6	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9002	11/28/90	RAINBOW TROUT	WHOLE FISH	U	10	3.2	0.01	PCB TOTAL	1.4	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9003	11/28/90	RAINBOW TROUT	WHOLE FISH	U	10	3.2	0.01	PCB TOTAL	1.4	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9001	11/28/90	RAINBOW TROUT	WHOLE FISH	U	10	3.2	0.01	PCB TOTAL	1.3	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9005	11/28/90	RAINBOW TROUT	WHOLE FISH	U	10	3.2	0.01	PCB TOTAL	1.2	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9006	12/18/90	RAINBOW TROUT	WHOLE FISH	U	10	3.2	0.01	PCB TOTAL	1.7	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9010	12/18/90	RAINBOW TROUT	WHOLE FISH	U	10	3.2	0.01	PCB TOTAL	1.4	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9007	12/18/90	RAINBOW TROUT	WHOLE FISH	U	10	3.2	0.01	PCB TOTAL	1.2	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9009	12/18/90	RAINBOW TROUT	WHOLE FISH	U	10	3.2	0.01	PCB TOTAL	1.2	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9011	12/18/90	RAINBOW TROUT	WHOLE FISH	U	10	3.2	0.01	PCB TOTAL	1.2	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9008	12/18/90	RAINBOW TROUT	WHOLE FISH	U	10	3.2	0.01	PCB TOTAL	0.9	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9101	3/5/91	RAINBOW TROUT	WHOLE FISH	U	10	3	0	PCB TOTAL	3.1	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9103	3/5/91	RAINBOW TROUT	WHOLE FISH	U	10	3.7	0.01	PCB TOTAL	2.7	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9104	3/5/91	RAINBOW TROUT	WHOLE FISH	U	6	4	0.01	PCB TOTAL	2.3	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9102	3/5/91	RAINBOW TROUT	WHOLE FISH	U	10	3.4	0.01	PCB TOTAL	1.9	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9105	4/2/91	RAINBOW TROUT	WHOLE FISH	U	10	3	0	PCB TOTAL	5	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9108	4/2/91	RAINBOW TROUT	WHOLE FISH	U	10	3.9	0.01	PCB TOTAL	3.9	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9107	4/2/91	RAINBOW TROUT	WHOLE FISH	U	10	3.6	0.01	PCB TOTAL	3.6	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9106	4/2/91	RAINBOW TROUT	WHOLE FISH	U	10	3.4	0.01	PCB TOTAL	3	1	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	9113	5/2/91	RAINBOW TROUT	WHOLE FISH	U	5	4.8	0.01	PCB TOTAL	7.6	M	PPM
605042	SHEBOYGAN RIVER HIGHWAY TA	9109	5/2/91	RAINBOW TROUT	WHOLE FISH	U	5	3.7	0.01	PCB TOTAL	6.9	M	PPM
605042	SHEBOYGAN RIVER HIGHWAY TA	9111	5/2/91	RAINBOW TROUT	WHOLE FISH	U	5	4	0.01	PCB TOTAL	6.5	M	PPM



WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605042	SHEBOYGAN RIVER HIGHWAY TA	9112	5/2/91	RAINBOW TROUT	WHOLE FISH	U	5	4.2	0.01	PCB TOTAL	6.4	M	PPM
605042	SHEBOYGAN RIVER HIGHWAY TA	9110	5/2/91	RAINBOW TROUT	WHOLE FISH	U	5	3.8	0.01	PCB TOTAL	5.9	M	PPM
605042	SHEBOYGAN RIVER HIGHWAY TA	9114	5/2/91	RAINBOW TROUT	WHOLE FISH	U	5	5.2	0.02	PCB TOTAL	3.5	M	PPM
605042	SHEBOYGAN RIVER HIGHWAY TA	9377	10/8/93	RAINBOW TROUT	WHOLE FISH	U	1	23.1	2.27	PCB TOTAL	0.85	M	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930B	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	23.3	2.07	PCB TOTAL	1.1	M	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930R	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	24.4	2.76	PCB TOTAL	0.73	M	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930P	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	24.4	2.26	PCB TOTAL	0.7	M	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930N	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	24.2	2.56	PCB TOTAL	0.62	M	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	930D	11/8/93	RAINBOW TROUT	WHOLE FISH	U	1	23.5	2.17	PCB TOTAL	0.6	M	UG/G
605042	SHEBOYGAN RIVER HIGHWAY TA	931W	11/10/93	RAINBOW TROUT	SKIN ON FILLET	M	1	16.5	0.82	PCB TOTAL	0.06	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	853C	9/25/85	RAINBOW TROUT	SKIN ON FILLET	U	1	22.36	2.51	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9511	4/11/95	RAINBOW TROUT	SKIN ON FILLET	M	1	28.4	3.65	AROCOLOR 1248/1254/1260	1.5	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9513	4/11/95	RAINBOW TROUT	SKIN ON FILLET	M	1	29.6	4.23	AROCOLOR 1248/1254/1260	0.98	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9515	4/11/95	RAINBOW TROUT	SKIN ON FILLET	M	1	32.1	4.1	AROCOLOR 1248/1254/1260	0.97	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9512	4/11/95	RAINBOW TROUT	SKIN ON FILLET	M	1	29.5	3.74	AROCOLOR 1248/1254/1260	0.72	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9505	4/11/95	RAINBOW TROUT	SKIN ON FILLET	M	1	24.5	2.48	AROCOLOR 1248/1254/1260	0.52	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9510	4/11/95	RAINBOW TROUT	SKIN ON FILLET	F	1	28.4	3.29	AROCOLOR 1248/1254/1260	0.44	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9507	4/11/95	RAINBOW TROUT	SKIN ON FILLET	F	1	25.6	2.52	AROCOLOR 1248/1254/1260	0.26	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9504	4/11/95	RAINBOW TROUT	SKIN ON FILLET	M	1	22.9	2.48	AROCOLOR 1248/1254/1260	0.18	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	853C	9/25/85	RAINBOW TROUT	SKIN ON FILLET	U	1	22.36	2.51	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	853C	9/25/85	RAINBOW TROUT	SKIN ON FILLET	U	1	22.36	2.51	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	853C	9/25/85	RAINBOW TROUT	SKIN ON FILLET	U	1	22.36	2.51	DIELDRIN	0.03	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	820D	10/27/82	RAINBOW TROUT	SKIN ON FILLET	U	1	15	0.7	FAT PERCENT NON-HEX EXT	9.6	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	820E	10/27/82	RAINBOW TROUT	SKIN ON FILLET	U	1	18.6	1.5	FAT PERCENT NON-HEX EXT	7.9	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8211	10/27/82	RAINBOW TROUT	SKIN ON FILLET	U	1	23.1	2.2	FAT PERCENT NON-HEX EXT	7	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	820F	10/27/82	RAINBOW TROUT	SKIN ON FILLET	U	1	18.7	1.5	FAT PERCENT NON-HEX EXT	6.9	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8210	10/27/82	RAINBOW TROUT	SKIN ON FILLET	U	1	21.2	2.25	FAT PERCENT NON-HEX EXT	5.4	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8212	10/27/82	RAINBOW TROUT	SKIN ON FILLET	U	1	26.5	3.6	FAT PERCENT NON-HEX EXT	5.2	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	853F	9/25/85	RAINBOW TROUT	SKIN ON FILLET	U	1	14.76	0.65	FAT PERCENT NON-HEX EXT	9.1	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	853C	9/25/85	RAINBOW TROUT	SKIN ON FILLET	U	1	22.36	2.51	FAT PERCENT NON-HEX EXT	8.9	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	853D	9/25/85	RAINBOW TROUT	SKIN ON FILLET	U	1	12.99	0.5	FAT PERCENT NON-HEX EXT	7.5	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	853E	9/25/85	RAINBOW TROUT	SKIN ON FILLET	U	1	14.37	0.6	FAT PERCENT NON-HEX EXT	5.9	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	852E	9/25/85	RAINBOW TROUT	SKIN ON FILLET	U	1	11.14	0.25	FAT PERCENT NON-HEX EXT	5	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	852B	9/25/85	RAINBOW TROUT	SKIN ON FILLET	U	1	22.16	2.11	FAT PERCENT NON-HEX EXT	1.5	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8547	10/2/85	RAINBOW TROUT	SKIN ON FILLET	U	1	15.2	0.6	FAT PERCENT NON-HEX EXT	6.9	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8546	10/2/85	RAINBOW TROUT	SKIN ON FILLET	U	1	13.6	0.45	FAT PERCENT NON-HEX EXT	6.4	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8545	10/2/85	RAINBOW TROUT	SKIN ON FILLET	U	1	13.1	0.4	FAT PERCENT NON-HEX EXT	4.2	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9236	11/9/92	RAINBOW TROUT	WHOLE FISH	M	1	13.3	0.37	FAT PERCENT NON-HEX EXT	4.4	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9235	11/9/92	RAINBOW TROUT	SKIN ON FILLET	M	1	13.3	0.37	FAT PERCENT NON-HEX EXT	2.3	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9238	11/10/92	RAINBOW TROUT	WHOLE FISH	M	1	15.9	1	FAT PERCENT NON-HEX EXT	11	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9237	11/10/92	RAINBOW TROUT	SKIN ON FILLET	M	1	15.9	1	FAT PERCENT NON-HEX EXT	10	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9217	11/10/92	RAINBOW TROUT	WHOLE FISH	U	10	3.15	0.01	FAT PERCENT NON-HEX EXT	6.1	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9220	11/10/92	RAINBOW TROUT	WHOLE FISH	U	10	3.54	0.01	FAT PERCENT NON-HEX EXT	5.1	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9218	11/10/92	RAINBOW TROUT	WHOLE FISH	U	10	2.76	0	FAT PERCENT NON-HEX EXT	4.9	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9219	11/10/92	RAINBOW TROUT	WHOLE FISH	U	10	3.54	0.01	FAT PERCENT NON-HEX EXT	4.9	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9218	11/10/92	RAINBOW TROUT	WHOLE FISH	U	10	3.35	0.01	FAT PERCENT NON-HEX EXT	4.7	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9240	11/10/92	RAINBOW TROUT	WHOLE FISH	M	1	16.6	0.91	FAT PERCENT NON-HEX EXT	4.4	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9239	11/10/92	RAINBOW TROUT	SKIN ON FILLET	M	1	16.6	0.91	FAT PERCENT NON-HEX EXT	3.7	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9513	4/11/95	RAINBOW TROUT	SKIN ON FILLET	M	1	29.6	4.23	FAT PERCENT NON-HEX EXT	5	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9511	4/11/95	RAINBOW TROUT	SKIN ON FILLET	M	1	28.4	3.65	FAT PERCENT NON-HEX EXT	4.3	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9503	4/11/95	RAINBOW TROUT	SKIN ON FILLET	F	1	22.9	2.43	FAT PERCENT NON-HEX EXT	4.2	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9502	4/11/95	RAINBOW TROUT	SKIN ON FILLET	F	1	22.4	1.8	FAT PERCENT NON-HEX EXT	4	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9514	4/11/95	RAINBOW TROUT	SKIN ON FILLET	M	1	29.6	4.23	FAT PERCENT NON-HEX EXT	4	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9509	4/11/95	RAINBOW TROUT	SKIN ON FILLET	F	1	28.3	3.69	FAT PERCENT NON-HEX EXT	3.5	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9501	4/11/95	RAINBOW TROUT	SKIN ON FILLET	M	1	21.7	1.71	FAT PERCENT NON-HEX EXT	3.1	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9504	4/11/95	RAINBOW TROUT	SKIN ON FILLET	M	1	22.9	2.48	FAT PERCENT NON-HEX EXT	2.8	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9512	4/11/95	RAINBOW TROUT	SKIN ON FILLET	M	1	29.5	3.74	FAT PERCENT NON-HEX EXT	2.7	1	%

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form		Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
					Description	Sex							
605027	SHEBOYGAN RIVER KIWANIS PARK	9515	4/1/95	RAINBOW TROUT	SKIN ON FILLET	M	1	32.1	4.1	FAT PERCENT NON-HEX EXT	2.5	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9505	4/1/95	RAINBOW TROUT	SKIN ON FILLET	M	1	24.5	2.48	FAT PERCENT NON-HEX EXT	2.4	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9510	4/1/95	RAINBOW TROUT	SKIN ON FILLET	F	1	28.4	3.29	FAT PERCENT NON-HEX EXT	1.5	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9507	4/1/95	RAINBOW TROUT	SKIN ON FILLET	F	1	25.6	2.52	FAT PERCENT NON-HEX EXT	0.9	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9506	4/1/95	RAINBOW TROUT	SKIN ON FILLET	F	1	25.3	2.7	FAT PERCENT NON-HEX EXT	0.7	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	9508	4/1/95	RAINBOW TROUT	SKIN ON FILLET	F	1	25.7	2.7	FAT PERCENT NON-HEX EXT	0.7	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	853C	9/25/85	RAINBOW TROUT	SKIN ON FILLET	U	1	22.36	2.51	NONACHLOR TRANS FISH	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9236	11/9/92	RAINBOW TROUT	WHOLE FISH	M	1	13.3	0.37	PCB 1242/1254 TISSUE	0.31	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9235	11/9/92	RAINBOW TROUT	SKIN ON FILLET	M	1	13.3	0.37	PCB 1242/1254 TISSUE	0.16	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9217	11/10/92	RAINBOW TROUT	WHOLE FISH	U	10	3.15	0.01	PCB 1242/1254 TISSUE	1.5	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9216	11/10/92	RAINBOW TROUT	WHOLE FISH	U	10	2.76	0	PCB 1242/1254 TISSUE	1.4	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9218	11/10/92	RAINBOW TROUT	WHOLE FISH	U	10	3.35	0.01	PCB 1242/1254 TISSUE	1	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9220	11/10/92	RAINBOW TROUT	WHOLE FISH	U	10	3.54	0.01	PCB 1242/1254 TISSUE	1	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9219	11/10/92	RAINBOW TROUT	WHOLE FISH	U	10	3.54	0.01	PCB 1242/1254 TISSUE	0.98	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9237	11/10/92	RAINBOW TROUT	SKIN ON FILLET	M	1	15.9	1	PCB 1248/1254	0.17	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9502	4/1/95	RAINBOW TROUT	SKIN ON FILLET	F	1	22.4	1.8	PCB 1248/1254	0.28	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9238	11/10/92	RAINBOW TROUT	WHOLE FISH	M	1	15.9	1	PCB 1254/1260	0.16	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9240	11/10/92	RAINBOW TROUT	WHOLE FISH	M	1	16.6	0.91	PCB 1254/1260	0.11	3	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9239	11/10/92	RAINBOW TROUT	SKIN ON FILLET	M	1	16.6	0.91	PCB 1254/1260	0.093	3	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9514	4/1/95	RAINBOW TROUT	SKIN ON FILLET	M	1	29.6	4.23	PCB 1254/1260	0.93	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9509	4/1/95	RAINBOW TROUT	SKIN ON FILLET	F	1	28.3	3.69	PCB 1254/1260	0.7	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9501	4/1/95	RAINBOW TROUT	SKIN ON FILLET	M	1	21.7	1.71	PCB 1254/1260	0.61	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9503	4/1/95	RAINBOW TROUT	SKIN ON FILLET	F	1	22.9	2.43	PCB 1254/1260	0.61	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9508	4/1/95	RAINBOW TROUT	SKIN ON FILLET	F	1	25.7	2.7	PCB 1254/1260	0.19	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	9506	4/1/95	RAINBOW TROUT	SKIN ON FILLET	F	1	25.3	2.7	PCB 1254/1260	0.15	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8211	10/27/82	RAINBOW TROUT	SKIN ON FILLET	U	1	23.1	2.2	PCB TOTAL	8.9	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8210	10/27/82	RAINBOW TROUT	SKIN ON FILLET	U	1	21.2	2.25	PCB TOTAL	1.7	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8212	10/27/82	RAINBOW TROUT	SKIN ON FILLET	U	1	26.5	3.6	PCB TOTAL	1.4	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	820D	10/27/82	RAINBOW TROUT	SKIN ON FILLET	U	1	15	0.7	PCB TOTAL	1.3	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	820E	10/27/82	RAINBOW TROUT	SKIN ON FILLET	U	1	18.6	1.5	PCB TOTAL	0.92	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	820F	10/27/82	RAINBOW TROUT	SKIN ON FILLET	U	1	18.7	1.5	PCB TOTAL	0.5	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	853D	9/25/85	RAINBOW TROUT	SKIN ON FILLET	U	1	12.99	0.5	PCB TOTAL	2.9	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	852E	9/25/85	RAINBOW TROUT	SKIN ON FILLET	U	1	11.14	0.25	PCB TOTAL	1	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	853F	9/25/85	RAINBOW TROUT	SKIN ON FILLET	U	1	14.76	0.65	PCB TOTAL	1	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	852B	9/25/85	RAINBOW TROUT	SKIN ON FILLET	U	1	22.16	2.11	PCB TOTAL	0.8	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	853E	9/25/85	RAINBOW TROUT	SKIN ON FILLET	U	1	14.37	0.8	PCB TOTAL	0.5	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	853C	9/25/85	RAINBOW TROUT	SKIN ON FILLET	U	1	22.36	2.51	PCB TOTAL	0.35	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8546	10/2/85	RAINBOW TROUT	SKIN ON FILLET	U	1	13.6	0.45	PCB TOTAL	4.7	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8545	10/2/85	RAINBOW TROUT	SKIN ON FILLET	U	1	13.1	0.4	PCB TOTAL	1.8	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8547	10/2/85	RAINBOW TROUT	SKIN ON FILLET	U	1	15.2	0.6	PCB TOTAL	0.41	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7809	6/24/78	RAINBOW TROUT	SKIN ON FILLET	U	1	17.8	0	FAT PERCENT NON-HEX EXT	10.1	M	%
605024	SHEBOYGAN RIVER MOUTH	7815	4/27/78	RAINBOW TROUT	SKIN ON FILLET	U	1	23	0	FAT PERCENT NON-HEX EXT	6.5	M	%
605024	SHEBOYGAN RIVER MOUTH	7814	4/27/78	RAINBOW TROUT	WHOLE FISH	U	2	23	0	FAT PERCENT NON-HEX EXT	4.7	M	%
605024	SHEBOYGAN RIVER MOUTH	7813	4/27/78	RAINBOW TROUT	WHOLE FISH	U	2	21.3	0	FAT PERCENT NON-HEX EXT	1.9	M	%
605024	SHEBOYGAN RIVER MOUTH	7819	5/18/78	RAINBOW TROUT	SKIN ON FILLET	U	1	24.5	0	FAT PERCENT NON-HEX EXT	0.8	M	%
605024	SHEBOYGAN RIVER MOUTH	7908	10/4/79	RAINBOW TROUT	SKIN ON FILLET	U	1	24.5	3.2	FAT PERCENT NON-HEX EXT	10	M	%
605024	SHEBOYGAN RIVER MOUTH	7909	10/4/79	RAINBOW TROUT	SKIN ON FILLET	U	1	25.5	3.4	FAT PERCENT NON-HEX EXT	9.6	M	%
605024	SHEBOYGAN RIVER MOUTH	810A	9/29/81	RAINBOW TROUT	SKIN ON FILLET	U	5	21.7	2.5	FAT PERCENT NON-HEX EXT	12	M	%
605024	SHEBOYGAN RIVER MOUTH	810F	11/1/81	RAINBOW TROUT	SKIN ON FILLET	U	2	27.4	3.8	FAT PERCENT NON-HEX EXT	8.8	M	%
605024	SHEBOYGAN RIVER MOUTH	7809	6/24/78	RAINBOW TROUT	SKIN ON FILLET	U	1	17.8	0	PCB TOTAL	5.4	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7814	4/27/78	RAINBOW TROUT	WHOLE FISH	U	2	23	0	PCB TOTAL	9.2	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7815	4/27/78	RAINBOW TROUT	SKIN ON FILLET	U	1	23	0	PCB TOTAL	6	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7813	4/27/78	RAINBOW TROUT	WHOLE FISH	U	2	21.3	0	PCB TOTAL	0.9	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7819	5/18/78	RAINBOW TROUT	SKIN ON FILLET	U	1	24.5	0	PCB TOTAL	6.5	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7909	10/4/79	RAINBOW TROUT	SKIN ON FILLET	U	1	25.5	3.4	PCB TOTAL	11	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7908	10/4/79	RAINBOW TROUT	SKIN ON FILLET	U	1	24.5	3.2	PCB TOTAL	7.6	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	810A	9/29/81	RAINBOW TROUT	SKIN ON FILLET	U	5	21.7	2.5	PCB TOTAL	2.2	M	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (inches)	Weight (kg)	Store Parameter Description	Result Amount	Qual. Code	Units
605024	SHEBOYGAN RIVER MOUTH	810F	11/11/81	RAINBOW TROUT	SKIN ON FILLET	U	2	27.4	3.8	PCB TOTAL	1.7	M	UG/G
605033	SHEBOYGAN RIVER ABOVE JOHNSONVILLE	7802	4/28/78	ROCK BASS	WHOLE FISH	U	9	6.5	0	FAT PERCENT NON-HEX EXT	2.4	M	%
605033	SHEBOYGAN RIVER ABOVE JOHNSONVILLE	7802	4/28/78	ROCK BASS	WHOLE FISH	U	9	6.5	0	PCB TOTAL	0.5	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7802	4/28/78	ROCK BASS	WHOLE FISH	U	5	6.3	0	FAT PERCENT NON-HEX EXT	3.1	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7827	10/31/78	ROCK BASS	WHOLE FISH	U	7	0	0	FAT PERCENT NON-HEX EXT	3.2	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8102	7/22/81	ROCK BASS	SKIN ON FILLET	U	5	6.1	0.14	FAT PERCENT NON-HEX EXT	1	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8303	7/28/83	ROCK BASS	SKIN ON FILLET	U	4	6.9	0.1	FAT PERCENT NON-HEX EXT	1.3	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8405	8/6/84	ROCK BASS	SKIN ON FILLET	U	4	6.7	0.1	FAT PERCENT NON-HEX EXT	0.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8404	8/6/84	ROCK BASS	SKIN ON FILLET	U	5	8.27	0.2	FAT PERCENT NON-HEX EXT	0.3	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8505	9/16/85	ROCK BASS	SKIN ON FILLET	U	3	7.8	0.16	FAT PERCENT NON-HEX EXT	0.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8801	6/27/88	ROCK BASS	SKIN ON FILLET	U	1	6.5	0.09	FAT PERCENT NON-HEX EXT	0.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8804	6/27/88	ROCK BASS	SKIN ON FILLET	U	1	9.9	0.29	FAT PERCENT NON-HEX EXT	0.3	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8802	6/27/88	ROCK BASS	SKIN ON FILLET	U	1	8	0.2	FAT PERCENT NON-HEX EXT	0.2	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8803	6/27/88	ROCK BASS	SKIN ON FILLET	U	1	8.2	0.21	FAT PERCENT NON-HEX EXT	0.2	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9435	4/25/94	ROCK BASS	SKIN ON FILLET	F	1	5.5	0.06	FAT PERCENT NON-HEX EXT	0.9	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9434	4/25/94	ROCK BASS	SKIN ON FILLET	U	1	5.2	0.05	FAT PERCENT NON-HEX EXT	0.5	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9437	4/25/94	ROCK BASS	SKIN ON FILLET	F	1	5.9	0.06	FAT PERCENT NON-HEX EXT	0.5	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9436	4/25/94	ROCK BASS	SKIN ON FILLET	M	1	5.8	0.07	FAT PERCENT NON-HEX EXT	0.4	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9442	4/25/94	ROCK BASS	SKIN ON FILLET	M	1	7.9	0.17	FAT PERCENT NON-HEX EXT	0.3	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9440	4/25/94	ROCK BASS	SKIN ON FILLET	F	1	7.2	0.13	FAT PERCENT NON-HEX EXT	0.2	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9441	4/25/94	ROCK BASS	SKIN ON FILLET	M	1	7.8	0.13	FAT PERCENT NON-HEX EXT	0.2	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9433	4/26/94	ROCK BASS	SKIN ON FILLET	U	1	4.8	0.04	FAT PERCENT NON-HEX EXT	0.5	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9443	4/26/94	ROCK BASS	SKIN ON FILLET	M	1	8.8	0.25	FAT PERCENT NON-HEX EXT	0.4	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9438	5/11/94	ROCK BASS	SKIN ON FILLET	M	1	6.5	0.09	FAT PERCENT NON-HEX EXT	0.3	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9439	6/21/94	ROCK BASS	SKIN ON FILLET	F	1	7.1	0.07	FAT PERCENT NON-HEX EXT	0.4	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8801	6/27/88	ROCK BASS	SKIN ON FILLET	U	1	6.5	0.09	PCB 1248/1254	1.9	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9435	4/25/94	ROCK BASS	SKIN ON FILLET	F	1	5.5	0.06	PCB 1248/1254	1.9	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9434	4/25/94	ROCK BASS	SKIN ON FILLET	U	1	5.2	0.05	PCB 1248/1254	1.7	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9440	4/25/94	ROCK BASS	SKIN ON FILLET	F	1	7.2	0.13	PCB 1248/1254	1.5	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9436	4/25/94	ROCK BASS	SKIN ON FILLET	M	1	5.8	0.07	PCB 1248/1254	1.4	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9437	4/25/94	ROCK BASS	SKIN ON FILLET	F	1	5.9	0.06	PCB 1248/1254	0.95	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9442	4/25/94	ROCK BASS	SKIN ON FILLET	M	1	7.9	0.17	PCB 1248/1254	0.79	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9441	4/25/94	ROCK BASS	SKIN ON FILLET	M	1	7.8	0.13	PCB 1248/1254	0.67	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9443	4/26/94	ROCK BASS	SKIN ON FILLET	M	1	8.8	0.25	PCB 1248/1254	2.1	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9433	4/26/94	ROCK BASS	SKIN ON FILLET	U	1	4.8	0.04	PCB 1248/1254	1.7	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9438	5/11/94	ROCK BASS	SKIN ON FILLET	M	1	6.5	0.09	PCB 1248/1254	1.9	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9439	6/21/94	ROCK BASS	SKIN ON FILLET	F	1	7.1	0.07	PCB 1248/1254	0.75	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8804	6/27/88	ROCK BASS	SKIN ON FILLET	U	1	9.9	0.29	PCB 1254 FISH	4	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8802	6/27/88	ROCK BASS	SKIN ON FILLET	U	1	8	0.2	PCB 1254 FISH	3.9	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8803	6/27/88	ROCK BASS	SKIN ON FILLET	U	1	8.2	0.21	PCB 1254 FISH	1.3	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7802	4/26/78	ROCK BASS	WHOLE FISH	U	5	6.3	0	PCB TOTAL	190	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7827	10/31/78	ROCK BASS	WHOLE FISH	U	7	0	0	PCB TOTAL	185	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8102	7/22/81	ROCK BASS	SKIN ON FILLET	U	5	6.1	0.14	PCB TOTAL	21	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8303	7/28/83	ROCK BASS	SKIN ON FILLET	U	4	6.9	0.1	PCB TOTAL	9.2	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8405	8/6/84	ROCK BASS	SKIN ON FILLET	U	4	6.7	0.1	PCB TOTAL	5.2	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8404	8/6/84	ROCK BASS	SKIN ON FILLET	U	5	8.27	0.2	PCB TOTAL	3.9	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8505	9/16/85	ROCK BASS	SKIN ON FILLET	U	3	7.8	0.16	PCB TOTAL	6.1	M	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8803	6/28/88	ROCK BASS	SKIN ON FILLET	F	1	7.5	0.15	FAT PERCENT NON-HEX EXT	0.6	M	%
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8802	6/28/88	ROCK BASS	SKIN ON FILLET	M	2	7	0.13	FAT PERCENT NON-HEX EXT	0.5	M	%
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8804	6/28/88	ROCK BASS	SKIN ON FILLET	F	1	7.7	0.17	FAT PERCENT NON-HEX EXT	0.3	M	%
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8805	6/28/88	ROCK BASS	SKIN ON FILLET	M	1	8.6	0.23	FAT PERCENT NON-HEX EXT	0.3	M	%
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8805	6/28/88	ROCK BASS	SKIN ON FILLET	M	1	8.6	0.23	MERCURY FISH AND TISSUE	0.87	1	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8804	6/28/88	ROCK BASS	SKIN ON FILLET	F	1	7.7	0.17	PCB 1248/1254	8.7	M	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8802	6/28/88	ROCK BASS	SKIN ON FILLET	M	2	7	0.13	PCB 1248/1254	0.61	M	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8803	6/28/88	ROCK BASS	SKIN ON FILLET	F	1	7.5	0.15	PCB 1248/1254	0.53	M	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8805	6/28/88	ROCK BASS	SKIN ON FILLET	M	1	8.6	0.23	PCB 1254 FISH	1.9	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8614	10/23/86	ROCK BASS	SKIN ON FILLET	U	2	6.52	0.11	FAT PERCENT NON-HEX EXT	0.6	M	%

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605027	SHEBOYGAN RIVER KIWANIS PARK	8619	10/23/86	ROCK BASS	SKIN ON FILLET	U	2	8.8	0.3	FAT PERCENT NON-HEX EXT	0.5	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	FAT PERCENT NON-HEX EXT	2.1	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	FAT PERCENT NON-HEX EXT	0.4	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8805	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	7.5	0.16	FAT PERCENT NON-HEX EXT	0.4	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	FAT PERCENT NON-HEX EXT	0.3	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	FAT PERCENT NON-HEX EXT	0.3	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB 1248/1254	6	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB 1248/1254	1.4	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8805	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	7.5	0.16	PCB 1248/1254	1.3	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #005/008	77	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #005/008	21	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #005/008	36	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #005/008	36	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #006	5.1	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #006	0	2	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #006	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #006	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #007	0.86	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #007	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #007	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #007	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #016/032	37	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #016/032	7.5	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #016/032	13	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #016/032	12	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #017	63	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #017	15	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #017	21	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #017	19	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #018	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #018	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #018	3.5	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #018	3.5	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #019	15	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #019	4.1	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #019	3.9	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #019	3.2	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #022	23	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #022	5	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #022	5.4	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #022	4.3	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #024/027	20	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #024/027	4.4	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #024/027	4.8	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #024/027	4.8	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #026	62	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #026	14	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #026	12	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #026	11	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #028/031	270	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #028/031	57	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #028/031	79	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #028/031	63	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #033	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #033	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #033	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #033	0	0	NG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #037/042	87	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #037/042	17	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #037/042	20	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #037/042	18	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #040	19	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #040	3.7	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #040	3.1	3	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #040	3	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #041/064/071	200	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #041/064/071	42	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #041/064/071	60	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #041/064/071	51	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #044	140	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #044	29	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #044	28	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #044	26	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #045	14	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #045	2.9	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #045	2.7	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #045	2.6	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #046	2.9	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #046	0	2	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #046	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #046	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #047/048	280	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #047/048	70	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #047/048	170	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #047/048	110	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #049	180	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #049	41	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #049	70	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #049	54	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #052	190	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #052	43	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #052	65	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #052	56	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #056/060	140	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #056/060	31	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #056/060	61	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #056/060	49	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #066/095	410	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #066/095	100	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #066/095	210	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #066/095	130	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #070/076	150	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #070/076	25	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #070/076	41	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #070/076	40	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #074	140	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #074	35	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #074	76	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #074	49	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #077/110	410	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #077/110	110	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #077/110	230	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #077/110	110	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #082	38	M	NG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. in Sample	Length (inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #082	7.4	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/8/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #082	14	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/8/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #082	8.3	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #084/092	120	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #084/092	28	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/8/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #084/092	27	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/8/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #084/092	21	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #085	83	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #085	25	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/8/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #085	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/8/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #085	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #087	120	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #087	35	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/8/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #087	73	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/8/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #087	40	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #091	66	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #091	19	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/8/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #091	44	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/8/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #091	22	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #097	83	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #097	25	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/8/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #097	60	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/8/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #097	28	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #099	140	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #099	45	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/8/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #099	130	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/8/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #099	51	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #101	180	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #101	58	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/8/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #101	170	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/8/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #101	71	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #118	270	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #118	73	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/8/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #118	240	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/8/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #118	92	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/8/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #128 TISSUE WET WGHT	39	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/8/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #128 TISSUE WET WGHT	12	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #132/153	290	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #132/153	78	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/8/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #132/153	200	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/8/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #132/153	63	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #135/144	26	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #135/144	6	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/8/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #135/144	13	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/8/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #135/144	5.3	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #136	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #136	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/8/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #136	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/8/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #136	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #137/176	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #137/176	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/8/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #137/176	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/8/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #137/176	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #138/163	290	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #138/163	86	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/8/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #138/163	230	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/8/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #138/163	72	1	NG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (inches)	Weight (kg)	Store Parameter Description	Result Amount	Qual. Code	Units
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #141	18	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #141	5.2	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #141	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #141	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #146	53	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #146	16	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #146	55	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #146	16	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #149	120	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #149	33	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #149	88	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #149	33	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #151	27	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #151	7.5	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #151	18	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #151	7.2	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #167 TISSUE WET WGHT	9.6	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #167 TISSUE WET WGHT	2.6	3	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #170/190	46	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #170/190	13	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #170/190	36	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #170/190	12	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #171/202	6.6	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #171/202	2	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #171/202	4.6	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #171/202	1.4	3	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #172/197	6.8	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #172/197	2	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #172/197	7	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #172/197	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #174	11	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #174	3	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #174	9.7	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #174	3.2	3	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #177	13	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #177	3.9	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #177	13	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #177	3.8	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #178	7.1	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #178	2.2	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #178	6.5	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #178	2	3	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #180	40	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #180	12	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #180	41	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #180	11	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #182/187	22	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #182/187	8.5	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #182/187	29	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #182/187	8.5	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #183	13	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #183	3.6	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #183	11	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #183	3.1	3	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #185	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #185	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #185	0	0	NG/G

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Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/8/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #185	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #194	6.3	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #194	1.9	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #194	4.2	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #194	1.2	3	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #195/208	6	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #195/208	0	2	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #195/208	4.8	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #195/208	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #196/203	10	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #196/203	3.1	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #196/203	7.7	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #196/203	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #199	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #199	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #199	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #199	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #201	8	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #201	2.7	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #201	7.4	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #201	2.2	3	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8801	6/27/88	ROCK BASS	WHOLE FISH	U	3	3.9	0.02	PCB CONG #206	2.7	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8803	6/27/88	ROCK BASS	SKIN ON FILLET	B	3	6	0.07	PCB CONG #206	0	2	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8902	7/6/89	ROCK BASS	SKIN ON FILLET	B	2	7.1	0.12	PCB CONG #206	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8903	7/6/89	ROCK BASS	SKIN ON FILLET	B	3	8.6	0.21	PCB CONG #206	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8619	10/23/86	ROCK BASS	SKIN ON FILLET	U	2	8.8	0.3	PCB TOTAL	3.3	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8614	10/23/86	ROCK BASS	SKIN ON FILLET	U	2	6.52	0.11	PCB TOTAL	3	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	ALDRIN	0.03	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	ALDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	ALPHA-CHLORDANE	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	ALPHA-CHLORDANE	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	ARSENIC FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	ARSENIC FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	BHC ALPHA	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	BHC ALPHA	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	BHC GAMMA (LINDANE)	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	BHC GAMMA (LINDANE)	-0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	CHLORDANE GAMMA	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	CHLORDANE GAMMA	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	CHROMIUM FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	CHROMIUM FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	CIS-NONACHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	CIS-NONACHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	COPPER FISH AND TISSUE	0.9	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	COPPER FISH AND TISSUE	2.4	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	DDD O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	DDD O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	DDD P P	0.09	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	DDD P P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	DDE O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	DDE O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	DDE P P	0.39	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	DDE P P	0.88	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	DDT O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	DDT O P	0.05	4	UG/G



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Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. in Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	DDT P P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	DDT P P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	DIELDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	DIELDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	ENDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	ENDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7803	3/31/78	ROCK BASS	WHOLE FISH	U	1	8	0	FAT PERCENT NON-HEX EXT	2	M	%
605024	SHEBOYGAN RIVER MOUTH	7811	4/27/78	ROCK BASS	WHOLE FISH	U	2	4.7	0	FAT PERCENT NON-HEX EXT	2.3	M	%
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	FAT PERCENT NON-HEX EXT	2.1	M	%
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	FAT PERCENT NON-HEX EXT	2.6	M	%
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	HEXACHLOROBENZENE	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	HEXACHLOROBENZENE	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	LEAD FISH AND TISSUE	5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	LEAD FISH AND TISSUE	5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	MERCURY FISH AND TISSUE	0.32	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	MERCURY FISH AND TISSUE	0.32	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	METHOXYCHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	METHOXYCHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	NONACHLOR TRANS FISH	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	NONACHLOR TRANS FISH	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7803	3/31/78	ROCK BASS	WHOLE FISH	U	1	8	0	PCB TOTAL	10	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7811	4/27/78	ROCK BASS	WHOLE FISH	U	2	4.7	0	PCB TOTAL	86	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	PCB TOTAL	77	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8202	7/22/82	ROCK BASS	WHOLE FISH	U	3	5.7	0.2	PCB TOTAL	53	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7903	7/10/79	ROCK BASS	WHOLE FISH	U	3	6.1	0.13	PENTACHLOROPHENOL	0.05	4	UG/G
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	7802	4/26/78	ROCK BASS	WHOLE FISH	U	6	7.7	0	FAT PERCENT NON-HEX EXT	0.9	M	%
605031	SHEBOYGAN RIVER SHEBOYGAN FALLS	7802	4/26/78	ROCK BASS	WHOLE FISH	U	6	7.7	0	PCB TOTAL	2	M	UG/G
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8802	6/28/88	ROCK BASS	SKIN ON FILLET	F	1	6.8	0.11	FAT PERCENT NON-HEX EXT	0.5	M	%
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8803	6/28/88	ROCK BASS	SKIN ON FILLET	F	1	7.3	0.16	FAT PERCENT NON-HEX EXT	0.3	M	%
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8804	6/28/88	ROCK BASS	SKIN ON FILLET	M	1	7.7	0.2	FAT PERCENT NON-HEX EXT	0.2	M	%
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8802	6/28/88	ROCK BASS	SKIN ON FILLET	F	1	6.8	0.11	PCB 1248/1254	3	M	UG/G
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8803	6/28/88	ROCK BASS	SKIN ON FILLET	F	1	7.3	0.16	PCB 1248/1254	1.2	M	UG/G
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8804	6/28/88	ROCK BASS	SKIN ON FILLET	M	1	7.7	0.2	PCB 1248/1254	0.58	M	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8704	5/12/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	15.4	0.84	FAT PERCENT NON-HEX EXT	0.8	M	%
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8706	5/12/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	10.5	0.29	FAT PERCENT NON-HEX EXT	0.8	M	%
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8705	5/12/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	12.4	0.44	FAT PERCENT NON-HEX EXT	0.8	M	%
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	9206	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.61	0.02	FAT PERCENT NON-HEX EXT	4.7	1	%
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	9202	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	5.21	0.03	FAT PERCENT NON-HEX EXT	4.4	1	%
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	9208	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.88	0.03	FAT PERCENT NON-HEX EXT	4.3	1	%
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	9203	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.8	0.03	FAT PERCENT NON-HEX EXT	4.1	1	%
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	9204	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	5.06	0.03	FAT PERCENT NON-HEX EXT	4.1	1	%
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	9205	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.33	0.02	FAT PERCENT NON-HEX EXT	4.1	1	%
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	9207	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.96	0	FAT PERCENT NON-HEX EXT	4.1	1	%
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	9201	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.91	0.03	FAT PERCENT NON-HEX EXT	4	1	%
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	9209	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	5.08	0.03	FAT PERCENT NON-HEX EXT	3.9	1	%
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	9210	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	5.55	0.04	FAT PERCENT NON-HEX EXT	3.8	1	%
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8704	5/12/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	15.4	0.84	PCB TOTAL	0.24	M	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8705	5/12/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	12.4	0.44	PCB TOTAL	0.2	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	8706	5/12/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	10.5	0.29	PCB TOTAL	0.2	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	9201	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.91	0.03	PCB TOTAL	0.2	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	9202	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	5.21	0.03	PCB TOTAL	0.2	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	9203	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.8	0.03	PCB TOTAL	0.2	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	9204	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	5.06	0.03	PCB TOTAL	0.2	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	9205	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.33	0.02	PCB TOTAL	0.2	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	9206	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.61	0.02	PCB TOTAL	0.2	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	9207	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.96	0	PCB TOTAL	0.2	4	UG/G
605037	SHEBOYGAN RIVER ABOVE SHEBOYGAN FALLS	9208	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.88	0.03	PCB TOTAL	0.2	4	UG/G



WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605045	SHEBOYGAN RIVER BELOW FRANKLIN	8404	6/20/94	SMALLMOUTH BASS	SKIN ON FILLET	F	1	13.3	0.59	PCB TISSUE	0	2	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8302	7/28/83	SMALLMOUTH BASS	SKIN ON FILLET	U	2	13.1	0.58	2 3 7 8-TETRACHLORODIBENZOFURAN	235	M	NG/KG
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	ALPHA-CHLORDANE	0.09	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	ARSENIC FISH AND TISSUE	2	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	BHC ALPHA	0.01	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	CHLORDANE GAMMA	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	CHROMIUM FISH AND TISSUE	0.5	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	CIS-NONACHLOR	0.1	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	COPPER FISH AND TISSUE	2.1	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	DDD O P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	DDD P P	0.1	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	DDE O P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	DDE P P	1.5	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	DDT O P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	DDT P P	0.08	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	DIELDRIN	0.02	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	ENDRIN	0.02	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	FAT PERCENT NON-HEX EXT	2.4	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8302	7/28/83	SMALLMOUTH BASS	SKIN ON FILLET	U	2	13.1	0.58	FAT PERCENT NON-HEX EXT	2.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8503	9/18/85	SMALLMOUTH BASS	SKIN ON FILLET	U	1	11	0.32	FAT PERCENT NON-HEX EXT	2	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8504	9/18/85	SMALLMOUTH BASS	SKIN ON FILLET	U	1	11.4	0.3	FAT PERCENT NON-HEX EXT	0.8	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8701	1/1/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	10	0.25	FAT PERCENT NON-HEX EXT	0.1	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8808	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	F	1	10.9	0.33	FAT PERCENT NON-HEX EXT	0.9	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8805	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	F	1	9.8	0.16	FAT PERCENT NON-HEX EXT	0.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8808	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.3	0.82	FAT PERCENT NON-HEX EXT	0.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8807	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	F	1	13.1	0.52	FAT PERCENT NON-HEX EXT	0.4	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9234	6/18/92	SMALLMOUTH BASS	WHOLE FISH	U	1	6.26	0.06	FAT PERCENT NON-HEX EXT	5.5	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9235	6/18/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.94	0.03	FAT PERCENT NON-HEX EXT	4.1	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9232	6/18/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.8	0.03	FAT PERCENT NON-HEX EXT	3.3	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9233	6/18/92	SMALLMOUTH BASS	WHOLE FISH	U	4	4.84	0.02	FAT PERCENT NON-HEX EXT	2.3	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9229	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.63	0.02	FAT PERCENT NON-HEX EXT	4.1	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9230	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.68	0.02	FAT PERCENT NON-HEX EXT	3.8	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9231	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.99	0.03	FAT PERCENT NON-HEX EXT	3.8	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9204	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.91	0.05	FAT PERCENT NON-HEX EXT	9	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9207	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.22	0.03	FAT PERCENT NON-HEX EXT	4.9	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9210	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	2	5.3	0.03	FAT PERCENT NON-HEX EXT	4.8	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9220	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	1	5.24	0.03	FAT PERCENT NON-HEX EXT	4.7	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9209	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	4.95	0.03	FAT PERCENT NON-HEX EXT	4.6	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9203	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.25	0.03	FAT PERCENT NON-HEX EXT	4.5	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9208	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.5	0.04	FAT PERCENT NON-HEX EXT	4.5	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9218	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	6.05	0.05	FAT PERCENT NON-HEX EXT	4.5	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9219	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.68	0.04	FAT PERCENT NON-HEX EXT	4.3	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9202	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	4.99	0.03	FAT PERCENT NON-HEX EXT	4.1	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9205	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	4.91	0.03	FAT PERCENT NON-HEX EXT	4.1	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9214	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	6.27	0.05	FAT PERCENT NON-HEX EXT	4.1	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9206	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.88	0.04	FAT PERCENT NON-HEX EXT	3.9	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9216	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	6.3	0.05	FAT PERCENT NON-HEX EXT	3.9	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9217	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.58	0.04	FAT PERCENT NON-HEX EXT	3.9	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9201	7/17/92	SMALLMOUTH BASS	WHOLE FISH	B	3	5	0.03	FAT PERCENT NON-HEX EXT	3.8	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9212	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.73	0.04	FAT PERCENT NON-HEX EXT	3.8	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9215	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.3	0.03	FAT PERCENT NON-HEX EXT	3.8	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9211	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.98	0.05	FAT PERCENT NON-HEX EXT	3.7	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9213	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.58	0.04	FAT PERCENT NON-HEX EXT	3.3	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9471	4/18/94	SMALLMOUTH BASS	SKIN ON FILLET	B	2	11.4	0.61	FAT PERCENT NON-HEX EXT	0.5	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9466	4/25/94	SMALLMOUTH BASS	WHOLE FISH	B	4	12.4	2.11	FAT PERCENT NON-HEX EXT	5.8	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9464	4/25/94	SMALLMOUTH BASS	WHOLE FISH	B	5	8.4	0.72	FAT PERCENT NON-HEX EXT	2.6	1	%

WDNR Fish Tissue Dataset

Location Code	Site Name	Collection Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (Kg)	Stored Parameter Description	Result Amount	Qual. Code	Units
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9468	4/25/94	SMALLMOUTH BASS	WHOLE FISH	B	4	12.5	1.43	FAT PERCENT NON-HEX EXT	2.5	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9478	4/25/94	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.2	0.88	FAT PERCENT NON-HEX EXT	1.9	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9462	4/25/94	SMALLMOUTH BASS	WHOLE FISH	U	6	6.9	0.43	FAT PERCENT NON-HEX EXT	1.6	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9465	4/25/94	SMALLMOUTH BASS	SKIN ON FILLET	B	4	12.4	2.11	FAT PERCENT NON-HEX EXT	1	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9472	4/25/94	SMALLMOUTH BASS	SKIN ON FILLET	F	1	13.2	0.66	FAT PERCENT NON-HEX EXT	1	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9477	4/25/94	SMALLMOUTH BASS	SKIN ON FILLET	F	1	14.8	0.95	FAT PERCENT NON-HEX EXT	0.9	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9463	4/25/94	SMALLMOUTH BASS	SKIN ON FILLET	B	5	8.4	0.72	FAT PERCENT NON-HEX EXT	0.8	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9467	4/25/94	SMALLMOUTH BASS	SKIN ON FILLET	B	4	12.5	1.43	FAT PERCENT NON-HEX EXT	0.7	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9479	4/25/94	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.5	0.89	FAT PERCENT NON-HEX EXT	0.8	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9461	4/25/94	SMALLMOUTH BASS	SKIN ON FILLET	U	6	6.9	0.43	FAT PERCENT NON-HEX EXT	0.5	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9475	4/25/94	SMALLMOUTH BASS	SKIN ON FILLET	F	1	14.7	0.67	FAT PERCENT NON-HEX EXT	0.4	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9469	4/26/94	SMALLMOUTH BASS	SKIN ON FILLET	F	2	13.1	1.24	FAT PERCENT NON-HEX EXT	1	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9473	5/9/94	SMALLMOUTH BASS	SKIN ON FILLET	F	1	14.2	0.72	FAT PERCENT NON-HEX EXT	1	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9470	5/9/94	SMALLMOUTH BASS	SKIN ON FILLET	F	4	11.1	1.28	FAT PERCENT NON-HEX EXT	0.5	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9493	8/22/94	SMALLMOUTH BASS	SKIN ON FILLET	F	1	12.3	0.46	FAT PERCENT NON-HEX EXT	0.7	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9495	8/22/94	SMALLMOUTH BASS	SKIN ON FILLET	F	1	14.2	0.66	FAT PERCENT NON-HEX EXT	0.6	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9494	8/22/94	SMALLMOUTH BASS	SKIN ON FILLET	F	1	12.5	0.56	FAT PERCENT NON-HEX EXT	0.4	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	HEXACHLOROBENZENE	0.01	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	LEAD FISH AND TISSUE	5	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	MERCURY FISH AND TISSUE	0.74	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	METHOXYCHLOR	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	NONACHLOR TRANS FISH	0.14	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8806	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	F	1	10.9	0.33	PCB 1248/1254	4.5	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8805	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	F	1	9.6	0.16	PCB 1248/1254	3.5	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8807	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	F	1	13.1	0.52	PCB 1248/1254	2.9	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8808	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.3	0.82	PCB 1248/1254	2.6	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9471	4/18/94	SMALLMOUTH BASS	SKIN ON FILLET	B	2	11.4	0.61	PCB 1248/1254	3.8	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9466	4/25/94	SMALLMOUTH BASS	WHOLE FISH	B	4	12.4	2.11	PCB 1248/1254	14	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9468	4/25/94	SMALLMOUTH BASS	WHOLE FISH	B	4	12.5	1.43	PCB 1248/1254	11	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9462	4/25/94	SMALLMOUTH BASS	WHOLE FISH	U	6	6.9	0.43	PCB 1248/1254	9.8	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9464	4/25/94	SMALLMOUTH BASS	WHOLE FISH	B	5	8.4	0.72	PCB 1248/1254	6.2	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9478	4/25/94	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.2	0.88	PCB 1248/1254	3	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9461	4/25/94	SMALLMOUTH BASS	SKIN ON FILLET	U	6	6.9	0.43	PCB 1248/1254	2.8	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9463	4/25/94	SMALLMOUTH BASS	SKIN ON FILLET	B	5	8.4	0.72	PCB 1248/1254	2.6	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9467	4/25/94	SMALLMOUTH BASS	SKIN ON FILLET	B	4	12.5	1.43	PCB 1248/1254	2.5	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9472	4/25/94	SMALLMOUTH BASS	SKIN ON FILLET	F	1	13.2	0.66	PCB 1248/1254	2.4	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9477	4/25/94	SMALLMOUTH BASS	SKIN ON FILLET	F	1	14.8	0.95	PCB 1248/1254	1.7	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9465	4/25/94	SMALLMOUTH BASS	SKIN ON FILLET	B	4	12.4	2.11	PCB 1248/1254	1.6	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9475	4/25/94	SMALLMOUTH BASS	SKIN ON FILLET	F	1	14.7	0.67	PCB 1248/1254	1.2	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9479	4/25/94	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.5	0.89	PCB 1248/1254	0.61	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9469	4/26/94	SMALLMOUTH BASS	SKIN ON FILLET	F	2	13.1	1.24	PCB 1248/1254	1.4	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9473	5/9/94	SMALLMOUTH BASS	SKIN ON FILLET	F	1	14.2	0.72	PCB 1248/1254	1.4	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9470	5/9/94	SMALLMOUTH BASS	SKIN ON FILLET	F	4	11.1	1.28	PCB 1248/1254	1.3	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9495	8/22/94	SMALLMOUTH BASS	SKIN ON FILLET	F	1	14.2	0.66	PCB 1248/1254	2	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9494	8/22/94	SMALLMOUTH BASS	SKIN ON FILLET	F	1	12.5	0.56	PCB 1248/1254	1.5	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9493	8/22/94	SMALLMOUTH BASS	SKIN ON FILLET	F	1	12.3	0.46	PCB 1248/1254	0.73	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	PCB TOTAL	150	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8302	7/28/83	SMALLMOUTH BASS	SKIN ON FILLET	U	2	13.1	0.58	PCB TOTAL	45	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8503	9/16/85	SMALLMOUTH BASS	SKIN ON FILLET	U	1	11	0.32	PCB TOTAL	25	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8504	9/18/85	SMALLMOUTH BASS	SKIN ON FILLET	U	1	11.4	0.3	PCB TOTAL	12	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8701	1/1/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	10	0.25	PCB TOTAL	1.7	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9234	6/16/92	SMALLMOUTH BASS	WHOLE FISH	U	1	6.26	0.06	PCB TOTAL	15	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9235	6/16/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.94	0.03	PCB TOTAL	12	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9232	6/16/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.8	0.03	PCB TOTAL	11	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9233	6/16/92	SMALLMOUTH BASS	WHOLE FISH	U	4	4.84	0.02	PCB TOTAL	8.7	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9229	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.63	0.02	PCB TOTAL	13	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9230	6/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.68	0.02	PCB TOTAL	13	M	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result	Qual.	Units
											Amount	Code	
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9231	8/19/92	SMALLMOUTH BASS	WHOLE FISH	U	5	4.99	0.03	PCB TOTAL	11	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9208	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.5	0.04	PCB TOTAL	24	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9207	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.22	0.03	PCB TOTAL	22	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9203	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.25	0.03	PCB TOTAL	21	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9205	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	4.91	0.03	PCB TOTAL	20	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9202	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	4.99	0.03	PCB TOTAL	19	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9209	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	4.95	0.03	PCB TOTAL	19	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9204	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.91	0.05	PCB TOTAL	18	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9210	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	2	5.3	0.03	PCB TOTAL	18	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9201	7/17/92	SMALLMOUTH BASS	WHOLE FISH	B	3	5	0.03	PCB TOTAL	15	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9206	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.88	0.04	PCB TOTAL	15	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9220	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	1	5.24	0.03	PCB TOTAL	14	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9219	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.66	0.04	PCB TOTAL	13	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9215	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.3	0.03	PCB TOTAL	12	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9217	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.56	0.04	PCB TOTAL	12	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9218	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	6.05	0.05	PCB TOTAL	12	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9213	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.56	0.04	PCB TOTAL	11	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9214	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	6.27	0.05	PCB TOTAL	11	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9212	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.73	0.04	PCB TOTAL	10	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9216	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	6.3	0.05	PCB TOTAL	10	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9211	7/17/92	SMALLMOUTH BASS	WHOLE FISH	U	3	5.98	0.05	PCB TOTAL	9.9	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7909	7/10/79	SMALLMOUTH BASS	WHOLE FISH	U	1	14.5	0.7	PENTACHLOROPHENOL	0.05	4	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8704	5/11/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	11.2	0.31	FAT PERCENT NON-HEX EXT	0.6	M	%
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8705	5/11/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	11	0.29	FAT PERCENT NON-HEX EXT	0.5	M	%
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8706	5/11/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	10.2	0.3	FAT PERCENT NON-HEX EXT	0.4	M	%
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8707	6/23/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	11.5	0.32	FAT PERCENT NON-HEX EXT	0.5	M	%
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8814	6/28/88	SMALLMOUTH BASS	SKIN ON FILLET	U	1	12.6	0.45	FAT PERCENT NON-HEX EXT	0.9	M	%
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8813	6/28/88	SMALLMOUTH BASS	SKIN ON FILLET	U	1	12	0.4	FAT PERCENT NON-HEX EXT	0.8	M	%
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8814	6/28/88	SMALLMOUTH BASS	SKIN ON FILLET	U	1	12.6	0.45	MERCURY FISH AND TISSUE	0.73	1	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8813	6/28/88	SMALLMOUTH BASS	SKIN ON FILLET	U	1	12	0.4	MERCURY FISH AND TISSUE	0.48	1	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8814	6/28/88	SMALLMOUTH BASS	SKIN ON FILLET	U	1	12.6	0.45	PCB 1248/1254	1.4	M	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8813	6/28/88	SMALLMOUTH BASS	SKIN ON FILLET	U	1	12	0.4	PCB 1248/1254	1.3	M	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8704	5/11/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	11.2	0.31	PCB TOTAL	8.3	M	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8705	5/11/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	11	0.29	PCB TOTAL	4.3	M	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8706	5/11/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	10.2	0.3	PCB TOTAL	1.4	M	UG/G
605030	SHEBOYGAN RIVER BELOW SHEBOYGAN FALLS	8707	6/23/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	11.5	0.32	PCB TOTAL	10	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8802	8/24/88	SMALLMOUTH BASS	SKIN ON FILLET	F	1	8.8	0.15	AROCOLOR 1248/1254/1260	3.9	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8801	8/24/88	SMALLMOUTH BASS	SKIN ON FILLET	U	2	6.75	0.06	AROCOLOR 1248/1254/1260	3.7	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8803	8/24/88	SMALLMOUTH BASS	SKIN ON FILLET	F	1	9.2	0.17	AROCOLOR 1248/1254/1260	3.5	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8805	8/24/88	SMALLMOUTH BASS	SKIN ON FILLET	F	1	10	0.25	FAT PERCENT NON-HEX EXT	1.2	M	%
605025	SHEBOYGAN RIVER HARBOR	8804	8/24/88	SMALLMOUTH BASS	SKIN ON FILLET	F	1	9.7	0.19	FAT PERCENT NON-HEX EXT	0.8	M	%
605025	SHEBOYGAN RIVER HARBOR	8802	8/24/88	SMALLMOUTH BASS	SKIN ON FILLET	F	1	8.8	0.15	FAT PERCENT NON-HEX EXT	0.7	M	%
605025	SHEBOYGAN RIVER HARBOR	8801	8/24/88	SMALLMOUTH BASS	SKIN ON FILLET	U	2	6.75	0.06	FAT PERCENT NON-HEX EXT	0.6	M	%
605025	SHEBOYGAN RIVER HARBOR	8803	8/24/88	SMALLMOUTH BASS	SKIN ON FILLET	F	1	9.2	0.17	FAT PERCENT NON-HEX EXT	0.4	M	%
605025	SHEBOYGAN RIVER HARBOR	9005	5/14/90	SMALLMOUTH BASS	SKIN ON FILLET	F	1	13.7	0.73	FAT PERCENT NON-HEX EXT	3.8	1	%
605025	SHEBOYGAN RIVER HARBOR	9004	5/14/90	SMALLMOUTH BASS	SKIN ON FILLET	M	1	11.9	0.43	FAT PERCENT NON-HEX EXT	1.8	1	%
605025	SHEBOYGAN RIVER HARBOR	9003	5/14/90	SMALLMOUTH BASS	SKIN ON FILLET	M	1	9.8	0.21	FAT PERCENT NON-HEX EXT	1.1	1	%
605025	SHEBOYGAN RIVER HARBOR	9002	5/14/90	SMALLMOUTH BASS	SKIN ON FILLET	M	2	8.35	0.12	FAT PERCENT NON-HEX EXT	1	1	%
605025	SHEBOYGAN RIVER HARBOR	8805	8/24/88	SMALLMOUTH BASS	SKIN ON FILLET	F	1	10	0.25	PCB 1248/1254	4.4	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	8804	8/24/88	SMALLMOUTH BASS	SKIN ON FILLET	F	1	9.7	0.19	PCB 1248/1254	4.2	M	UG/G
605025	SHEBOYGAN RIVER HARBOR	9005	5/14/90	SMALLMOUTH BASS	SKIN ON FILLET	F	1	13.7	0.73	PCB 1248/1254	4.4	1	UG/G
605025	SHEBOYGAN RIVER HARBOR	9002	5/14/90	SMALLMOUTH BASS	SKIN ON FILLET	M	2	8.35	0.12	PCB 1248/1254	1.5	1	UG/G
605025	SHEBOYGAN RIVER HARBOR	9004	5/14/90	SMALLMOUTH BASS	SKIN ON FILLET	M	1	11.9	0.43	PCB 1248/1254	1.1	1	UG/G
605025	SHEBOYGAN RIVER HARBOR	9003	5/14/90	SMALLMOUTH BASS	SKIN ON FILLET	M	1	9.8	0.21	PCB 1248/1254	1	1	UG/G
605027	SHEBOYGAN RIVER KWANIS PARK	8908	7/6/89	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.9	0.29	2 3 7 8-TETRACHLORODIBENZO-P-DIOXIN	1.3	4	NG/KG
605027	SHEBOYGAN RIVER KWANIS PARK	8906	7/6/89	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.9	0.29	2 3 7 8-TETRACHLORODIBENZOFURAN	2.67	M	NG/KG
605027	SHEBOYGAN RIVER KWANIS PARK	8813	10/23/88	SMALLMOUTH BASS	SKIN ON FILLET	U	1	10.87	0.3	FAT PERCENT NON-HEX EXT	1.1	M	%

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result	Qual.	Units
											Amount	Code	
605027	SHEBOYGAN RIVER KIWANIS PARK	8807	6/27/88	SMALLMOUTH BASS	WHOLE FISH	U	3	4.8	0.02	FAT PERCENT NON-HEX EXT	3	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8809	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.6	0.28	FAT PERCENT NON-HEX EXT	0.8	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8811	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	13.8	0.56	FAT PERCENT NON-HEX EXT	0.5	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8907	7/8/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.9	0.65	FAT PERCENT NON-HEX EXT	1	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8905	7/8/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	10.5	0.3	FAT PERCENT NON-HEX EXT	0.8	1	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8807	6/27/88	SMALLMOUTH BASS	WHOLE FISH	U	3	4.8	0.02	PCB 1248/1254	9	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8809	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.6	0.28	PCB 1248/1254	2.6	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8811	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	13.8	0.56	PCB 1248/1254	2.3	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8905	7/8/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	10.5	0.3	PCB 1248/1254	1.5	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8807	6/27/88	SMALLMOUTH BASS	WHOLE FISH	U	3	4.8	0.02	PCB CONG #005/008	110	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8811	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	13.8	0.56	PCB CONG #005/008	29	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8809	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.6	0.28	PCB CONG #005/008	28	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8907	7/8/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.9	0.65	PCB CONG #005/008	170	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8807	6/27/88	SMALLMOUTH BASS	WHOLE FISH	U	3	4.8	0.02	PCB CONG #006	6.6	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8809	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.6	0.28	PCB CONG #006	0	2	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8811	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	13.8	0.56	PCB CONG #006	0	2	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8907	7/8/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.9	0.65	PCB CONG #006	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8807	6/27/88	SMALLMOUTH BASS	WHOLE FISH	U	3	4.8	0.02	PCB CONG #007	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8809	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.6	0.28	PCB CONG #007	0	2	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8811	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	13.8	0.56	PCB CONG #007	0	2	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8907	7/8/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.9	0.65	PCB CONG #007	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8807	6/27/88	SMALLMOUTH BASS	WHOLE FISH	U	3	4.8	0.02	PCB CONG #018/032	47	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8809	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.6	0.28	PCB CONG #016/032	14	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8811	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	13.8	0.56	PCB CONG #016/032	13	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8907	7/8/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.9	0.65	PCB CONG #016/032	94	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8807	6/27/88	SMALLMOUTH BASS	WHOLE FISH	U	3	4.8	0.02	PCB CONG #017	92	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8809	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.6	0.28	PCB CONG #017	22	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8811	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	13.8	0.56	PCB CONG #017	19	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8907	7/8/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.9	0.65	PCB CONG #017	170	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8807	6/27/88	SMALLMOUTH BASS	WHOLE FISH	U	3	4.8	0.02	PCB CONG #018	31	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8809	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.6	0.28	PCB CONG #018	7.9	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8811	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	13.8	0.56	PCB CONG #018	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8907	7/8/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.9	0.65	PCB CONG #018	27	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8807	6/27/88	SMALLMOUTH BASS	WHOLE FISH	U	3	4.8	0.02	PCB CONG #019	20	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8809	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.6	0.28	PCB CONG #019	5.2	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8811	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	13.8	0.56	PCB CONG #019	5	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8907	7/8/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.9	0.65	PCB CONG #019	13	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8807	6/27/88	SMALLMOUTH BASS	WHOLE FISH	U	3	4.8	0.02	PCB CONG #022	30	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8809	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.6	0.28	PCB CONG #022	8.6	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8811	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	13.8	0.56	PCB CONG #022	7.6	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8907	7/8/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.9	0.65	PCB CONG #022	36	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8807	6/27/88	SMALLMOUTH BASS	WHOLE FISH	U	3	4.8	0.02	PCB CONG #024/027	28	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8809	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.6	0.28	PCB CONG #024/027	6.4	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8811	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	13.8	0.56	PCB CONG #024/027	5.9	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8907	7/8/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.9	0.65	PCB CONG #024/027	32	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8807	6/27/88	SMALLMOUTH BASS	WHOLE FISH	U	3	4.8	0.02	PCB CONG #026	83	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8809	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.6	0.28	PCB CONG #026	25	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8811	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	13.8	0.56	PCB CONG #026	18	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8907	7/8/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.9	0.65	PCB CONG #026	110	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8807	6/27/88	SMALLMOUTH BASS	WHOLE FISH	U	3	4.8	0.02	PCB CONG #028/031	360	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8809	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.6	0.28	PCB CONG #028/031	110	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8811	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	13.8	0.56	PCB CONG #028/031	81	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8907	7/8/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.9	0.65	PCB CONG #028/031	620	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8807	6/27/88	SMALLMOUTH BASS	WHOLE FISH	U	3	4.8	0.02	PCB CONG #033	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8809	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.6	0.28	PCB CONG #033	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8811	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	13.8	0.56	PCB CONG #033	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8907	7/8/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.9	0.65	PCB CONG #033	0	0	NG/G









WDNR Fish Tissue Dataset

Location Code	Site Name	Collection Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605027	SHEBOYGAN RIVER KIWANIS PARK	8811	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	13.8	0.56	PCB CONG #194	3.5	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8809	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.6	0.28	PCB CONG #194	2.3	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8907	7/6/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.9	0.65	PCB CONG #194	10	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8811	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	13.8	0.56	PCB CONG #195/208	3.6	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8809	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.6	0.28	PCB CONG #195/208	2.6	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8807	6/27/88	SMALLMOUTH BASS	WHOLE FISH	U	3	4.8	0.02	PCB CONG #195/208	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8907	7/6/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.9	0.65	PCB CONG #195/208	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8807	6/27/88	SMALLMOUTH BASS	WHOLE FISH	U	3	4.8	0.02	PCB CONG #196/203	10	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8811	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	13.8	0.56	PCB CONG #196/203	6.1	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8809	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.6	0.28	PCB CONG #196/203	4.4	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8907	7/6/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.9	0.65	PCB CONG #196/203	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8807	6/27/88	SMALLMOUTH BASS	WHOLE FISH	U	3	4.8	0.02	PCB CONG #199	0	2	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8809	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.6	0.28	PCB CONG #199	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8811	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	13.8	0.56	PCB CONG #199	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8907	7/6/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.9	0.65	PCB CONG #199	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8807	6/27/88	SMALLMOUTH BASS	WHOLE FISH	U	3	4.8	0.02	PCB CONG #201	7.7	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8811	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	13.8	0.56	PCB CONG #201	5.2	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8809	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.6	0.28	PCB CONG #201	3.9	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8907	7/6/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.9	0.65	PCB CONG #201	15	1	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8807	6/27/88	SMALLMOUTH BASS	WHOLE FISH	U	3	4.8	0.02	PCB CONG #206	3	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8811	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	13.8	0.56	PCB CONG #206	1.7	M	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8809	6/27/88	SMALLMOUTH BASS	SKIN ON FILLET	B	3	10.6	0.28	PCB CONG #206	0	2	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8907	7/6/89	SMALLMOUTH BASS	SKIN ON FILLET	F	1	15.9	0.65	PCB CONG #206	0	0	NG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8813	10/23/88	SMALLMOUTH BASS	SKIN ON FILLET	U	1	10.67	0.3	PCB TOTAL	13	M	UG/G
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8702	5/12/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	11.1	0.34	FAT PERCENT NON-HEX EXT	0.6	M	%
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8701	5/12/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	11.2	0.34	FAT PERCENT NON-HEX EXT	0.4	M	%
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8703	5/12/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	11.1	0.3	FAT PERCENT NON-HEX EXT	0.4	M	%
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8807	6/28/88	SMALLMOUTH BASS	SKIN ON FILLET	U	1	5.1	0.03	FAT PERCENT NON-HEX EXT	1	M	%
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8810	6/28/88	SMALLMOUTH BASS	SKIN ON FILLET	U	1	14.4	0.77	FAT PERCENT NON-HEX EXT	0.8	M	%
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8808	6/28/88	SMALLMOUTH BASS	SKIN ON FILLET	M	1	7.4	0.09	FAT PERCENT NON-HEX EXT	0.6	M	%
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8809	6/28/88	SMALLMOUTH BASS	SKIN ON FILLET	F	1	13.2	0.48	FAT PERCENT NON-HEX EXT	0.5	M	%
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8810	6/28/88	SMALLMOUTH BASS	SKIN ON FILLET	U	1	14.4	0.77	PCB 1248/1254	17	M	UG/G
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8809	6/28/88	SMALLMOUTH BASS	SKIN ON FILLET	F	1	13.2	0.48	PCB 1248/1254	7.4	M	UG/G
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8807	6/28/88	SMALLMOUTH BASS	SKIN ON FILLET	U	1	5.1	0.03	PCB 1248/1254	6.7	M	UG/G
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8808	6/28/88	SMALLMOUTH BASS	SKIN ON FILLET	M	1	7.4	0.09	PCB 1248/1254	6.4	M	UG/G
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8702	5/12/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	11.1	0.34	PCB TOTAL	9.7	M	UG/G
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8701	5/12/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	11.2	0.34	PCB TOTAL	8.9	M	UG/G
605036	SHEBOYGAN RIVER UPSTREAM KOHLER DAM	8703	5/12/87	SMALLMOUTH BASS	SKIN ON FILLET	U	1	11.1	0.3	PCB TOTAL	4.4	M	UG/G
605033	SHEBOYGAN RIVER ABOVE JOHNSONVILLE	7805	4/28/78	STONECAT	WHOLE FISH	U	14	5	0	FAT PERCENT NON-HEX EXT	1.1	M	%
605033	SHEBOYGAN RIVER ABOVE JOHNSONVILLE	7805	4/28/78	STONECAT	WHOLE FISH	U	14	5	0	PCB TOTAL	0.4	M	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8601	10/28/86	WALLEYE	SKIN OFF FILLET	U	1	26.4	1.07	ALPHA-CHLORDANE	0.05	4	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8601	10/28/86	WALLEYE	SKIN OFF FILLET	U	1	26.4	1.07	CHLORDANE GAMMA	0.05	4	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8601	10/28/86	WALLEYE	SKIN OFF FILLET	U	1	26.4	1.07	CIS-NONACHLOR	0.05	4	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8601	10/28/86	WALLEYE	SKIN OFF FILLET	U	1	26.4	1.07	DIELDRIN	0.02	4	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8601	10/28/86	WALLEYE	SKIN OFF FILLET	U	1	26.4	1.07	FAT PERCENT NON-HEX EXT	1.5	M	%
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8601	10/28/86	WALLEYE	SKIN OFF FILLET	U	1	26.4	1.07	MERCURY FISH AND TISSUE	0.52	M	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8601	10/28/86	WALLEYE	SKIN OFF FILLET	U	1	26.4	1.07	NONACHLOR TRANS FISH	0.05	4	UG/G
605029	SHEBOYGAN RIVER BELOW HIGHWAY 28	8601	10/28/86	WALLEYE	SKIN OFF FILLET	U	1	26.4	1.07	PCB TOTAL	7.5	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	ALPHA-CHLORDANE	0.18	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9451	5/9/94	WALLEYE	SKIN ON FILLET	F	1	22.1	2.3	AROCLOR 1248/1254/1260	1.2	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9452	5/17/94	WALLEYE	SKIN ON FILLET	M	1	23.2	2.03	AROCLOR 1248/1254/1260	1.9	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	ARSENIC FISH AND TISSUE	2	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	CHLORDANE GAMMA	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	CHROMIUM FISH AND TISSUE	0.5	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	CIS-NONACHLOR	0.1	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	COPPER FISH AND TISSUE	0.7	M	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Store Parameter Description	Result Amount	Qual. Code	Units
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	DDD O P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	DDD P P	0.24	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	DDE O P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	DDE P P	2	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	DDT O P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	DDT P P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	DIELDRIN	0.02	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	ENDRIN	0.02	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	FAT PERCENT NON-HEX EXT	13.7	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8004	7/29/80	WALLEYE	SKIN ON FILLET	U	1	11.8	0.3	FAT PERCENT NON-HEX EXT	2.1	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8401	8/3/84	WALLEYE	SKIN ON FILLET	U	1	20.2	1.5	FAT PERCENT NON-HEX EXT	2.6	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8402	8/3/84	WALLEYE	SKIN ON FILLET	U	1	17	0.75	FAT PERCENT NON-HEX EXT	0.9	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9449	4/25/94	WALLEYE	SKIN ON FILLET	F	1	20	1.05	FAT PERCENT NON-HEX EXT	1.8	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9447	4/26/94	WALLEYE	SKIN ON FILLET	F	1	18.4	1.21	FAT PERCENT NON-HEX EXT	1.3	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9451	5/9/94	WALLEYE	SKIN ON FILLET	F	1	22.1	2.3	FAT PERCENT NON-HEX EXT	6.9	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9454	5/9/94	WALLEYE	SKIN ON FILLET	F	1	25.3	3.4	FAT PERCENT NON-HEX EXT	4.6	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9453	5/9/94	WALLEYE	SKIN ON FILLET	F	1	25.1	3.15	FAT PERCENT NON-HEX EXT	4.4	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9452	5/17/94	WALLEYE	SKIN ON FILLET	M	1	23.2	2.03	FAT PERCENT NON-HEX EXT	2.4	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9448	5/17/94	WALLEYE	SKIN ON FILLET	F	1	19.3	1.24	FAT PERCENT NON-HEX EXT	2.2	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9450	5/17/94	WALLEYE	SKIN ON FILLET	F	1	21.8	1.94	FAT PERCENT NON-HEX EXT	1.5	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9448	5/17/94	WALLEYE	SKIN ON FILLET	F	1	14.1	0.43	FAT PERCENT NON-HEX EXT	1.2	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9444	5/17/94	WALLEYE	SKIN ON FILLET	M	1	12.5	0.34	FAT PERCENT NON-HEX EXT	0.7	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9445	6/21/94	WALLEYE	SKIN ON FILLET	F	1	12.6	0.3	FAT PERCENT NON-HEX EXT	0.4	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	HEXACHLORO BENZENE	0.02	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	LEAD FISH AND TISSUE	5	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	MERCURY FISH AND TISSUE	0.68	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9453	5/9/94	WALLEYE	SKIN ON FILLET	F	1	25.1	3.15	MERCURY TISSUE DRY WT	0.48	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	METHOXYCHLOR	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	NONACHLOR TRANS FISH	0.29	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9449	4/25/94	WALLEYE	SKIN ON FILLET	F	1	20	1.05	PCB 1248/1254	2	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9447	4/26/94	WALLEYE	SKIN ON FILLET	F	1	18.4	1.21	PCB 1248/1254	1.2	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9453	5/9/94	WALLEYE	SKIN ON FILLET	F	1	25.1	3.15	PCB 1248/1254	7.7	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9454	5/9/94	WALLEYE	SKIN ON FILLET	F	1	25.3	3.4	PCB 1248/1254	5.2	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9448	5/17/94	WALLEYE	SKIN ON FILLET	F	1	19.3	1.24	PCB 1248/1254	6	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9450	5/17/94	WALLEYE	SKIN ON FILLET	F	1	21.8	1.94	PCB 1248/1254	1.9	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9444	5/17/94	WALLEYE	SKIN ON FILLET	M	1	12.5	0.34	PCB 1248/1254	1.3	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9448	5/17/94	WALLEYE	SKIN ON FILLET	F	1	14.1	0.43	PCB 1248/1254	0.87	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9445	6/21/94	WALLEYE	SKIN ON FILLET	F	1	12.6	0.3	PCB 1248/1254	0.9	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	PCB TOTAL	900	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8004	7/29/80	WALLEYE	SKIN ON FILLET	U	1	11.8	0.3	PCB TOTAL	58	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8401	8/3/84	WALLEYE	SKIN ON FILLET	U	1	20.2	1.5	PCB TOTAL	32	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8402	8/3/84	WALLEYE	SKIN ON FILLET	U	1	17	0.75	PCB TOTAL	4.8	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	790A	7/10/79	WALLEYE	WHOLE FISH	U	1	15.5	0.7	PENTACHLOROPHENOL	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	8809	8/24/88	WALLEYE	SKIN ON FILLET	F	1	22.1	1.93	FAT PERCENT NON-HEX EXT	1.8	M	%
605025	SHEBOYGAN RIVER HARBOR	8809	8/24/88	WALLEYE	SKIN ON FILLET	F	1	22.1	1.93	PCB 1248/1254	6.7	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8419	10/30/84	WALLEYE	SKIN ON FILLET	U	1	18.62	1.15	ALPHA-CHLORDANE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8419	10/30/84	WALLEYE	SKIN ON FILLET	U	1	18.62	1.15	CHLORDANE GAMMA	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8419	10/30/84	WALLEYE	SKIN ON FILLET	U	1	18.62	1.15	CIS-NONACHLOR	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8419	10/30/84	WALLEYE	SKIN ON FILLET	U	1	18.62	1.15	DIELDRIN	0.02	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8419	10/30/84	WALLEYE	SKIN ON FILLET	U	1	18.62	1.15	FAT PERCENT NON-HEX EXT	1.9	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8814	6/27/88	WALLEYE	SKIN ON FILLET	U	1	19.5	1.37	FAT PERCENT NON-HEX EXT	1.3	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8813	6/27/88	WALLEYE	SKIN ON FILLET	U	1	18.1	1.11	FAT PERCENT NON-HEX EXT	1.1	M	%
605027	SHEBOYGAN RIVER KIWANIS PARK	8419	10/30/84	WALLEYE	SKIN ON FILLET	U	1	18.62	1.15	HEXACHLORO BENZENE	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8813	6/27/88	WALLEYE	SKIN ON FILLET	U	1	18.1	1.11	MERCURY FISH AND TISSUE	0.35	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8814	6/27/88	WALLEYE	SKIN ON FILLET	U	1	19.5	1.37	MERCURY FISH AND TISSUE	0.22	1	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8419	10/30/84	WALLEYE	SKIN ON FILLET	U	1	18.62	1.15	NONACHLOR TRANS FISH	0.05	4	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8813	6/27/88	WALLEYE	SKIN ON FILLET	U	1	18.1	1.11	PCB 1248/1254	4.6	M	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. in Sample	Length (inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605027	SHEBOYGAN RIVER KIWANIS PARK	8814	6/27/88	WALLEYE	SKIN ON FILLET	U	1	19.5	1.37	PCB 1254/1260	0.75	M	UG/G
605027	SHEBOYGAN RIVER KIWANIS PARK	8419	10/30/84	WALLEYE	SKIN ON FILLET	U	1	18.62	1.15	PCB TOTAL	10	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	781C	8/16/78	WALLEYE	WHOLE FISH	U	2	17.6	0	ALDRIN	3	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	781C	8/16/78	WALLEYE	WHOLE FISH	U	2	17.6	0	ALPHA-CHLORDANE	0.42	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	781C	8/16/78	WALLEYE	WHOLE FISH	U	2	17.6	0	ARSENIC FISH AND TISSUE	2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	781C	8/16/78	WALLEYE	WHOLE FISH	U	2	17.6	0	BHC GAMMA (LINDANE)	1	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	781C	8/16/78	WALLEYE	WHOLE FISH	U	2	17.6	0	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	781C	8/16/78	WALLEYE	WHOLE FISH	U	2	17.6	0	CHLORDANE GAMMA	0.1	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	781C	8/16/78	WALLEYE	WHOLE FISH	U	2	17.6	0	CHROMIUM FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	781C	8/16/78	WALLEYE	WHOLE FISH	U	2	17.6	0	COPPER FISH AND TISSUE	0.6	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	781C	8/16/78	WALLEYE	WHOLE FISH	U	2	17.6	0	DDE P P	2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	781C	8/16/78	WALLEYE	WHOLE FISH	U	2	17.6	0	DIELDRIN	0.09	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	781C	8/16/78	WALLEYE	WHOLE FISH	U	2	17.6	0	ENDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7805	3/31/78	WALLEYE	WHOLE FISH	U	2	17	0	FAT PERCENT NON-HEX EXT	8.9	M	%
605024	SHEBOYGAN RIVER MOUTH	781C	8/16/78	WALLEYE	WHOLE FISH	U	2	17.6	0	FAT PERCENT NON-HEX EXT	12	M	%
605024	SHEBOYGAN RIVER MOUTH	8206	9/22/82	WALLEYE	SKIN ON FILLET	U	2	21.6	2.1	FAT PERCENT NON-HEX EXT	4	M	%
605024	SHEBOYGAN RIVER MOUTH	781C	8/16/78	WALLEYE	WHOLE FISH	U	2	17.6	0	HEXACHLOROBENZENE	1	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	781C	8/16/78	WALLEYE	WHOLE FISH	U	2	17.6	0	LEAD FISH AND TISSUE	5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	781C	8/16/78	WALLEYE	WHOLE FISH	U	2	17.6	0	MERCURY FISH AND TISSUE	0.12	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7805	3/31/78	WALLEYE	WHOLE FISH	U	2	17	0	PCB TOTAL	241	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	781C	8/16/78	WALLEYE	WHOLE FISH	U	2	17.6	0	PCB TOTAL	170	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	8206	9/22/82	WALLEYE	SKIN ON FILLET	U	2	21.6	2.1	PCB TOTAL	70	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	781C	8/16/78	WALLEYE	WHOLE FISH	U	2	17.6	0	PENTACHLOROPHENOL	0.05	4	UG/G
605033	SHEBOYGAN RIVER ABOVE JOHNSONVILLE	7801	4/28/78	WHITE SUCKER	WHOLE FISH	U	14	10	0	FAT PERCENT NON-HEX EXT	2.3	M	%
605033	SHEBOYGAN RIVER ABOVE JOHNSONVILLE	7801	4/28/78	WHITE SUCKER	WHOLE FISH	U	14	10	0	PCB TOTAL	0.2	M	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9401	6/20/94	WHITE SUCKER	WHOLE FISH	B	5	15.6	0.67	ALPHA-CHLORDANE	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9411	6/20/94	WHITE SUCKER	SKIN ON FILLET	F	1	17	0.84	ALPHA-CHLORDANE	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9407	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	14.3	0.45	ALPHA-CHLORDANE	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9408	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	14.6	0.6	ALPHA-CHLORDANE	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9409	7/7/94	WHITE SUCKER	SKIN ON FILLET	M	1	16.1	0.71	ALPHA-CHLORDANE	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9410	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	16.3	0.73	ALPHA-CHLORDANE	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9412	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	ALPHA-CHLORDANE	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	ALPHA-CHLORDANE	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	ALPHA-CHLORDANE	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	ALPHA-CHLORDANE	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	ALPHA-CHLORDANE	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9415	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.1	0.13	ARSENIC FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9416	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.2	0.12	ARSENIC FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9417	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.2	0.13	ARSENIC FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	ARSENIC FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9421	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.1	0.16	ARSENIC FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9422	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.3	0.17	ARSENIC FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	ARSENIC FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	ARSENIC FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	ARSENIC FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9412	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	BHC ALPHA	0.01	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	BHC ALPHA	0.01	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	BHC ALPHA	0.01	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	BHC ALPHA	0.01	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	BHC ALPHA	0.01	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9412	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	BHC GAMMA SHELLFISH (LINDANE)	0.01	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	BHC GAMMA SHELLFISH (LINDANE)	0.01	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	BHC GAMMA SHELLFISH (LINDANE)	0.01	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	BHC GAMMA SHELLFISH (LINDANE)	0.01	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	BHC GAMMA SHELLFISH (LINDANE)	0.01	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9415	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.1	0.13	CADMIUM FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9416	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.2	0.12	CADMIUM FISH AND TISSUE	0	2	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (inches)	Weight (kg)	Storet Parameter Description	Result	Qual.	Units
											Amount	Code	
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9417	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.2	0.13	CADMIUM FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	CADMIUM FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9421	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.1	0.16	CADMIUM FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9422	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.3	0.17	CADMIUM FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	CADMIUM FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	CADMIUM FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	CADMIUM FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9401	8/20/94	WHITE SUCKER	WHOLE FISH	B	5	15.6	0.67	CHLORDANE GAMMA	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9411	8/20/94	WHITE SUCKER	SKIN ON FILLET	F	1	17	0.84	CHLORDANE GAMMA	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9407	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	14.3	0.45	CHLORDANE GAMMA	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9408	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	14.6	0.6	CHLORDANE GAMMA	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9409	7/7/94	WHITE SUCKER	SKIN ON FILLET	M	1	16.1	0.71	CHLORDANE GAMMA	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9410	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	16.3	0.73	CHLORDANE GAMMA	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9412	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	CHLORDANE GAMMA	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	CHLORDANE GAMMA	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	CHLORDANE GAMMA	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	CHLORDANE GAMMA	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	CHLORDANE GAMMA	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9415	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.1	0.13	CHROMIUM FISH AND TISSUE	0.3	3	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	CHROMIUM FISH AND TISSUE	0.3	3	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	CHROMIUM FISH AND TISSUE	0.3	3	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	CHROMIUM FISH AND TISSUE	0.3	3	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	CHROMIUM FISH AND TISSUE	0.3	3	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9417	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.2	0.13	CHROMIUM FISH AND TISSUE	0.2	3	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9421	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.1	0.16	CHROMIUM FISH AND TISSUE	0.2	3	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9422	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.3	0.17	CHROMIUM FISH AND TISSUE	0.2	3	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9416	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.2	0.12	CHROMIUM FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9401	8/20/94	WHITE SUCKER	WHOLE FISH	B	5	15.6	0.67	CIS-NONACHLOR	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9411	8/20/94	WHITE SUCKER	SKIN ON FILLET	F	1	17	0.84	CIS-NONACHLOR	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9407	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	14.3	0.45	CIS-NONACHLOR	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9408	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	14.6	0.6	CIS-NONACHLOR	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9409	7/7/94	WHITE SUCKER	SKIN ON FILLET	M	1	16.1	0.71	CIS-NONACHLOR	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9410	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	16.3	0.73	CIS-NONACHLOR	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9412	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	CIS-NONACHLOR	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	CIS-NONACHLOR	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	CIS-NONACHLOR	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	CIS-NONACHLOR	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	CIS-NONACHLOR	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	COPPER FISH AND TISSUE	0.74	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9415	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.1	0.13	COPPER FISH AND TISSUE	0.64	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	COPPER FISH AND TISSUE	0.58	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	COPPER FISH AND TISSUE	0.57	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	COPPER FISH AND TISSUE	0.54	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9416	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.2	0.12	COPPER FISH AND TISSUE	0.53	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9417	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.2	0.13	COPPER FISH AND TISSUE	0.52	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9421	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.1	0.16	COPPER FISH AND TISSUE	0.41	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9422	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.3	0.17	COPPER FISH AND TISSUE	0.39	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9401	8/20/94	WHITE SUCKER	WHOLE FISH	B	5	15.6	0.67	DDD O P	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9411	8/20/94	WHITE SUCKER	SKIN ON FILLET	F	1	17	0.84	DDD O P	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9407	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	14.3	0.45	DDD O P	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9408	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	14.6	0.6	DDD O P	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9409	7/7/94	WHITE SUCKER	SKIN ON FILLET	M	1	16.1	0.71	DDD O P	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9410	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	16.3	0.73	DDD O P	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9412	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	DDD O P	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	DDD O P	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	DDD O P	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	DDD O P	0.05	4	UG/G



WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9411	6/20/94	WHITE SUCKER	SKIN ON FILLET	F	1	17	0.84	DIELDRIN	0.02	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9407	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	14.3	0.45	DIELDRIN	0.02	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9408	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	14.6	0.6	DIELDRIN	0.02	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9409	7/7/94	WHITE SUCKER	SKIN ON FILLET	M	1	16.1	0.71	DIELDRIN	0.02	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9410	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	16.3	0.73	DIELDRIN	0.02	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9412	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	DIELDRIN	0.02	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	DIELDRIN	0.02	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	DIELDRIN	0.02	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	DIELDRIN	0.02	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	DIELDRIN	0.02	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9401	6/20/94	WHITE SUCKER	WHOLE FISH	B	5	15.8	0.67	FAT PERCENT NON-HEX EXT	8.7	1	%
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9411	6/20/94	WHITE SUCKER	SKIN ON FILLET	F	1	17	0.84	FAT PERCENT NON-HEX EXT	2.5	1	%
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9412	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	FAT PERCENT NON-HEX EXT	7	1	%
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	FAT PERCENT NON-HEX EXT	7	1	%
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9413	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	FAT PERCENT NON-HEX EXT	6.9	1	%
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	FAT PERCENT NON-HEX EXT	6	1	%
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	FAT PERCENT NON-HEX EXT	5.9	1	%
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9420	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.15	FAT PERCENT NON-HEX EXT	5.9	1	%
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9424	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.8	0.21	FAT PERCENT NON-HEX EXT	5.3	1	%
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	FAT PERCENT NON-HEX EXT	5	1	%
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9418	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.3	0.13	FAT PERCENT NON-HEX EXT	3.9	1	%
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9409	7/7/94	WHITE SUCKER	SKIN ON FILLET	M	1	16.1	0.71	FAT PERCENT NON-HEX EXT	3.7	1	%
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9408	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	14.6	0.6	FAT PERCENT NON-HEX EXT	3	1	%
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9410	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	16.3	0.73	FAT PERCENT NON-HEX EXT	1.6	1	%
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9407	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	14.3	0.45	FAT PERCENT NON-HEX EXT	1.5	1	%
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9412	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	HEPTACHLOR EPOXIDE	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	HEPTACHLOR EPOXIDE	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	HEPTACHLOR EPOXIDE	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	HEPTACHLOR EPOXIDE	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	HEPTACHLOR EPOXIDE	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9407	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	14.3	0.45	HEXACHLOROBENZENE	0.01	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9408	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	14.6	0.6	HEXACHLOROBENZENE	0.01	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9409	7/7/94	WHITE SUCKER	SKIN ON FILLET	M	1	16.1	0.71	HEXACHLOROBENZENE	0.01	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9410	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	16.3	0.73	HEXACHLOROBENZENE	0.01	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9412	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	HEXACHLOROBENZENE	0.01	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	HEXACHLOROBENZENE	0.01	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	HEXACHLOROBENZENE	0.01	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	HEXACHLOROBENZENE	0.01	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	HEXACHLOROBENZENE	0.01	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9415	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.1	0.13	LEAD FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9416	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.2	0.12	LEAD FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9417	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.2	0.13	LEAD FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	LEAD FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9421	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.1	0.16	LEAD FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9422	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.3	0.17	LEAD FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	LEAD FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	LEAD FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	LEAD FISH AND TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	MERCURY TISSUE DRY WT	0.11	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	MERCURY TISSUE DRY WT	0.1	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	MERCURY TISSUE DRY WT	0.082	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9415	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.1	0.13	MERCURY TISSUE DRY WT	0.079	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9422	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.3	0.17	MERCURY TISSUE DRY WT	0.079	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9421	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.1	0.16	MERCURY TISSUE DRY WT	0.068	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9416	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.2	0.12	MERCURY TISSUE DRY WT	0.062	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9417	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.2	0.13	MERCURY TISSUE DRY WT	0.062	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	MERCURY TISSUE DRY WT	0.051	1	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection		Fish Type Description	Fish: Form		Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result		
			Date			Description	Sex					Amount	Code	Units
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9401	6/20/94		WHITE SUCKER	WHOLE FISH	B	5	15.6	0.67	NONACHLOR TRANS	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9411	6/20/94		WHITE SUCKER	SKIN ON FILLET	F	1	17	0.84	NONACHLOR TRANS	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9407	7/7/94		WHITE SUCKER	SKIN ON FILLET	F	1	14.3	0.45	NONACHLOR TRANS	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9408	7/7/94		WHITE SUCKER	SKIN ON FILLET	F	1	14.6	0.6	NONACHLOR TRANS	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9409	7/7/94		WHITE SUCKER	SKIN ON FILLET	M	1	16.1	0.71	NONACHLOR TRANS	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9410	7/7/94		WHITE SUCKER	SKIN ON FILLET	F	1	16.3	0.73	NONACHLOR TRANS	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9412	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	NONACHLOR TRANS	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	NONACHLOR TRANS	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	NONACHLOR TRANS	0.05	4	UG/G
606045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	NONACHLOR TRANS	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	NONACHLOR TRANS	0.05	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9401	6/20/94		WHITE SUCKER	WHOLE FISH	B	5	15.6	0.67	PCB 1254 FISH	0.26	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9411	6/20/94		WHITE SUCKER	SKIN ON FILLET	F	1	17	0.84	PCB 1254 FISH	0.081	3	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9409	7/7/94		WHITE SUCKER	SKIN ON FILLET	M	1	16.1	0.71	PCB 1254 FISH	0.16	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	PCB 1254 FISH	0.1	3	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	PCB 1254 FISH	0.1	3	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9408	7/7/94		WHITE SUCKER	SKIN ON FILLET	F	1	14.6	0.6	PCB 1254 FISH	0.094	3	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9412	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	PCB 1254 FISH	0.085	3	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	PCB 1254 FISH	0.084	3	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	PCB 1254 FISH	0.078	3	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9410	7/7/94		WHITE SUCKER	SKIN ON FILLET	F	1	16.3	0.73	PCB 1254 FISH	0.046	3	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9412	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	PCB CONG #005/008	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9413	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	PCB CONG #005/008	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9418	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	9.3	0.13	PCB CONG #005/008	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	PCB CONG #005/008	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9420	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	9.7	0.15	PCB CONG #005/008	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	PCB CONG #005/008	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9424	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	10.8	0.21	PCB CONG #005/008	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	PCB CONG #005/008	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	PCB CONG #005/008	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9412	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	PCB CONG #006	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9413	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	PCB CONG #006	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9418	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	9.3	0.13	PCB CONG #006	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	PCB CONG #006	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9420	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	9.7	0.15	PCB CONG #006	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	PCB CONG #006	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9424	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	10.8	0.21	PCB CONG #006	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	PCB CONG #006	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	PCB CONG #006	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9412	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	PCB CONG #007	0	2	NG/G
606045	SHEBOYGAN RIVER BELOW FRANKLIN	9413	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	PCB CONG #007	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9418	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	9.3	0.13	PCB CONG #007	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	PCB CONG #007	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9420	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	9.7	0.15	PCB CONG #007	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	PCB CONG #007	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9424	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	10.8	0.21	PCB CONG #007	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	PCB CONG #007	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	PCB CONG #007	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9412	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	PCB CONG #016/032	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9413	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	PCB CONG #016/032	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9418	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	9.3	0.13	PCB CONG #016/032	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	PCB CONG #016/032	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9420	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	9.7	0.15	PCB CONG #016/032	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	PCB CONG #016/032	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9424	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	10.8	0.21	PCB CONG #016/032	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	PCB CONG #016/032	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94		WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	PCB CONG #016/032	0	2	NG/G























WDNR Fish Tissue Dataset

Location Code	Site Name	Collection Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. in Sample	Length (inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	PCB CONG #196/203	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9420	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.15	PCB CONG #196/203	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	PCB CONG #196/203	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9424	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.8	0.21	PCB CONG #196/203	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	PCB CONG #196/203	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	PCB CONG #196/203	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9412	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	PCB CONG #199	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9413	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	PCB CONG #199	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9418	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.3	0.13	PCB CONG #199	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	PCB CONG #199	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9420	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.15	PCB CONG #199	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9420	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.15	PCB CONG #199	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	PCB CONG #199	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9424	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.8	0.21	PCB CONG #199	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	PCB CONG #199	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	PCB CONG #199	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9412	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	PCB CONG #201	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9413	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	PCB CONG #201	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9418	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.3	0.13	PCB CONG #201	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	PCB CONG #201	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9420	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.15	PCB CONG #201	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	PCB CONG #201	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9424	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.8	0.21	PCB CONG #201	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	PCB CONG #201	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	PCB CONG #201	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9412	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	PCB CONG #206	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9413	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	PCB CONG #206	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9418	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.3	0.13	PCB CONG #206	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	PCB CONG #206	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9420	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.15	PCB CONG #206	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	PCB CONG #206	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9424	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.8	0.21	PCB CONG #206	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	PCB CONG #206	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	PCB CONG #206	0	2	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9413	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	PCB CONGENER #77	1	0	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9418	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.3	0.13	PCB CONGENER #77	1	0	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9420	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.15	PCB CONGENER #77	1	0	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9424	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.8	0.21	PCB CONGENER #77	1	0	NG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9407	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	14.3	0.45	PCB TISSUE	0	2	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9407	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	14.3	0.45	TOXAPHENE-LIKE COMPOUNDS	1	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9408	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	14.6	0.6	TOXAPHENE-LIKE COMPOUNDS	1	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9409	7/7/94	WHITE SUCKER	SKIN ON FILLET	M	1	16.1	0.71	TOXAPHENE-LIKE COMPOUNDS	1	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9410	7/7/94	WHITE SUCKER	SKIN ON FILLET	F	1	16.3	0.73	TOXAPHENE-LIKE COMPOUNDS	1	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9412	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	8.9	0.12	TOXAPHENE-LIKE COMPOUNDS	1	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	TOXAPHENE-LIKE COMPOUNDS	1	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	TOXAPHENE-LIKE COMPOUNDS	1	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	TOXAPHENE-LIKE COMPOUNDS	1	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	TOXAPHENE-LIKE COMPOUNDS	1	4	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9425	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	11.9	0.27	ZINC DISSOLVED ICP	17	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9419	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.7	0.14	ZINC DISSOLVED ICP	15	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9426	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.34	ZINC DISSOLVED ICP	15	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9415	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.1	0.13	ZINC DISSOLVED ICP	14	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9417	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.2	0.13	ZINC DISSOLVED ICP	13	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9421	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.1	0.16	ZINC DISSOLVED ICP	13	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9416	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	9.2	0.12	ZINC DISSOLVED ICP	12	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9422	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.3	0.17	ZINC DISSOLVED ICP	12	1	UG/G
605045	SHEBOYGAN RIVER BELOW FRANKLIN	9423	7/7/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.2	ZINC DISSOLVED ICP	11	1	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9401	6/15/94	WHITE SUCKER	WHOLE FISH	U	2	12.1	0.36	ALPHA-CHLORDANE	0.05	4	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605046	SHEBOYGAN RIVER BELOW KIEL	9402	6/15/94	WHITE SUCKER	WHOLE FISH	U	1	8.5	0.12	ALPHA-CHLORDANE	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9401	6/15/94	WHITE SUCKER	WHOLE FISH	U	2	12.1	0.36	CHLORDANE GAMMA	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9402	6/15/94	WHITE SUCKER	WHOLE FISH	U	1	8.5	0.12	CHLORDANE GAMMA	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9401	6/15/94	WHITE SUCKER	WHOLE FISH	U	2	12.1	0.36	CIS-NONACHLOR	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9402	6/15/94	WHITE SUCKER	WHOLE FISH	U	1	8.5	0.12	CIS-NONACHLOR	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9401	6/15/94	WHITE SUCKER	WHOLE FISH	U	2	12.1	0.36	DDD O P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9402	6/15/94	WHITE SUCKER	WHOLE FISH	U	1	8.5	0.12	DDD O P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9401	6/15/94	WHITE SUCKER	WHOLE FISH	U	2	12.1	0.36	DDD P P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9402	6/15/94	WHITE SUCKER	WHOLE FISH	U	1	8.5	0.12	DDD P P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9401	6/15/94	WHITE SUCKER	WHOLE FISH	U	2	12.1	0.36	DDE O P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9402	6/15/94	WHITE SUCKER	WHOLE FISH	U	1	8.5	0.12	DDE O P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9401	6/15/94	WHITE SUCKER	WHOLE FISH	U	2	12.1	0.36	DDE P P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9402	6/15/94	WHITE SUCKER	WHOLE FISH	U	1	8.5	0.12	DDE P P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9401	6/15/94	WHITE SUCKER	WHOLE FISH	U	2	12.1	0.36	DDT O P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9402	6/15/94	WHITE SUCKER	WHOLE FISH	U	1	8.5	0.12	DDT O P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9401	6/15/94	WHITE SUCKER	WHOLE FISH	U	2	12.1	0.36	DDT P P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9402	6/15/94	WHITE SUCKER	WHOLE FISH	U	1	8.5	0.12	DDT P P	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9401	6/15/94	WHITE SUCKER	WHOLE FISH	U	2	12.1	0.36	DIELDRIN	0.02	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9402	6/15/94	WHITE SUCKER	WHOLE FISH	U	1	8.5	0.12	DIELDRIN	0.02	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9401	6/15/94	WHITE SUCKER	WHOLE FISH	U	2	12.1	0.36	FAT PERCENT NON-HEX EXT	7	1	%
605046	SHEBOYGAN RIVER BELOW KIEL	9402	6/15/94	WHITE SUCKER	WHOLE FISH	U	1	8.5	0.12	FAT PERCENT NON-HEX EXT	2.3	1	%
605046	SHEBOYGAN RIVER BELOW KIEL	9401	6/15/94	WHITE SUCKER	WHOLE FISH	U	2	12.1	0.36	NONACHLOR TRANS	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9402	6/15/94	WHITE SUCKER	WHOLE FISH	U	1	8.5	0.12	NONACHLOR TRANS	0.05	4	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9401	6/15/94	WHITE SUCKER	WHOLE FISH	U	2	12.1	0.36	PCB 1254 FISH	0.095	3	UG/G
605046	SHEBOYGAN RIVER BELOW KIEL	9402	6/15/94	WHITE SUCKER	WHOLE FISH	U	1	8.5	0.12	PCB 1254 FISH	0.058	3	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	ALDRIN	0.2	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	ALPHA-CHLORDANE	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	ARSENIC FISH AND TISSUE	2	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	BHC ALPHA	0.1	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	CHLORDANE GAMMA	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	CHROMIUM FISH AND TISSUE	0.5	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	CIS-NONACHLOR	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	COPPER FISH AND TISSUE	1.8	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	DDD O P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	DDD P P	0.1	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	DDE O P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	DDE P P	0.34	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	DDT O P	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	DDT P P	0.06	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	DIELDRIN	0.02	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	ENDRIN	0.02	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7807	4/26/78	WHITE SUCKER	WHOLE FISH	U	10	10.2	0	FAT PERCENT NON-HEX EXT	2.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7808	4/26/78	WHITE SUCKER	WHOLE FISH	U	5	9.8	0	FAT PERCENT NON-HEX EXT	2.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7805	4/26/78	WHITE SUCKER	SKIN ON FILLET	U	5	10.8	0	FAT PERCENT NON-HEX EXT	0.9	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7804	4/26/78	WHITE SUCKER	SKIN ON FILLET	U	5	12.7	0	FAT PERCENT NON-HEX EXT	0.7	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7806	4/26/78	WHITE SUCKER	SKIN ON FILLET	U	5	10.7	0	FAT PERCENT NON-HEX EXT	0.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	FAT PERCENT NON-HEX EXT	10.5	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8003	7/29/80	WHITE SUCKER	SKIN ON FILLET	U	2	13.65	0.4	FAT PERCENT NON-HEX EXT	1.7	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8103	7/22/81	WHITE SUCKER	SKIN ON FILLET	U	5	13.1	0.48	FAT PERCENT NON-HEX EXT	2.1	M	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9480	4/25/94	WHITE SUCKER	WHOLE FISH	U	1	6.1	0.22	FAT PERCENT NON-HEX EXT	6.6	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9486	4/25/94	WHITE SUCKER	SKIN ON FILLET	U	2	18.5	2.34	FAT PERCENT NON-HEX EXT	3.6	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9483	4/25/94	WHITE SUCKER	SKIN ON FILLET	U	2	13.65	0.91	FAT PERCENT NON-HEX EXT	3.3	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9485	4/25/94	WHITE SUCKER	SKIN ON FILLET	U	2	16.9	1.52	FAT PERCENT NON-HEX EXT	3.2	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9484	4/25/94	WHITE SUCKER	SKIN ON FILLET	U	3	16.9	2.26	FAT PERCENT NON-HEX EXT	2.5	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9482	4/26/94	WHITE SUCKER	SKIN ON FILLET	U	3	6.4	0.15	FAT PERCENT NON-HEX EXT	1.1	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9481	7/18/94	WHITE SUCKER	WHOLE FISH	U	1	16.5	0.63	FAT PERCENT NON-HEX EXT	3.2	1	%

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result	Qual.	Units
											Amount	Code	
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	940C	8/22/94	WHITE SUCKER	WHOLE FISH	B	5	16	0.71	FAT PERCENT NON-HEX EXT	7.7	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9499	8/22/94	WHITE SUCKER	SKIN ON FILLET	F	1	16.8	0.79	FAT PERCENT NON-HEX EXT	2.5	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	940B	8/22/94	WHITE SUCKER	SKIN ON FILLET	F	1	20	1.13	FAT PERCENT NON-HEX EXT	1.8	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9497	8/22/94	WHITE SUCKER	SKIN ON FILLET	M	1	11.9	0.33	FAT PERCENT NON-HEX EXT	1.8	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9498	8/22/94	WHITE SUCKER	SKIN ON FILLET	M	1	14	0.48	FAT PERCENT NON-HEX EXT	1.8	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	940A	8/22/94	WHITE SUCKER	SKIN ON FILLET	F	1	17.1	0.81	FAT PERCENT NON-HEX EXT	1.7	1	%
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	HEXACHLORO BENZENE	0.01	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	LEAD FISH AND TISSUE	5	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	MERCURY FISH AND TISSUE	0.21	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	METHOXYCHLOR	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	NONACHLOR TRANS FISH	0.05	4	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9483	4/25/94	WHITE SUCKER	SKIN ON FILLET	U	2	13.85	0.91	PCB 1248/1254	5.3	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9480	4/25/94	WHITE SUCKER	WHOLE FISH	U	1	6.1	0.22	PCB 1248/1254	3.8	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9484	4/25/94	WHITE SUCKER	SKIN ON FILLET	U	3	16.9	2.26	PCB 1248/1254	3.3	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9485	4/25/94	WHITE SUCKER	SKIN ON FILLET	U	2	16.9	1.52	PCB 1248/1254	2.3	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9486	4/25/94	WHITE SUCKER	SKIN ON FILLET	U	2	18.5	2.34	PCB 1248/1254	2.1	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9482	4/26/94	WHITE SUCKER	SKIN ON FILLET	U	3	6.4	0.15	PCB 1248/1254	1.3	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9481	7/18/94	WHITE SUCKER	WHOLE FISH	U	1	16.5	0.63	PCB 1248/1254	0.62	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	940C	8/22/94	WHITE SUCKER	WHOLE FISH	B	5	16	0.71	PCB 1248/1254	9.3	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	940A	8/22/94	WHITE SUCKER	SKIN ON FILLET	F	1	17.1	0.81	PCB 1248/1254	4	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9498	8/22/94	WHITE SUCKER	SKIN ON FILLET	M	1	14	0.48	PCB 1248/1254	3.8	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9497	8/22/94	WHITE SUCKER	SKIN ON FILLET	M	1	11.9	0.33	PCB 1248/1254	2.8	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	940B	8/22/94	WHITE SUCKER	SKIN ON FILLET	F	1	20	1.13	PCB 1248/1254	2	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	9499	8/22/94	WHITE SUCKER	SKIN ON FILLET	F	1	16.8	0.79	PCB 1248/1254	1.4	1	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7807	4/26/78	WHITE SUCKER	WHOLE FISH	U	10	10.2	0	PCB TOTAL	160	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7808	4/26/78	WHITE SUCKER	WHOLE FISH	U	5	9.8	0	PCB TOTAL	130	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7804	4/26/78	WHITE SUCKER	SKIN ON FILLET	U	5	12.7	0	PCB TOTAL	88	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7806	4/26/78	WHITE SUCKER	SKIN ON FILLET	U	5	10.7	0	PCB TOTAL	40	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7805	4/26/78	WHITE SUCKER	SKIN ON FILLET	U	5	10.8	0	PCB TOTAL	39	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	PCB TOTAL	120	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8003	7/29/80	WHITE SUCKER	SKIN ON FILLET	U	2	13.65	0.4	PCB TOTAL	75	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	8103	7/22/81	WHITE SUCKER	SKIN ON FILLET	U	5	13.1	0.48	PCB TOTAL	36	M	UG/G
605002	SHEBOYGAN RIVER BELOW KOHLER DAM	7906	7/10/79	WHITE SUCKER	WHOLE FISH	U	5	14	0.4	PENTACHLOROPHENOL	0.05	4	UG/G
605025	SHEBOYGAN RIVER HARBOR	9006	5/14/90	WHITE SUCKER	SKIN ON FILLET	F	1	11.2	0.24	FAT PERCENT NON-HEX EXT	2.2	1	%
605025	SHEBOYGAN RIVER HARBOR	9007	5/14/90	WHITE SUCKER	SKIN ON FILLET	F	1	17.2	0.81	FAT PERCENT NON-HEX EXT	2.2	1	%
605025	SHEBOYGAN RIVER HARBOR	9007	5/14/90	WHITE SUCKER	SKIN ON FILLET	F	1	17.2	0.81	PCB 1248/1254	1.7	1	UG/G
605025	SHEBOYGAN RIVER HARBOR	9006	5/14/90	WHITE SUCKER	SKIN ON FILLET	F	1	11.2	0.24	PCB 1248/1254	0.88	1	UG/G
605024	SHEBOYGAN RIVER MOUTH	7807	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	ALDRIN	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	ALDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7807	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	ALPHA-CHLORDANE	0.05	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	ALPHA-CHLORDANE	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7701	9/9/77	WHITE SUCKER	WHOLE FISH	U	5	12.3	0	ARSENIC FISH AND TISSUE	2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7807	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	ARSENIC FISH AND TISSUE	2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	ARSENIC FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	BHC ALPHA	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7807	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	BHC GAMMA (LINDANE)	0.04	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	BHC GAMMA (LINDANE)	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7701	9/9/77	WHITE SUCKER	WHOLE FISH	U	5	12.3	0	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7807	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	CADMIUM FISH AND TISSUE	0.2	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7807	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	CHLORDANE GAMMA	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	CHLORDANE GAMMA	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7701	9/9/77	WHITE SUCKER	WHOLE FISH	U	5	12.3	0	CHROMIUM FISH AND TISSUE	0.7	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7807	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	CHROMIUM FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	CHROMIUM FISH AND TISSUE	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	CIS-NONACHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7701	9/9/77	WHITE SUCKER	WHOLE FISH	U	5	12.3	0	COPPER FISH AND TISSUE	2.4	M	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. in Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605024	SHEBOYGAN RIVER MOUTH	7807	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	COPPER FISH AND TISSUE	1.4	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	COPPER FISH AND TISSUE	1.8	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	DDD O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7807	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	DDD P P	0.1	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	DDD P P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	DDE O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7807	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	DDE P P	0.5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	DDE P P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	DDT O P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	DDT P P	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7701	9/9/77	WHITE SUCKER	WHOLE FISH	U	5	12.3	0	DIELDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7807	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	DIELDRIN	0.01	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	DIELDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7701	9/9/77	WHITE SUCKER	WHOLE FISH	U	5	12.3	0	ENDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7807	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	ENDRIN	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	ENDRIN	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7603	6/24/76	WHITE SUCKER	SKIN ON FILLET	U	3	14.7	0	FAT PERCENT NON-HEX EXT	2.4	M	%
605024	SHEBOYGAN RIVER MOUTH	7701	9/9/77	WHITE SUCKER	WHOLE FISH	U	5	12.3	0	FAT PERCENT NON-HEX EXT	3.4	M	%
605024	SHEBOYGAN RIVER MOUTH	7808	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	FAT PERCENT NON-HEX EXT	6.4	M	%
605024	SHEBOYGAN RIVER MOUTH	7807	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	FAT PERCENT NON-HEX EXT	5.4	M	%
605024	SHEBOYGAN RIVER MOUTH	7812	4/27/78	WHITE SUCKER	WHOLE FISH	U	4	14.3	0	FAT PERCENT NON-HEX EXT	4.7	M	%
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	FAT PERCENT NON-HEX EXT	2.2	M	%
605024	SHEBOYGAN RIVER MOUTH	7807	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	HEXACHLOROBENZENE	0.02	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	HEXACHLOROBENZENE	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7701	9/9/77	WHITE SUCKER	WHOLE FISH	U	5	12.3	0	LEAD FISH AND TISSUE	5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7807	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	LEAD FISH AND TISSUE	5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	LEAD FISH AND TISSUE	5	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7701	9/9/77	WHITE SUCKER	WHOLE FISH	U	5	12.3	0	MERCURY FISH AND TISSUE	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7807	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	MERCURY FISH AND TISSUE	0.04	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	MERCURY FISH AND TISSUE	0.08	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7701	9/9/77	WHITE SUCKER	WHOLE FISH	U	5	12.3	0	METHOXYCHLOR	0.01	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7807	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	METHOXYCHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	METHOXYCHLOR	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	NONACHLOR TRANS FISH	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7603	6/24/76	WHITE SUCKER	SKIN ON FILLET	U	3	14.7	0	PCB TOTAL	22	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7701	9/9/77	WHITE SUCKER	WHOLE FISH	U	5	12.3	0	PCB TOTAL	28	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7807	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	PCB TOTAL	31	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7808	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	PCB TOTAL	30	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7812	4/27/78	WHITE SUCKER	WHOLE FISH	U	4	14.3	0	PCB TOTAL	24	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	PCB TOTAL	22.5	M	UG/G
605024	SHEBOYGAN RIVER MOUTH	7807	3/31/78	WHITE SUCKER	WHOLE FISH	U	5	16	0	PENTACHLOROPHENOL	0.05	4	UG/G
605024	SHEBOYGAN RIVER MOUTH	7902	7/10/79	WHITE SUCKER	WHOLE FISH	U	3	9.4	0.2	PENTACHLOROPHENOL	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	ALPHA-CHLORDANE	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	ALPHA-CHLORDANE	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	ALPHA-CHLORDANE	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	ALPHA-CHLORDANE	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	ALPHA-CHLORDANE	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	ARSENIC FISH AND TISSUE	0.1	3	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9405	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	11.8	0.3	ARSENIC FISH AND TISSUE	0.1	3	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9406	7/6/94	WHITE SUCKER	WHOLE FISH	M	1	11.8	0.32	ARSENIC FISH AND TISSUE	0.1	3	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.8	0.31	ARSENIC FISH AND TISSUE	0	2	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	ARSENIC FISH AND TISSUE	0	2	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9409	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.38	ARSENIC FISH AND TISSUE	0	2	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9413	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	13.4	0.43	ARSENIC FISH AND TISSUE	0	2	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9414	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	14.4	0.62	ARSENIC FISH AND TISSUE	0	2	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	ARSENIC FISH AND TISSUE	0	2	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	ARSENIC FISH AND TISSUE	0	2	UG/G



WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	DDD P P	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	DDD P P	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	DDD P P	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	DDE O P	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	DDE O P	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	DDE O P	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	DDE O P	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	DDE O P	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	DDE P P	0.23	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	DDE P P	0.15	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	DDE P P	0.09	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	DDE P P	0.08	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	DDE P P	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	DDT O P	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	DDT O P	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	DDT O P	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	DDT O P	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	DDT O P	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	DDT P P	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	DDT P P	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	DDT P P	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	DDT P P	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	DDT P P	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	DIELDRIN	0.02	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	DIELDRIN	0.02	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	DIELDRIN	0.02	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	DIELDRIN	0.02	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	DIELDRIN	0.02	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	FAT PERCENT NON-HEX EXT	9.6	1	%
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9411	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.8	0.41	FAT PERCENT NON-HEX EXT	8.5	1	%
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	FAT PERCENT NON-HEX EXT	6.3	1	%
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9407	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.3	0.33	FAT PERCENT NON-HEX EXT	6	1	%
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	FAT PERCENT NON-HEX EXT	4.4	1	%
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	FAT PERCENT NON-HEX EXT	3.8	1	%
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9404	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	11.8	0.3	FAT PERCENT NON-HEX EXT	3.7	1	%
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	FAT PERCENT NON-HEX EXT	3.6	1	%
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	HEPTACHLOR EPOXIDE	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	HEPTACHLOR EPOXIDE	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	HEPTACHLOR EPOXIDE	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	HEPTACHLOR EPOXIDE	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	HEPTACHLOR EPOXIDE	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	HEXACHLOROBENZENE	0.01	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	HEXACHLOROBENZENE	0.01	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	HEXACHLOROBENZENE	0.01	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	HEXACHLOROBENZENE	0.01	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	HEXACHLOROBENZENE	0.01	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	LEAD FISH AND TISSUE	0	2	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	LEAD FISH AND TISSUE	0	2	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	LEAD FISH AND TISSUE	0	2	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9405	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	11.8	0.3	LEAD FISH AND TISSUE	0	2	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9406	7/6/94	WHITE SUCKER	WHOLE FISH	M	1	11.8	0.32	LEAD FISH AND TISSUE	0	2	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9409	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.38	LEAD FISH AND TISSUE	0	2	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9413	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	13.4	0.43	LEAD FISH AND TISSUE	0	2	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9414	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	14.4	0.52	LEAD FISH AND TISSUE	0	2	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	LEAD FISH AND TISSUE	0	2	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	LEAD FISH AND TISSUE	0	2	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	MERCURY TISSUE DRY WT	0.22	1	UG/G

WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	MERCURY TISSUE DRY WT	0.11	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9413	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	13.4	0.43	MERCURY TISSUE DRY WT	0.08	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	MERCURY TISSUE DRY WT	0.073	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	MERCURY TISSUE DRY WT	0.067	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9409	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.36	MERCURY TISSUE DRY WT	0.063	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	MERCURY TISSUE DRY WT	0.061	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9406	7/6/94	WHITE SUCKER	WHOLE FISH	M	1	11.8	0.32	MERCURY TISSUE DRY WT	0.061	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9405	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	11.8	0.3	MERCURY TISSUE DRY WT	0.059	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9414	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	14.4	0.52	MERCURY TISSUE DRY WT	0.056	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	NONACHLOR TRANS	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	NONACHLOR TRANS	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	NONACHLOR TRANS	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	NONACHLOR TRANS	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	NONACHLOR TRANS	0.05	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	PCB 1248 FISH	5.3	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	PCB 1248 FISH	4.4	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	PCB 1248 FISH	3.9	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	PCB 1248 FISH	3.6	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	PCB 1248 FISH	2.2	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	PCB CONG #005/008	150	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	PCB CONG #005/008	150	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	PCB CONG #005/008	130	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9407	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.3	0.33	PCB CONG #005/008	110	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	PCB CONG #005/008	95	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9411	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.8	0.41	PCB CONG #005/008	77	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	PCB CONG #005/008	44	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9404	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	11.8	0.3	PCB CONG #005/008	43	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	PCB CONG #006	17	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	PCB CONG #006	12	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	PCB CONG #006	10	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	PCB CONG #006	8.2	3	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9407	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.3	0.33	PCB CONG #006	7.5	3	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9411	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.8	0.41	PCB CONG #006	4.1	3	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	PCB CONG #006	0	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9404	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	11.8	0.3	PCB CONG #006	0	2	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	PCB CONG #007	2.6	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9407	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.3	0.33	PCB CONG #007	1.6	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9411	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.8	0.41	PCB CONG #007	0.7	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	PCB CONG #007	0	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	PCB CONG #007	0	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9404	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	11.8	0.3	PCB CONG #007	0	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	PCB CONG #007	0	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	PCB CONG #007	0	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	PCB CONG #016/032	96	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	PCB CONG #016/032	93	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	PCB CONG #016/032	92	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	PCB CONG #016/032	84	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9411	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.8	0.41	PCB CONG #016/032	53	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9407	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.3	0.33	PCB CONG #016/032	51	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9404	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	11.8	0.3	PCB CONG #016/032	44	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	PCB CONG #016/032	34	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	PCB CONG #017	150	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	PCB CONG #017	120	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	PCB CONG #017	120	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	PCB CONG #017	120	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9407	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.3	0.33	PCB CONG #017	75	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9411	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.8	0.41	PCB CONG #017	65	1	NG/G





















WDNR Fish Tissue Dataset

Location Code	Site Name	Field #	Collection Date	Fish Type Description	Fish: Form Description	Sex	Num. In Sample	Length (Inches)	Weight (kg)	Storet Parameter Description	Result Amount	Qual. Code	Units
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9407	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.3	0.33	PCB CONG #199	0	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9411	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.8	0.41	PCB CONG #199	0	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	PCB CONG #199	0	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	PCB CONG #199	0	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	PCB CONG #201	7.6	1	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	PCB CONG #201	5.7	3	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	PCB CONG #201	5.4	3	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	PCB CONG #201	4.3	3	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9411	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.8	0.41	PCB CONG #201	4.2	3	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9404	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	11.8	0.3	PCB CONG #201	3.8	3	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9407	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.3	0.33	PCB CONG #201	3.3	3	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	PCB CONG #201	2.7	3	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	PCB CONG #206	0	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	PCB CONG #206	0	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	PCB CONG #206	0	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9404	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	11.8	0.3	PCB CONG #206	0	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9407	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.3	0.33	PCB CONG #206	0	2	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9411	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.8	0.41	PCB CONG #206	0	2	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	PCB CONG #206	0	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	PCB CONG #206	0	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9404	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	11.8	0.3	PCB CONGENER #77	4.2	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9411	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.8	0.41	PCB CONGENER #77	4	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9407	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.3	0.33	PCB CONGENER #77	3.6	0	NG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	TOXAPHENE-LIKE COMPOUNDS	1	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	TOXAPHENE-LIKE COMPOUNDS	1	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	TOXAPHENE-LIKE COMPOUNDS	1	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	TOXAPHENE-LIKE COMPOUNDS	1	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	TOXAPHENE-LIKE COMPOUNDS	1	4	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9409	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	12.4	0.36	ZINC DISSOLVED ICP	14	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9414	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	14.4	0.52	ZINC DISSOLVED ICP	14	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9403	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	11.7	0.28	ZINC DISSOLVED ICP	13	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9405	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	11.8	0.3	ZINC DISSOLVED ICP	13	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9406	7/6/94	WHITE SUCKER	WHOLE FISH	M	1	11.8	0.32	ZINC DISSOLVED ICP	13	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9401	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	8.8	0.37	ZINC DISSOLVED ICP	11	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9413	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	13.4	0.43	ZINC DISSOLVED ICP	11	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9415	7/6/94	WHITE SUCKER	WHOLE FISH	F	1	14.8	0.63	ZINC DISSOLVED ICP	11	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9416	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	15.2	0.55	ZINC DISSOLVED ICP	10	1	UG/G
605050	SHEBOYGAN RIVER PENNSYLVANIA AVENUE	9402	7/6/94	WHITE SUCKER	WHOLE FISH	U	1	10.6	0.31	ZINC DISSOLVED ICP	9.9	1	UG/G

## **APPENDIX B**

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### **Quality Assurance Project Plan**

**SIGNATURE PAGE**

**SHEBOYGAN RIVER ECOLOGICAL RISK ASSESSMENT  
QUALITY ASSURANCE PROJECT PLAN**

Approved by:

\_\_\_\_\_  
Kathy Godtfredsen  
EVS Technical Manager  
EVS Environment Consultants

\_\_\_\_\_  
Date

Approved by:

\_\_\_\_\_  
Kim Magruder  
EVS QA Coordinator  
EVS Environment Consultants

\_\_\_\_\_  
Date

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## LIST OF ACRONYMS

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<b>ARI</b>	Analytical Resources, Inc.
<b>ASTM</b>	American Society for Testing and Materials
<b>AVS</b>	acid volatile sulfides
<b>CVAA</b>	cold vapor atomic absorption
<b>DQO</b>	data quality objective
<b>ERA</b>	ecological risk assessment
<b>EVS</b>	EVS Environment Consultants, Inc.
<b>FSP</b>	field sampling plan
<b>GC</b>	gas chromatography
<b>GFAA</b>	graphite furnace atomic absorption
<b>HRGC</b>	high-resolution gas chromatography
<b>HRMS</b>	high-resolution mass spectrometry
<b>ICP</b>	inductively coupled plasma atomic emission spectrometry
<b>MDL</b>	method detection limit
<b>MS</b>	mass spectrometry
<b>PAH</b>	polycyclic aromatic hydrocarbon
<b>PCB</b>	polychlorinated biphenyl
<b>PSEP</b>	Puget Sound Estuary Program
<b>QAPP</b>	quality assurance project plan
<b>QA/QC</b>	quality assurance/quality control
<b>RPD</b>	relative percent difference
<b>%RSD</b>	percent relative standard deviation
<b>SEM</b>	simultaneously extracted metal
<b>SIM</b>	selected ion monitoring
<b>TDL</b>	targeted detection limit
<b>TOC</b>	total organic carbon
<b>TRV</b>	toxicity reference value
<b>WP</b>	work plan

## 1.0 INTRODUCTION

---

This combined quality assurance project plan (QAPP) is designed to ensure data quality for the collection of sediment, tissue samples, and benthic infauna for the chemical analysis of sediments and tissues and for measurements of toxicity and benthic community structure to support the ecological risk assessment (ERA) for the Sheboygan River site. A detailed description of the study design is provided in the *Sheboygan River and Harbor Aquatic Ecological Risk Assessment Draft Work Plan (WP)* (EVS 1997).

This QAPP describes the quality assurance and quality control (QA/QC) procedures that will be implemented to ensure that the data generated are of sufficient quality to be used in support of the Sheboygan River ERA. This QAPP has been prepared in general accordance with the *Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans* (USEPA 1983), *Preparing Perfect Project Plans* (USEPA 1989), and *EPA Requirements for Quality Assurance Project Plans for Environmental Data Operations* (USEPA 1994).



## 2.0 PROJECT DESCRIPTION

---

A complete description of the project supported by this QAPP is provided in the WP, including a description of the study area (WP Section 1.0), the rationale for the selection of station locations (WP Section 2.0), a detailed discussion of the objectives for this study (WP Section 2.0), and a description of field sampling methods (WP Section 5.0).

## 3.0

# PROJECT ORGANIZATION AND RESPONSIBILITIES

---

The overall project organization and the names of individuals responsible for quality assurance are provided in Figure B-1. Responsibilities of these personnel and the QA Coordinators for specific laboratory and data analysis tasks are described in the following sections.

### 3.1 PROJECT MANAGEMENT

The Project Manager is responsible for overall project coordination, including the production of all project deliverables and the collection and submittal of environmental samples to the designated laboratories for chemical and physical analyses as specified in this QAPP. The Project Manager is:

Kathy Godtfredsen  
EVS Consultants  
200 W. Mercer St., Suite 403  
Seattle, WA 98119  
Telephone: (206) 217-9337  
Facsimile: (206) 217-9343  
E-mail: kathyg@evs.wa.com

### 3.2 QUALITY ASSURANCE

The Project QA Coordinator is responsible for preparing this QAPP, coordinating with the analytical and bioassay laboratories, ensuring data quality for chemical and bioassay analyses, overseeing data validation, and supervising project quality assurance coordination. The Project QA Coordinator is:

Kim Magruder  
EVS Consultants  
200 W. Mercer St., Suite 403  
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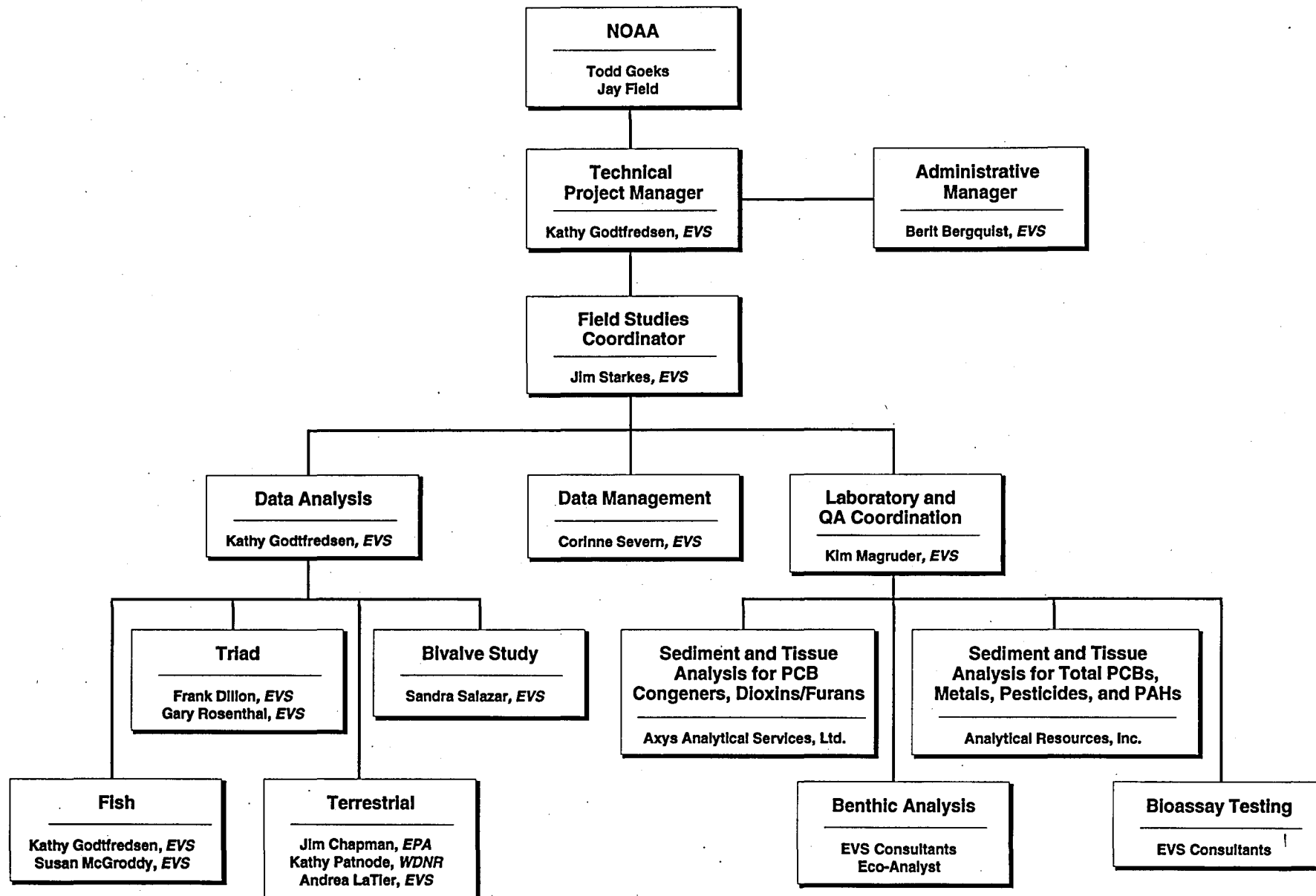


Figure B-1. Project organization and team responsibilities

### 3.3 LABORATORY PROJECT MANAGEMENT

A project manager from each laboratory will provide analytical support to this project and be responsible for ensuring that all laboratory analyses meet the project data quality objectives and other specifications detailed in this QAPP. The laboratory project managers are:

Sediment and tissue chemical analyses for metals, polycyclic aromatic hydrocarbons (PAHs), pesticides/polychlorinated biphenyls (PCBs), total organic carbon (TOC), acid volatile sulfides (AVS)/simultaneously extracted metals (SEM), moisture content, percent lipids, and grain size:

Mark Harris  
Analytical Resources, Inc.  
333 Ninth Avenue N.  
Seattle, WA 98109  
Telephone: (206) 621-6490  
Facsimile: (206) 621-7523

Tissue and sediment chemical analyses for PCB congeners, dioxins, furans, percent lipids, and percent moisture:

Laurie Phillips  
Axys Analytical Services Ltd.  
P.O. Box 2219  
2045 Mills Road  
Sidney, B.C., Canada V86358  
Telephone: (250) 656-0881  
Facsimile: (250) 656-4511

Bioassay analyses (amphipod and chironomid larvae):

Jennifer Stewart  
EVS Consultants  
195 Pemberton  
North Vancouver, B.C., Canada V7P 2R4  
Telephone: (604) 986-4331  
Facsimile: (604) 662-8548

**Benthic community analysis:**

**Benthic sorting**

Gary Rosenthal  
EVS Consultants  
200 W. Mercer St., Suite 403  
Seattle, WA 98119  
Telephone: (206) 217-9337  
Facsimile: (206) 217-9343

**Benthic identification**

Gary Lester  
Eco-Analyst  
105 E. Second St., Suite 2  
Moscow, ID 83843  
Telephone (208) 882-2588  
Facsimile (208) 882-2588

The contract laboratories are expected to meet the following minimum technical requirements as specified in their negotiated contracts with EVS:

- Adhere to the methods outlined in the statement of work, including those methods referenced for each analytical procedure
- Deliver electronic data files as specified
- Meet reporting requirements
- Implement QA/QC procedures, including the QAPP data quality requirements, method requirements, and performance evaluation testing requirements
- Allow EVS to perform laboratory and data audits, if deemed necessary
- Follow appropriate documentation, chain-of-custody, and sample logbook procedures
- Meet schedules for deliverables

Deviations from the laboratory procedures specified in the QAPP will not be permitted without written documentation of the intended change and the rationale. All changes must be approved in advance by the EVS QA Coordinator.

## 4.0

# QUALITY ASSURANCE OBJECTIVES

---

The overall quality assurance objective for this project is to develop and implement procedures that will ensure the collection of representative data of known, acceptable, and defensible quality. Table B-1 summarizes quality assurance objectives for each analysis type. Targeted detection limits (TDLs) shown in Table B-2 for tissue and sediment are based on contaminant of concern specific toxicity reference values (TRVs). Interferences in individual samples may result in an increase in the reported detection limits. To achieve the required low detection limits, some modifications to the methods are necessary. The method modifications are presented in Section 7.1.3.

The data quality parameters used to assess the acceptability of the data are precision, accuracy, representativeness, comparability, and completeness. These parameters are discussed below.

### 4.1 PRECISION

Precision is the measure of the reproducibility among individual measurements of the same property, usually under similar conditions, such as multiple measurements of the same sample. Precision goals can be defined for all parameters of this project (chemical and biological). Precision is assessed by performing multiple analyses on a sample and is expressed as a relative percent difference (RPD) when duplicate analyses are performed and as a percent relative standard deviation (%RSD) when more than two analyses are performed on the same sample (i.e., triplicates). Precision is assessed by duplicate analyses for all parameters except when reference materials are not available or spiking of the matrix is inappropriate; in these cases, precision is assessed by triplicate analyses. Precision measurements can be affected by the nearness of a chemical concentration to the method detection limit, where the percent error (expressed as either %RSD or RPD) increases. The equations used to express precision are as follows:

$$RPD = \frac{|\text{measured value} - \text{measured duplicate value}|}{(\text{measured value} + \text{measured duplicate value}) / 2} \times 100$$

Table B-1. Summary of data quality objectives

PARAMETER	UNITS	METHOD DETECTION LIMIT	SAMPLE SIZE	PRECISION	ACCURACY	COMPLETENESS	METHOD	REFERENCE	CONTAINER	HOLDING TIME	PRESERVATIVE
<b>Sediment</b>											
Total Metals	mg/kg (dry weight)	0.15 - 95	50 g	±35%	±35%	95%	GFAA/ ICP	USEPA 6010/700	Glass	2 years	Freeze
Mercury	mg/kg (dry weight)	0.05	Allquot from total metals	±35%	±35%	95%	CVAA	USEPA Method 7471	na	28 days 1 year	Cool/4°C freeze
Pesticides/ PCBs	µg/kg (dry weight)	0.6 - 7	150 g	±50%	±50%	95%	GC/ECD	USEPA 8081	Glass	1 year	Freeze
PCB Congeners	pg/g (dry weight)	0.1	30 g	±50%	70-120%	95%	GC/MS	AXYS CL-S-01 /Ver.2	Glass	1 year	Freeze
Toxic PCB Congeners	pg/g (dry weight)	0.2 - 1.5	30 g	±50%	70-120%	95 %	HRGC/HRMS	USEPA Method 1668	Glass	1 year	Freeze
Dioxins and Furans	pg/g (dry weight)	.05 - 0.8	30 g	±50%	70-120%	95%	HRGC/HRMS	USEPA Method 1613B	Glass	1 year	Freeze
PAHs	µg/kg (dry weight)	10	150 g	±50%	±50%	95%	GC/MS-SIM	Modified USEPA 8270	Glass	1 year	Freeze
Total organic carbon	% (dry weight)	0.1	25 g	±20%	±20%	95%	Combustion	PSEP; Standard Method 5310B	Glass	6 months	Freeze
Acid-volatile sulfides	µmole/g	0.9	10 g	±30%	±25%	95%	Distillation, titration	Allen et al. 1991	Glass	14 days	No headspace cool/4°C/ dark
Simultaneously extracted metals	µmole/g	0.02-0.5	From AVS extract	±35%	±35%	95%	ICP/GFAA	Modified CLP after extraction	na	14 days	na
Molsture Content	%	0.1	50 g	±10%	±20%	95%	Combustion	USEPA Method 160.3	Glass	6 months	Freeze
Grain size	0.0001 (dry weight)	na	500 g	±30%	na	95%	Sieve	ASTM D422	Glass	6 months	Cool/4 C
Amphipod <i>Hyalella azteca</i>	growth and % mortality	na	1000 g	±0%	±0%	95%	10-day static exposure	ASTM	Glass	56 days	Cool/4 C/ dark/nitrogen atmosphere
Midge <i>Chironomus tentans</i>	growth and % mortality	na	1000 g	±0%	±0%	95%	10-day static exposure	ASTM	Glass	56 days	Cool/4 C/ dark/ nitrogen atmosphere
Benthic Community	na	na	1 L	na	na	95%	Sieve	Modified PSEP	Plastic	14 days	Formalin →alcohol

Table B-1. continued

PARAMETER	UNITS	METHOD DETECTION LIMIT	SAMPLE SIZE	PRECISION	ACCURACY	COMPLETENESS	METHOD	REFERENCE	CONTAINER	HOLDING TIME	PRESERVATIVE
<b>Tissue</b>											
Total Metals	mg/kg (as received)	.025 - 20	10 g	±35%	±35%	95%	GFAA/ ICP	USEPA 6010/700	Glass	2 years	Freeze
Mercury	mg/kg (as received)	.005	Allquot from total metals	±35%	±35%	95%	CVAA	USEPA Method 7471	na	28 days 1 year	Cool/4°C freeze
Pesticides/ PCBs	µg/kg (as received)	17 - 100	30 g	±50%	±50%	95%	GC/ECD	Modified USEPA 8081	Glass	1 year	Freeze
PCB Congeners	pg/g (as received)	0.1	30 g	±50%	70-120%	95%	GC/MS	AXYS CL-T-02 /Vers. 2	Glass	1 year	Freeze
Toxic PCB Congeners	ng/g (as received)	0.1	30 g	±50%	70-120%	95%	HRGC/HRMS	USEPA Method 1668	Glass	1 year	Freeze
PAHs	µg/kg (as received)	7	20 g	±50%	±50%	95%	GC/MS-SIM	PSEP	Glass	1 year	Freeze
Dioxins and Furans	pg/g (as received)	.05 - 0.8	30 g	±50%	70-120%	95%	HRGC/HRMS	USEPA Method 1613B	Glass	1 year	Freeze
Moisture Content	%	0.1	20 g	±10%	±20%	95%	Combustion	USEPA Method 160.3	Glass	6 months	Freeze
Percent lipids	%	na	Allquot from PAH	±30%	na	95%	Gravimetric	Bligh and Dyer 1959	Glass	1 year	Freeze

NOTE: CVAA - cold vapor atomic absorption  
GC/MS - gas chromatography/mass spectrometry  
GFAA - graphite furnace atomic absorption  
HRGC/HRMS - High resolution gas chromatography / High resolution mass spectrometry  
ICP - inductively coupled plasma atomic emission spectrometry  
na - not applicable  
SIM - selected ion monitoring



Table B-2. Targeted detection limits

ANALYTE	SEDIMENT	FISH TISSUE	MUSSEL TISSUE
<b>PAHs<sup>a</sup> (ug/kg)</b>			
Acenaphthylene	7	na	10
Acenaphthene	7	na	10
Fluorene	7	na	10
Phenanthrene	7	na	10
Anthracene	7	na	10
Fluoranthene	7	na	10
Pyrene	7	na	10
Benz(a)anthracene	7	na	10
Chrysene	7	na	10
Benzo(b)fluoranthene	7	na	10
Benzo(k)fluoranthene	7	na	10
Benzo(a)pyrene	7	na	10
Indeno(1,2,3-cd,)pyrene	7	na	10
Naphthalene	7	na	10
<b>Pesticides/PCBs<sup>b</sup> (ug/kg)</b>			
Gamma-BHC Lindane	1.0	na	2.5
Heptachlor epoxide	1.0	na	2.5
Dieldrin	2.0	na	4.1
P,p'-DDE	2.0	na	4.1
Endrin	2.0	na	4.1
P,p'-DDD	2.0	na	4.1
P,p' -DDT	2.0	na	4.1
Chlordane	1.0	na	4.1
Total DDT	1.0	na	12.3
PCBs (each Aroclor)	20	na	50
Aroclor 1221	40	na	100
<b>Metals<sup>c</sup> (mg/kg)</b>			
Arsenic	5	na	0.1
Cadmium	0.25	na	0.02
Chromium	17	na	0.5
Copper	12	na	3
Lead	17	na	2
Mercury	0.075	na	0.05
Nickel	7	na	1
Silver	0.5	na	0.02
Zinc	47	na	0.4
<b>PCB Congeners (BZ no.)<sup>d</sup> (pg/g wet weight)</b>			
2,3/2,4' (5/8)	0.1	0.1	na
4,4' (15)	0.1	0.1	na
2,2',3/2,4',6 (16/32)	0.1	0.1	na
2,2',4 (17)	0.1	0.1	na
2,2',5 (18)	0.1	0.1	na
2,2',6 (19)	0.1	0.1	na
2,3,4' (22)	0.1	0.1	na
2,3,6/2,3',6 (24/27)	0.1	0.1	na
2,3',4 (25)	0.1	0.1	na
2,3',5 (26)	0.1	0.1	na
2,4,4'/2,4',5 (28/31)	0.1	0.1	na
2',3,4 (33)	0.1	0.1	na
2,2',3,3' (40)	0.1	0.1	na
2,2',3,4/2,3,4',6/2,3',4',6 (41/64/71)	0.1	0.1	na
2,2',3,4' (42)	0.1	0.1	na
2,2',3,5' (44)	0.1	0.1	na

Table B-2. continued

ANALYTE	SEDIMENT	FISH TISSUE	MUSSEL TISSUE
2,2',3,6 (45)	0.1	0.1	na
2,2',3,6' (46)	0.1	0.1	na
2,2',4,4',2,2',4,5 (47/48)	0.1	0.1	na
2,2',4,5' (49)	0.1	0.1	na
2,2',5,5' (52)	0.1	0.1	na
2,3,3',4',2,3,4,4' (56/60)	0.1	0.1	na
2,3',4,5' (68)	0.1	0.1	na
2,3',4',5/2',3,4,5 (70/76)	0.1	0.1	na
2,4,4',5 (74)	0.1	0.1	na
2,2',3,3',5 (83)	0.1	0.1	na
2,2',3,3',6/2,2',3,4,6' (84/89)	0.1	0.1	na
2,2',3,4,4' (85)	0.1	0.1	na
2,2',3,4,5' (87)	0.1	0.1	na
2,2',3,4',5/2,2',4,5,5' (90/101)	0.1	0.1	na
2,2',3,4',6 (91)	0.1	0.1	na
2,2',3,5',6 (95)	0.1	0.1	na
2,2',3',4,5 (97)	0.1	0.1	na
2,2',4,4',5 (99)	0.1	0.1	na
2,3,3',4',5 (107)	0.1	0.1	na
2,3,3',4',6 (110)	0.1	0.1	na
2,2',3,3',4,4' (128)	0.1	0.1	na
2,2',3,3',4,5 (129)	0.1	0.1	na
2,2',3,3',4,5' (130)	0.1	0.1	na
2,2',3,3',4,6 (131)	0.1	0.1	na
2,2',3,3',5,6 (134)	0.1	0.1	na
2,2',3,3',5,6/2,2',3,4,5',6 (135/144)	0.1	0.1	na
2,2',3,3',6,6' (136)	0.1	0.1	na
2,2',3,4,4',5 (137)	0.1	0.1	na
2,2',3,4,4',5/2,3,3',4',5,6/2,3,3',4',5',6 (138/163/164)	0.1	0.1	na
2,2',3,4,5,5' (141)	0.1	0.1	na
2,2',3,4,5',6 (144)	0.1	0.1	na
2,2',3,4',5,5' (146)	0.1	0.1	na
2,2',3,4',5',6 (149)	0.1	0.1	na
2,2',3,5,5',6 (151)	0.1	0.1	na
2,2',4,4',5,5' (153)	0.1	0.1	na
2,3,3',4,4',5' (157)	0.1	0.1	na
2,3,3',4,4',6 (158)	0.1	0.1	na
2,2',3,3',4,4',5/2,3,3',4,4',5,6 (170/190)	0.1	0.1	na
2,2',3,3',4,4',6 (171)	0.1	0.1	na
2,2',3,3',4,5,5' (172)	0.1	0.1	na
2,2',3,3',4,5,6' (174)	0.1	0.1	na
2,2',3,3',4,5',6 (175)	0.1	0.1	na
2,2',3,3',4,6,6' (176)	0.1	0.1	na
2,2',3,3',4',5,6 (177)	0.1	0.1	na
2,2',3,3',5,5',6 (178)	0.1	0.1	na
2,2',3,3',5,6,6' (179)	0.1	0.1	na
2,2',3,4,4',5,6/2,2',3,4',5,5',6 (182/187)	0.1	0.1	na
2,2',3,4,4',5',6 (183)	0.1	0.1	na
2,2',3,4,5,5',6 (185)	0.1	0.1	na

Table B-2. continued

ANALYTE	SEDIMENT	FISH TISSUE	MUSSEL TISSUE
2,3,3',4,4',5',6 (191)	0.1	0.1	na
2,3,3',4',5,5',6 (193)	0.1	0.1	na
2,2',3,3',4,4',5,5' (194)	0.1	0.1	na
2,2',3,3',4,4',5,6 (195)	0.1	0.1	na
2,2',3,3',4,4',5,6' (196)	0.1	0.1	na
2,2',3,3',4,4',6,6' (197)	0.1	0.1	na
2,2',3,3',4,5,5',6 (198)	0.1	0.1	na
2,2',3,3',4,5,6,6' (199)	0.1	0.1	na
2,2',3,3',4,5,5',6' (201)	0.1	0.1	na
2,2',3,4,4',5,5',6 (203)	0.1	0.1	na
2,3,3',4,4',5,5',6 (205)	0.1	0.1	na
2,2',3,3',4,4',5,5',6 (206)	0.1	0.1	na
2,2',3,3',4,4',5,6,6' (207)	0.1	0.1	na
2,2',3,3',4,5,5',6,6' (208)	0.1	0.1	na
2,2',3,3',4,4',5,5',6,6' (209)	0.1	0.1	na
<b>Toxic PCB Congeners (BZ no.)<sup>4a</sup> (pg/g wet weight)</b>			
3,3',4,4' (77)	0.23	0.23	na
2',3,4,4',5 (123)	0.50	0.50	na
2,3',4,4',5 (118)	0.50	0.50	na
2,3,4,4',5 (114)	0.50	0.50	na
2,3,3',4,4' (105)	0.50	0.50	na
3,3',4,4',5 (126)	0.50	0.50	na
2,3',4,4',5,5' (169)	1.00	1.00	na
2,3,3',4,4',5 (156)	1.00	1.00	na
2,3',4,4',5,5' (167)	1.00	1.00	na
2,2',3,4,4',5,5' (180)	1.00	1.00	na
2,2',3,3',4,4',5 (170)	1.00	1.00	na
2,3,3',4,4',5,5' (189)	1.00	1.00	na
<b>Dioxins/furans* (pg/g wet weight)</b>			
2,3,7,8-TCDD	0.02	0.02	na
1,2,3,7,8-PeCDD	0.04	0.04	na
1,2,3,4,7,8-HxCDD	0.06	0.06	na
1,2,3,6,7,8-HxCDD	0.06	0.06	na
1,2,3,7,8,9-HxCDD	0.06	0.06	na
1,2,3,4,6,7,8-HpCDD	0.15	0.15	na
OCDD	0.25	0.25	na
2,3,7,8-TCDF	0.02	0.02	na
1,2,3,7,8-PeCDF	0.04	0.04	na
2,3,4,7,8-PeCDF	0.06	0.06	na
1,2,3,4,7,8-HxCDF	0.06	0.06	na
1,2,3,6,7,8-HxCDF	0.06	0.06	na
1,2,3,7,8,9-HxCDF	0.06	0.06	na
2,3,4,6,7,8-HxCDF	0.06	0.06	na
1,2,3,4,6,7,8-HpCDF	0.15	0.15	na
1,2,3,4,7,8,9-HpCDF	0.15	0.15	na
OCDF	0.25	0.25	na
Total Tetra-dioxins	0.02	0.02	na
Total Penta-dioxins	0.04	0.04	na
Total Hexa-dioxins	0.06	0.06	na
Total Hepta-dioxins	0.15	0.15	na
Total Tetra-furans	0.02	0.02	na
Total Penta-furans	0.04	0.04	na

Table B-2. continued

ANALYTE	SEDIMENT	FISH TISSUE	MUSSEL TISSUE
Total Hexa-furans	0.06	0.06	na
Total Hepta-furans	0.15	0.15	na
Acid Volatile Sulfides	0.9 $\mu$ mole/g	na	na
Simultaneously Extracted Metals	0.02 - 0.5 $\mu$ mole/g	na	na
Total Organic Carbon	0.1%		
Moisture Content	0.1	na	na
Percent Lipids	na	na	na
Grain Size	0.0001	na	na

NOTE: na - not applicable

- PAHs in sediment and tissue are based on detection limits in the food chain study. This detection limit for sediment is lower than TELs for individual PAHs. The detection limit for tissues is slightly higher than in the food chain study (7  $\mu$ g/kg). The lab (ARI) may be able to obtain a detection limit of 5  $\mu$ g/kg barring any matrix interferences.
- Pesticides/PCBs TDLs in sediment are equal to the TEL (Smith et al. 1996, USEPA 1996). Pesticides/PCBs in mussel tissue are equal to the lab (ARI) detection limits.
- Metals in sediment are equal to the TEL, except for silver which is equal to the ERL. Metals in mussels are the lowest concentrations that were detected in crayfish or insects during the food chain study for arsenic and copper. For other metals, the TDLs are equal to the lab (ARI) detection limit, because the lowest concentrations in the food chain study could not be obtained (Cd, Cr, Pb, Hg, and Ag), or previous data were not available (Ni, Zn).
- Ballschmitter-Zell (BZ) number is in parentheses.
- Laboratory detection limits (Axys). These are lower than the concentrations associated with TCDD risk to fish in tissue (50 pg/g) and sediment (60 pg/g) (EPA 1993).

$$\%RSD = (SD / D_{ave}) \times 100$$

$$\text{Where: } SD = \sqrt{\frac{\sum_{n=1}^n (D_n - D_{ave})^2}{n-1}}$$

D = sample value #

D<sub>ave</sub> = average sample value #

n = number of samples

## 4.2 ACCURACY

Accuracy is an expression of the degree to which a measured or computed value represents the true value. Accuracy measurements apply only to the chemical analysis portion of this project; accuracy measurements cannot be assessed for toxicity or benthic sorting because true values do not exist. However, the use of positive and negative controls in toxicity testing provides evidence that the measurement system was properly calibrated. For benthic analyses, taxonomic identification will be verified by an independent taxonomist. Accuracy may be expressed as the percent difference between two measured values, as a percentage of the true or reference value, or as a percent recovery in those analyses where reference materials are not available and spiked samples are analyzed. The equations used to express accuracy are as follows:

$$\text{Percent difference} = \frac{(\text{measured value} - \text{true value})}{\text{true value}} \times 100$$

$$\text{Percent recovery (true vs. measured)} = \frac{(\text{measured value})}{\text{true value}} \times 100$$

$$\text{Percent recovery (spiked vs. unspiked)} = \frac{\text{spiked sample result} - \text{unspiked sample result}}{\text{amount of spike added}} \times 100$$

## 4.3 REPRESENTATIVENESS

Representativeness expresses the degree to which data accurately and precisely represent an environmental condition. For this program, the substances selected for analysis have been identified as the potential hazardous substances related to the Sheboygan River site. For bioassays, the toxicity of the sediments tested represents the toxicity of those sediments to the particular species employed and perhaps to closely related species and life stages in the study area.

#### 4.4 COMPARABILITY

Comparability expresses the confidence with which one data set can be evaluated in relation to another data set. For the Sheboygan River investigation, comparability of data will be established through the use of program-defined general methodologies and reporting formats and the use of common, traceable calibration and reference materials from the National Institute of Standard and Technology or other established sources.

#### 4.5 COMPLETENESS

Completeness is a measure of the amount of data that is determined to be valid in proportion to the amount of data collected. Completeness will be calculated as follows:

$$\text{Completeness} = \frac{\text{number of valid measurements}}{\text{total number of data points planned}} \times 100$$

The data quality objective for completeness for all components of this project is 95 percent. Data that have been qualified as estimated because the quality control criteria were not met will be considered valid for the purpose of assessing completeness. Data that have been qualified as rejected will not be considered valid for the purpose of assessing completeness.

## 5.0 SAMPLING PROCEDURES

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Sampling procedures for this investigation are described in detail in Section 5.0 of the WP.

### 5.1 SAMPLE ACCEPTABILITY

Samples will be considered acceptable for analysis unless they fail to meet the sample acceptability criteria described in the WP.

### 5.2 FIELD QUALITY CONTROL CRITERIA

Although validation guidelines have not been established for field quality control samples, their analysis is useful in identifying possible problems resulting from sample collection or sample processing in the field. All field quality control samples will be documented in the field logbook and verified by the QA Coordinator or a designee. The field quality control samples that will be collected during this investigation are discussed in the following subsections.

#### 5.2.1 Certified Reference Materials

Analysis of reference materials and certified reference materials provides information on the accuracy of the analysis and the performance of the laboratory. At least one reference material will be analyzed for each analyte group, contingent on availability and at the discretion of the QA Coordinator.

#### 5.2.2 Field Blanks

Field blanks are used to assess whether the samples have been contaminated during sample collection. The field blanks discussed below will be collected throughout the sampling event for this investigation.

##### 5.2.2.1 *Cross Contamination Blanks*

Cross contamination blanks are used to assess whether and to what degree contamination is crossing from one sample to the next during sample collection or processing. A cross contamination blank is created by wiping the sample processing equipment with ashless

filter paper after it has undergone decontamination procedures. Because the sediment in contact with the sampling device will not be collected, cross contamination blanks will not be prepared for the sampling device. A minimum of one cross contamination blank will be submitted for the analysis of metals, PAHs, pesticides/PCBs, PCB congeners, and dioxins/furans for every 20 samples processed in the field or per sampling event, whichever is most frequent.

#### **5.2.2.2 Filter Blanks**

Filter blanks are used in conjunction with the cross contamination blanks to assist in verifying the source of contamination (e.g., if an analyte is detected in the cross contamination blank but not in the filter blank then the contamination could be a result of insufficient decontamination procedures or poor field technique). One filter blank will be submitted for the analysis of metals, PAHs, pesticides/PCBs, PCB congeners, and dioxins/furans per box of filter papers used.

#### **5.2.2.3 Field Duplicate Samples**

Field duplicate samples will be collected for sediments associated with the triad sampling. One sediment field duplicate sample will be collected for every 10 field samples, and the duplicate samples will be submitted for the same analyses as the corresponding field samples. Duplicate samples will be collected from the same homogenized material as the corresponding field sample.



## 6.0

# SAMPLE HANDLING AND CUSTODY

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Sample custody is a critical aspect of environmental investigations. Sample possession and handling must be traceable from the time of sample collection, through laboratory and data analysis, to the time sample results are ready to be introduced as evidence. Documentation procedures for sampling are provided in greater detail in the WP. This section describes the minimum program requirements for sample handling and chain-of-custody procedures.

### 6.1 FIELD SAMPLING OPERATIONS

Field sampling operations and documentation are discussed in detail in the WP. Station log and field logbook entries will be completed for each station occupied and each sample taken. Sample containers will be labeled with the client name, project number, sample number, site, date, time, required analyses, and the name of the individual taking the sample (see Figure B-2). The QA Coordinator or designee will check all container labels, chain-of-custody form entries, and logbook entries for completeness and accuracy at the end of each sampling day.

### 6.2 SAMPLE PRESERVATION

The requirements for preserving sample aliquots destined for each type of analysis are listed in Table B-1. In brief, immediately after the samples are placed in sample containers, the containers will be placed in the appropriate coolers with a sufficient number of ice packs (or crushed ice) to keep them cold through the completion of that day's sampling and transport to the laboratories. The samples will be stored as indicated in Table B-1.

### 6.3 SAMPLE CHAIN OF CUSTODY

Samples are considered to be "in custody" if they are: 1) in the custodian's possession or view; 2) in a secured place (under lock) with restricted access; or 3) in a container that is secured with an official seal(s) such that the sample cannot be reached without breaking the seal(s). The principal documents used to identify samples and to document possession are chain-of-custody records, field logbooks, and field tracking forms. Chain-of-custody forms will include the following information: client name, survey

Client: \_\_\_\_\_ Project: \_\_\_\_\_  
Sample \_\_\_\_\_ Site \_\_\_\_\_  
Date \_\_\_\_\_ Time \_\_\_\_\_ Sampler \_\_\_\_\_  
Analysis \_\_\_\_\_  
Comments: \_\_\_\_\_

**Figure B-2. Sample label**

number, sample number, sampling date and time, sample tag number, required analyses, and initials of the individual processing the sample. Chain-of-custody procedures will be used for all samples at all stages in the analytical or transfer process and for all data and data documentation whether in hard copy or electronic format.

## **6.4 SAMPLE SHIPMENT**

The EVS QA Coordinator and Field Coordinator or their designees will be responsible for all sample tracking and chain-of-custody procedures in the field. The QA Coordinator or a designee will be responsible for final sample inventory and will maintain chain-of-custody documentation. At the end of each day, and prior to transfer, chain-of-custody entries will be made for all samples. Finally, information on the sample labels will be checked against sample logbook entries and chain-of-custody forms, and samples will be recounted. All samples will be accompanied by chain-of-custody forms; the forms will be signed at each point of transfer and will include sample numbers. All chain-of-custody forms will be completed in indelible ink. Copies of all forms will be retained by EVS and will be included as appendices to QA/QC reports.

Before shipping, sample containers will be placed in sealable plastic bags, wrapped in bubble wrap, and securely packed inside the cooler with ice packs or crushed ice. The original, signed chain-of-custody forms will be placed in a sealable plastic bag, which will be taped to the inside of the cooler lid. Fiber tape will be wrapped completely around the cooler. On each side of the cooler a "This Side Up" label with arrow will be appropriately attached, and a "Glass-Handle with Care" label will be attached to the top of the cooler (as appropriate). The cooler will be sealed with custody seal tape, which will be dated and initialed.

All samples will be shipped via Federal Express to the appropriate laboratories as indicated in Section 3.3 of this QAPP.

## **6.5 SAMPLE RECEIPT**

The Laboratory Project Managers at each laboratory will ensure that chain-of-custody forms are properly signed upon receipt of the samples and will note questions or observations concerning sample integrity on the chain-of-custody forms. The laboratories will contact the Project QA Coordinator immediately if discrepancies are discovered between the chain-of-custody forms and the sample shipment upon receipt. The Laboratory Project Manager will specifically note any coolers that do not contain ice packs or that are not sufficiently cold ( $4^{\circ}\text{C} \pm 2^{\circ}$ ) upon receipt.

## **6.6 INTRA-LABORATORY SAMPLE TRANSFER**

The Laboratory Project Manager will ensure that a sample-tracking record that follows each sample through all stages of laboratory processing is maintained. The sample-tracking record must contain, at a minimum, the name/initials of responsible individuals performing the analyses, dates of sample extraction/preparation and analysis, and the type of analysis being performed.

## **6.7 ARCHIVED SAMPLES**

Excess samples remaining after laboratory analysis will be archived. The laboratories will maintain chain-of-custody procedures and sample integrity for the entire time that the samples are in their possession. All laboratories will archive frozen samples on site for 1 year following completion of data validation. The laboratories must obtain approval from the Project QA Coordinator before disposing of any samples, archived or otherwise.

## 7.0

# CHEMISTRY ANALYSES AND QUALITY CONTROL PROCEDURES

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### 7.1 SAMPLE ANALYSES

Prior to analysis of the samples, the laboratory must provide written protocols for the analytical methods to be used, calculate method detection limits (MDLs) for each analyte in each matrix of interest, and establish an initial calibration curve for all analytes. The laboratory must demonstrate their continued proficiency by participation in interlaboratory comparison studies and through repeated analysis of certified reference materials, calibration checks, laboratory reagent blanks, and spiked samples.

#### 7.1.1 Analytical Methods and Targeted Detection Limits

The methods of analysis and associated TDLs are identified in Table B-2.

#### 7.1.2 Determination of Method Detection Limits

The MDL is defined as the lowest concentration of an analyte or compound that a method can detect in either a sample or a blank with 99 percent confidence. The laboratories determine MDLs using standard procedures outlined in 40 CFR, Part 136, Appendix B. In summary, seven replicate samples are fortified at 1 to 5 times (but not to exceed 10 times) the level expected to be the MDL. The MDL is then determined by calculating the standard deviation of the replicates and multiplying by a factor of 3.14.

#### 7.1.3 Laboratory Quality Control Criteria

Results of the quality control samples from each sample group will be reviewed by the analyst immediately after a sample group has been analyzed. The quality control sample results will then be evaluated to determine if control limits have been exceeded. If control limits are exceeded in the sample group, the Project QA Coordinator will be contacted immediately, and corrective action (e.g., method modifications followed by reprocessing of the affected samples) will be initiated prior to the processing of a subsequent group of samples.

All primary chemical standards and standard solutions used in this project will be traceable to the National Institute of Standards and Technology, Environmental Resource Associates, National Research Council of Canada, or other documented, reliable, commercial sources. Standards will be validated to determine their accuracy by

comparison with an independent standard. Any impurities found in the standard will be documented. The following sections summarize the procedures that will be used to assess data quality throughout sample analysis. A summary of the types of quality control procedures to be performed by the laboratory is presented in Table B-3. A summary of the associated control limits for precision and accuracy is presented in Table B-1.

#### **7.1.3.1 Initial Calibration**

Multipoint initial calibration will be performed on each instrument at the start of the project, after each major interruption to the analytical instrument, and when any continuing calibration does not meet the specified criteria. The number of points used in the initial calibration is defined in each analytical method. Continuing calibrations will be performed daily for organic analyses, every 10 samples for metals, and with every sample batch for conventional parameters (when applicable) to ensure proper instrument performance.

Instrument blanks or continuing calibration blanks provide information on the stability of the baseline established. Continuing calibration blanks will be analyzed immediately prior to continuing calibration verification at a frequency of one continuing calibration blank for every 10 samples analyzed at the instrument for inorganic analyses and one blank every 12 hours for organic analyses. If the continuing calibration does not meet the specified criteria, the analysis must stop. Analysis may resume after corrective actions have been taken to meet the method specifications. All project samples analyzed after a noncompliant instrument calibration, must be reanalyzed.

#### **7.1.3.2 Standard Reference Materials**

The analysis of standard reference materials and certified reference materials provides information on the accuracy of the analysis and the performance of the laboratory. At least one reference material will be analyzed for chemical parameters for every 20 samples or for each group of samples, whichever is more frequent. All results of the analyses of certified reference materials must fall within the acceptance ranges established for the reference material.

#### **7.1.3.3 Matrix Replicates**

Analytical replicates provide information on the precision of the analysis and are useful in assessing potential sample heterogeneity and matrix effects. Analytical replicates are subsamples of the original sample that are prepared and analyzed as a separate sample, assuming sufficient sample matrix is available. A minimum of one replicate will be analyzed for each sample group or for every 20 samples, whichever is more frequent. If

**Table B-3. Laboratory Quality Control Sample Analysis Summary**

ANALYSIS TYPE	INITIAL CALIBRATION	CONTINUING CALIBRATION	STANDARD REFERENCE MATERIAL	REPLICATES	MATRIX SPIKES	MATRIX SPIKE DUPLICATES	METHOD BLANKS	SURROGATE SPIKES
Metals <sup>a</sup>	Daily	Every 10 samples	1 per 20 samples	1 per 20 samples	1 per 20 samples	na	Each batch	na
PAHs	Prior to Analysis	Daily	1 per 20 samples	na	1 per 20 samples	1 per 20 samples	Each extraction	Each Sample
Pesticides and PCBs (Aroclors)	Prior to Analysis	Daily	1 per 20 samples	na	1 per 20 samples	1 per 20 samples	Each extraction	Each Sample
Dioxins and Furans	Prior to Analysis	Daily	1 per 20 samples	1 per 20 samples	1 per 20 samples	na	Each extraction	Each Sample
PCB Congeners	Prior to Analysis	Daily	1 per 20 samples	na	1 per 20 samples	1 per 20 samples	Each extraction	Each Sample
Toxic PCB Congeners	Prior to Analysis	Daily	1 per 20 samples	na	1 per 20 samples	1 per 20 samples	Each extraction	Each Sample
AVS-SEM	Daily	Every 10 samples	na	1 per 20 samples	1 per 20 samples	na	Each batch	na
Total solids	na	na	na	1 per 20 samples	na	na	na	na
Percent lipids	na	na	na	1 per 20 samples	na	na	na	na

NOTE: na - not applicable

<sup>a</sup> Arsenic, cadmium, chromium, copper, lead, mercury, nickel, silver, and zinc.

insufficient material is available for matrix replicates and spikes, standard reference materials will be substituted.

#### **7.1.3.4 Matrix Spikes and Matrix Spike Duplicates**

The analysis of matrix spike samples provides information on the extraction efficiency of the method on the sample matrix. By performing duplicate matrix spike analyses, information on the precision of the method is also provided for organic analyses. A minimum of one matrix spike will be analyzed for each sample group or for every 20 samples, whichever is more frequent, when possible. A standard reference material will be used to assess method accuracy for those parameters that cannot be spiked.

#### **7.1.3.5 Surrogate Spikes**

All project samples analyzed for organic compounds will be spiked with appropriate surrogate compounds as defined in the analytical methods. Surrogate recoveries will be reported by the laboratories; however, no sample results will be corrected for recovery using these values.

#### **7.1.3.6 Method Blanks**

Method blanks are analyzed to assess possible laboratory contamination at all stages of sample preparation and analysis. A minimum of one method blank will be analyzed for each extraction batch or for every 20 samples, whichever is more frequent.

## **7.2 DATA DELIVERABLES**

Laboratories will be responsible for internal checks on data reporting and will correct errors identified during the quality assurance review. Close contact will be maintained with the laboratories to resolve any quality control problems in a timely manner. The laboratories will be required to report the following:

1. **Project Narrative:** This summary, in the form of a cover letter, will present any problems encountered during any aspect of analysis. The summary will include, but not be limited to, discussion of quality control, sample shipment, sample storage, and analytical difficulties. Any problems encountered, actual or perceived, and their resolutions will be documented in as much detail as necessary.



2. ***Chain-of-Custody Records:*** Legible copies of the chain-of-custody forms will be provided as part of the data package. This documentation will include the time of receipt and the condition of each sample received by the laboratory. Additional internal tracking of sample custody by the laboratory will also be documented.
  
3. ***Sample Results:*** The data package will summarize the results for each sample analyzed. The summary will include the following information when applicable:
  - Field sample identification code and the corresponding laboratory identification code
  - Sample matrix
  - Date of sample extraction/digestion
  - Date and time of analysis
  - Weight and/or volume used for analysis
  - Final dilution volumes or concentration factor for the sample
  - Percent moisture in the sediment and tissue samples
  - Percent lipids in the tissue samples
  - Identification of the instrument used for analysis
  - Method reporting and quantitation limits
  - Analytical results reported to appropriate significant figures with reporting units identified
  - All data qualifiers and their definitions
  - A computer diskette containing all of the data
  
4. ***Quality Assurance/Quality Control Summaries:*** This section will contain the results of all QA/QC procedures. Each QA/QC sample analysis will be documented with the same information required for the sample results (see above). No recovery or blank corrections will be made by the laboratory. The required summaries are listed below; additional information may be requested.

- **Calibration data summary:** Report the concentrations of the initial calibration and daily calibration standards and the date and time of analysis. List the response factor, %RSD, percent difference, and retention time for each analyte as appropriate. Report results for standards to indicate instrument sensitivity.
  - **Internal standard area summary:** Report the stability of internal standard areas as appropriate.
  - **Method blank analysis:** Report the method blank analysis associated with each sample and the concentration of all compounds of interest identified in these blanks.
  - **Surrogate spike recovery:** Report all surrogate spike recovery data for organic analyses. List the name and concentration of all compounds added, percent recoveries, and range of recoveries.
  - **Matrix spike recovery:** Report all matrix spike recovery data for metals, organics, and conventional parameters, as appropriate. List the name and concentration of all compounds added, percent recoveries, and range of recoveries. Report the RPD for all matrix spike and matrix spike duplicate analyses.
  - **Matrix duplicate:** Report the RPD for all matrix duplicate analyses.
  - **Relative retention time:** Report the relative retention time of each analyte detected in the samples for both primary and confirmational analyses as appropriate.
5. **Original Data:** Legible copies of the original data generated by the laboratory will include the following:
- Sample refrigerator temperature logs
  - Sample extraction/digestion, preparation, and cleanup logs
  - Instrument specifications and analysis logs for all instruments used on days of calibration and analysis
  - Reconstructed ion chromatograms for all samples, standards, blanks, calibrations, spikes, replicates, and reference materials
  - Enhanced spectra of detected compounds with associated best-match spectra for each sample

- Printouts and quantitation reports for each instrument used, including reports for all samples, standards, blanks, calibrations, spikes, replicates, and reference materials
- Original data quantification reports for each sample
- Original data for blanks and samples not reported

No recovery or blank corrections will be made by the laboratory.

## 8.0

# BIOASSAY ANALYSES AND QUALITY CONTROL PROCEDURES

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### 8.1 SAMPLE ANALYSES AND QUALITY CONTROL CRITERIA

Approximately 18 sediment samples will be submitted to the EVS laboratory for bioassay analyses. The following sections discuss the components of the QA/QC program.

#### 8.1.1 Project-Specific Standard Operating Procedures

The following two sediment toxicity tests will be used in this study:

***Amphipod Bioassay:*** Short-term adverse effects of potentially contaminated sediment will be evaluated by measuring survival and growth in adult amphipods (*Hyalella azteca*). Amphipods will be exposed to the site-related and reference sediment for a 10-day period. The test will be performed according to the procedures and QA/QC performance standards described in American Society for Testing and Materials (ASTM) Method E1383-94 (ASTM 1996).

***Chironomid Larvae Bioassay:*** Chironomid larvae will be used to evaluate the toxicity of the sediments by measuring the survival and growth of the larvae. *Chironomus tentans* larvae will be used in the present study. Chironomids will be exposed to the site-related and reference sediment for a 10-day period. Test protocols and QA/QC performance standards will be in accordance with ASTM Method E1383-94 (ASTM 1996).

#### 8.1.2 Test Quality Control

Both sediment toxicity tests to be used in the study will incorporate standard QA/QC procedures to ensure that the test results are valid. Standard QA/QC procedures include the use of a negative control, a positive control, reference sediment samples, and measurement of water quality during testing.

***Negative Control*** — A negative control for a sediment toxicity test consists of a clean, inert material and the same diluent seawater used in testing sediment toxicity. For the tests to be used in this study, the negative control will be fine silica sand (#30) obtained from Ocean Construction Supply Ltd., in Vancouver, B.C. The negative control should not exhibit greater than 10 percent mortality.

**Positive Control** — In a positive control for a sediment toxicity test, a reference toxicant is used to establish the relative sensitivity of the test organism. The positive control for sediment test is typically conducted with diluent seawater and without sediment. Reference toxicants used in this study will include zinc sulfate for *H. azteca* and sodium chloride for *C. tentans*. Specific reference toxicants and test methods for the bioassays to be conducted for this study are described in the referenced methods. The positive control should fall within the range of the laboratory mean plus or minus 2 times the standard deviation.

In addition to the positive control described above, an additional positive control will be conducted using ammonia. Ammonia is often present in marine sediments and may be a significant cause of toxicity observed in toxicity tests. The purpose of the ammonia positive control is to determine the toxicity of ammonia to the test organisms being used in this study. Both the amphipod and the larval stages of the chironomid can be sensitive to environmental concentrations of ammonia. For this reason, a positive control will be conducted for the amphipod and chironomid larval tests. The positive control with ammonia will be accomplished using control sediment spiked with ammonia at varying concentrations. The target range of ammonia concentrations used will bracket the expected LC50. A 10-day exposure period will be used for the ammonia positive control.

**Reference Sediment** — A reference sediment will also be included with each bioassay. Reference sediments provide toxicity data that can be used to separate toxicant effects from unrelated effects, such as those of sediment grain size. Sediment samples selected to be the test reference sediment should be collected from an area that represents background concentrations of contaminants and the range of important natural, physical, and chemical characteristics of the test sediments (e.g., sediment grain size and TOC). Appropriate reference sediments will be selected from the background stations sampled during the reconnaissance survey.

**Water Quality Variables** — Bioassays require that proper water quality conditions be maintained to ensure survival of the organisms and to ensure that undue stress is not exerted on the organisms unrelated to test sediments. Water quality variables, including measurements of conductivity, dissolved oxygen, pH, interstitial ammonia (at days 0 and 10), and temperature, are measured during testing. In addition, sulfides, alkalinity, and hardness are measured in the overlying water at days 0 and 10.

### 8.1.3 Test Quality Control Checklists

Quality control checklists recommended by the U.S. Army Corps of Engineers (USEPA and ACOE 1993) will be used by the laboratory to ensure that all test procedures are

followed and that all data are recorded. Laboratory staff are required to complete all elements of the checklists.

## **8.2 DATA DELIVERABLES**

The laboratories will be responsible for internal checks on data reporting and will correct errors identified during the quality assurance review. The bioassay laboratories for this study will be required to report results that are supported by all information recommended by ASTM protocols for quality assurance review, including:

- Cover letter discussing analytical problems (if any) and procedures
- Test methods used for bioassay testing and statistical analyses
- Results for survival, growth, reburial, abnormalities, water quality parameters, reference toxicants, and statistical analyses
- Original data sheets for water quality, survival, growth, reburial, abnormalities, reference toxicant, and statistics
- Original quality control checklists
- Chain-of-custody records
- Computer diskette containing an electronic file of the data

Close contact with the laboratory will be maintained to resolve any quality control problems in a timely manner.

## 9.0

# BENTHIC COMMUNITY ANALYSES

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### 9.1 SAMPLE ANALYSES AND QUALITY CONTROL CRITERIA

Approximately 90 sieved benthic samples (5 replicates each from approximately 18 stations) will be submitted to the EVS laboratory for sorting and taxonomic identification. The following sections outline the quality control procedures to be used for this program.

#### 9.1.1 Sample Sorting

The accepted standard sorting criterion of 95 percent has been established for this project. Samples will be sorted in their entirety unless found to contain more than 500 organisms, in which case they will be subsampled following standard and accepted techniques (Lester 1995). Sorting efficiency will be determined by re-sorting a minimum of 20 percent of each whole-sort sample or the entire sub-sample if a sample has been split. A sample is considered to have passed quality control if the number of organisms found in the re-sort does not differ from the original count by more than 5 percent. Results of the sorting efficiency quality checks will be included in the QA/QC section of the final report.

#### 9.1.2 Identification of Organisms

The consistency and accuracy of the identification of organisms will be checked. Internal quality control will be maintained by checking identifications against verified voucher specimens. Any organism not represented in the reference collections will be sent out for external verification by another equally qualified taxonomist. Complete records on identification will be permanently maintained.

#### 9.1.3 Data Validation

EVS will perform data validation and verification of methods for benthic infauna. Reports will be reviewed to ensure that all quality control requirements have been met and that completeness is acceptable.

## **9.2 DATA DELIVERABLES**

The laboratory will be responsible for internal checks on data reporting and will correct errors identified during the quality assurance review. The laboratory will be required to report results supported by all information recommended by PSEP protocols for quality assurance review, including:

- Cover letter discussing problems (if any) and procedures
- Summary report for taxonomy
- Spreadsheet containing replicate abundance data
- Quality assurance results for 20 percent re-sorting
- Original data sheets
- Screening logs
- Chain-of-custody forms and transfer logs

Close contact with the laboratory will be maintained to resolve any quality control problems in a timely manner.



## 10.0

### **LABORATORY AND FIELD PERFORMANCE AUDITS**

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Laboratory and field performance audits consist of on-site reviews of quality assurance systems and equipment for sampling, calibration, and measurement. Laboratory audits will not be conducted as part of this study; however, all laboratory audit reports will be made available to the EVS QA Coordinator upon request. All laboratories are required to have written procedures addressing internal QA/QC; these procedures have been submitted to EVS and will be reviewed by the Project QA Coordinator to ensure compliance with the QAPP. All laboratories and QA Coordinators are required to ensure that all personnel engaged in sampling and analysis tasks have appropriate training.

## 11.0 CORRECTIVE ACTION PROCEDURES

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### 11.1 CORRECTIVE ACTION FOR FIELD SAMPLING

The Field Coordinator, or a designee, will be responsible for correcting equipment malfunctions throughout the field sampling effort. The EVS QA coordinator will be responsible for resolving situations in the field that may result in nonconformance or noncompliance with the QAPP. All corrective measures will be immediately documented in the field logbook. Corrective action for the field sampling efforts is described in greater detail in the WP.

### 11.2 CORRECTIVE ACTION FOR LABORATORY ANALYSES

All laboratories are required to comply with the standard operating procedures previously submitted to the Project QA Coordinator. The Laboratory Project Managers will be responsible for ensuring that appropriate corrective actions are initiated as required for conformance with this QAPP. All laboratory personnel will be responsible for reporting problems that may compromise the quality of the data.

The EVS QA Coordinator will be notified immediately if any quality control sample exceeds the project-specified control limits (Table B-1). The analyst will identify and correct the anomaly before continuing with the sample analysis. The Laboratory Project Manager will document the corrective action taken in a memorandum submitted to the Project QA Coordinator within 5 days of the initial notification. A narrative describing the anomaly, the steps taken to identify and correct the anomaly, and the treatment of the relevant sample batch (i.e., recalculation, reanalysis, re-extraction) will be submitted with the data package in the form of a cover letter.

## 12.0

### **DATA AND DATA DOCUMENTATION**

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All original data and documentation generated by the laboratories will be kept in a secure location for 7 years after the data have been validated. Chain-of-custody procedures will be followed for all laboratory data and data documentation, whether in hard copy or electronic format. All laboratory data and data documentation, including electronic data files in a format specified by EVS, will be submitted to EVS, as appropriate, for the validation of chemistry data and bioassay results. All data and data documentation are the responsibility of the Technical Manager and will be marked "Confidential."

## 13.0

# DATA REDUCTION AND DATA MANAGEMENT

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## 13.1 DATA REDUCTION

Data reduction is the process by which original data (analytical measurements) are converted or reduced to a specified format or unit to facilitate analysis of the data. Data reduction requires that all aspects of sample preparation that could affect the test result (such as sample volume analyzed or dilutions required) be taken into account in the final result. It is the laboratory analyst's responsibility to reduce the data, which are subjected to further review by the Laboratory Project Manager, the EVS Project Manager, EVS QA Coordinator, and independent reviewers. Sediment results will be reported on a dry-weight basis, with percent moisture noted. Tissue results will be reported on a wet-weight basis, with percent lipids noted. The data will be generated in a form amenable to review and evaluation. Data reduction may be performed manually or electronically. If performed electronically, all software used must be demonstrated to be true and free from unacceptable error.

## 13.2 DATA MANAGEMENT

EVS uses FoxPro<sup>®</sup> to compile and analyze data from laboratories. Laboratories submitting electronic data to EVS Consultants should provide files in one of the following file formats (listed in order of preference):

- Xbase file format (i.e., "dbf" extension)
- Excel<sup>®</sup> 5.0 (or lower)
- ASCII text file with tab delimiters

Additional information about file content is provided below. If the laboratory does not produce the data in the format described, but uses another standard, a representative of the laboratory should contact Corinne Severn, Director of Information Services, prior to preparing the electronic files. Electronic files are due at the same time as the final chemical report. Detailed descriptions of the content of files are provided in the subsections 13.2.1, Guidelines for electronic deliverables from analytical laboratories, and 13.2.2, Guidelines for electronic deliverables from bioassay laboratories.

### 13.2.1 Guidelines for electronic deliverables from analytical laboratories

1. Each row of data should contain only one analyte for a given sample. Therefore, one complete sample will require multiple rows.
2. Each row should contain the following information at a minimum: EVS sample identifier, sample matrix, laboratory sample identifier (if used), date of sampling, date of laboratory analysis, laboratory method, analyte name, measured result, laboratory qualifiers, units, and measurement basis.
3. If using a spreadsheet file to produce the electronic deliverable, the value representing the measured concentration or detection limit should not only be formatted to show the correct number of significant figures but should not contain any trailing digits that are hidden in the formatting.

If using a database program to produce the electronic deliverable, the value representing the measured concentration or detection limit should be stored in a character field, or a field in addition to the numeric result field should be provided to define the correct number of significant figures.

4. If a result for an analyte is below the detection limit, the laboratory qualifier should be "U," and the value in the result column should be the sample-specific detection limit.
5. Laboratory samples for QA/QC should be included and clearly identified in the file with unique laboratory sample identifiers. Additional columns may be used to distinguish the sample type (e.g., matrix spike, matrix spike duplicate).
6. If replicate analyses are conducted on a submitted field sample, the laboratory sample identifier must distinguish between the replicates.
7. Where ever possible, all analytes and replicates for a given sample should be grouped together.

An example of the acceptable electronic deliverable for analytical chemistry is provided in Table B-4.

**Table B-4. Acceptable electronic deliverable for analytical chemistry**

SAMPLE	LAB ID	MATRIX	COLLECTION DATE	ANALYSIS DATE	ANALYTE	METHOD	RESULT	QUALIFIERS	UNITS	MEASUREMENT BASIS
A1	AL1234	tissue	07/16/97	07/22/97	Total solids	EPA 160.3 SM 2540 B	19.6		percent	wet weight
A1	AL1234	tissue	07/16/97	07/22/97	Percent moisture	calculated	81.3		percent	wet weight
A5	AL1235	tissue	07/15/97	07/22/97	Total solids	EPA 160.3 SM 2540 B	17.4		percent	wet weight
A5	AL1235	tissue	07/15/97	07/22/97	Percent moisture	calculated	83.2		percent	wet weight

## 13.2.2 Guidelines for electronic deliverables from bioassay laboratories

1. The file should have a header with the laboratory name, test medium, and test type as describe by scientific name of the organism used, life history stage or organism size range, duration of test, endpoint and unit for endpoint, and an indication of static or flow-through conditions.
2. Each row should contain the following information at a minimum: EVS sample identifier, the laboratory sample identifier (if used), replicate number, test series number, dilution, and the result with units clearly identified.
3. Negative controls should be included in the file with replicates and series number if appropriate.

An example of the acceptable electronic deliverable for bioassays is provided in Table B-5.

**Table B-5. Acceptable electronic deliverable for bioassays**

<b>LABORATORY:</b> ToxTests, Inc.					
<b>MEDIA:</b> Sediment					
<b>TEST TYPE:</b> Amphipod survival, 10 day, static conditions, <i>Ampelisca abdita</i> (adult)					
STATION	SERIES	REPLICATE	DILUTION	SURVIVAL (INDIVIDUALS)	SURVIVAL (%)
Control	1	1	na	19	95
	1	2	na	18	90
	1	3	na	20	100
	1	4	na	19	95
	1	5	na	20	100
Control	1	Mean	na	19.2	96
A1	1	1	na	14	70
	1	2	na	13	65
	1	3	na	12	60
	1	4	na	14	70
	1	5	na	15	75
A1	1	Mean	na	13.6	68
A2	1	1	na	8	40
	1	2	na	7	35
	1	3	na	6	30
	1	4	na	7	35
	1	5	na	8	40
A2	1	Mean	na	7.2	36

A library of routines will be used to translate typical electronic output from laboratory analytical systems and to generate data analysis reports. The use of automated routines ensures that all data are consistently converted into the desired data structures and that operator time is kept to a minimum. In addition, routines and methods for quality checks will be used to ensure such translations are correctly applied. Final electronic files will be made available to the client in an agreed-upon format.

Written documentation will be used to clarify how field and laboratory duplicates and QA/QC samples were recorded in the data tables and to provide explanations of other issues that may arise. The data management task will include keeping accurate records of field and laboratory QA/QC samples so that study team members who use the data will have appropriate documentation.

In addition to placing all data and identifiers in an electronic database, hard copies of all original analytical data or study records will be placed in a library filing system. Each analytical data set or document will be given a unique code (based on the original source of the data or information) and filed based on that code. A master list of all filed documents, sorted in order by filing code, will be maintained for easy retrieval from the library. Data management files will be stored on a secure computer or on a removable hard drive that can be secured.



## 14.0 DATA VALIDATION

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Data validation, initiated in the laboratory, is a process in which data are reviewed and evaluated by supervisory personnel or quality assurance specialists within the laboratory. The laboratory analyst is responsible for ensuring that the analytical data are correct and complete, the appropriate procedures have been followed, and the quality control results are within the acceptable limits. The EVS QA Coordinator is responsible for ensuring that all analyses performed by the laboratories are correct, properly documented, and complete and that they satisfy the project data quality objectives (DQOs) specified in this QAPP.

All discrepancies and requests for additional, corrected data will be discussed with the laboratories prior to issuing the formal data validation report. All contacts with the laboratories will be documented in a communication report. Review procedures used and findings made during data validation will be documented on worksheets. A validation report will be prepared for each matrix; that report will summarize quality control results, qualifiers, and possible data limitations. Only validated data with appropriate qualifiers will be released for general use.

Quality assurance review of the benthic and bioassay data will be performed by EVS in the context of the DQOs specified in this QAPP.

## 15.0 DATA REPORTING

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Data are not considered final until validated. All data, including laboratory and field quality control sample results, will be summarized in a quality assurance summary report. The quality assurance summary reports will focus on data that did not meet the DQOs specified in Table B-1. The quality assurance summary reports will be included as an appendix to the final ERA document. In addition, EVS will include a summary of the sampling event, including deviations from this QAPP and actions taken to address those deviations.

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## **APPENDIX C**

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### **Health and Safety Plan**

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**ATTACHMENT C-1**

Site Forms

**ATTACHMENT C-2**

Emergency Response Plan

## LIST OF ACRONYMS

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<b>CPR</b>	cardiopulmonary resuscitation
<b>ERA</b>	ecological risk assessment
<b>EVS</b>	EVS Consultants, Inc.
<b>HSP</b>	health and safety plan
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PAH</b>	polycyclic aromatic hydrocarbon
<b>PCB</b>	polychlorinated biphenyl
<b>PVC</b>	polyvinyl chloride
<b>TOC</b>	total organic carbon
<b>WDNR</b>	Wisconsin Department of Natural Resources



## 1.0 INTRODUCTION

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This site-specific health and safety plan (HSP) conforms to the EVS Consultants, Inc. (EVS) corporate health and safety program for conducting field activities at potentially hazardous sites and for handling potentially hazardous materials/waste products. This HSP covers elements as specified in OSHA 29 CFR 1910.120.

This HSP addresses all activities associated with collecting and handling sediment and biota samples as part of the Sheboygan River and Harbor Ecological Risk Assessment (ERA). Details of the field program are provided in a separate work plan (WP) (EVS, 1997). During field activities, this HSP will be implemented by the Field Studies Coordinator (FSC), Jim Starkes, in cooperation with the Project Health and Safety Manager (HSM), and the Project Manager.

All EVS personnel are required to comply with the elements of this HSP that apply to their respective tasks. The contents of this HSP reflect anticipation of the types of activities to be performed, knowledge of the physical characteristics of the study area, and consideration of chemical data from previous investigations. The HSP may be revised based on new information and/or changed conditions during field activities. Revisions will be documented in the project records.

Attachment C1 of this document contains the site health and safety forms. Attachment C2 contains the emergency response plan. It lists emergency telephone contacts, a map and directions to the nearest hospital, and emergency procedures.

## 2.0

# SITE HISTORY AND PROJECT SCOPE

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## 2.1 SITE HISTORY

The Sheboygan River and Harbor Superfund site extends approximately 14 miles through the communities of Sheboygan Falls, Kohler, and Sheboygan, Wisconsin. In 1977, the State of Wisconsin detected polychlorinated biphenyls (PCBs) during routine sampling of fish. Since that time, PCBs have been detected in fish, wildlife, surface water, and sediments within the river, flood plain soils, and the harbor. The highest concentrations of PCBs have been detected in sediments immediately downstream from a die-casting plant in Sheboygan Falls. Concentrations decline farther downstream from the plant. Several metals and polycyclic aromatic hydrocarbons (PAHs) have also been found at elevated concentrations in sediments. Tecumseh Products Company excavated contaminated soils from its property along the river and disposed of them off-site in 1978. Sediments contaminated with PCBs were also removed from the river between the Sheboygan Falls and River Bend Dams in 1989 and 1991. In 1978, the State of Wisconsin advised residents not to eat fish from the Sheboygan River and two tributaries, the Mullet and Onion Rivers, because of PCB contamination. In 1987, the state also issued an advisory not to eat wildlife from the area.

## 2.2 SCOPE AND DURATION OF WORK

In conjunction with the National Oceanic and Atmospheric Administration (NOAA), the U.S. Environmental Protection Agency (USEPA), and the Wisconsin Department of Natural Resources (WDNR), EVS will produce an ERA for the Sheboygan River and Harbor Site. Work will include the collection and handling of sediment samples and biota samples. Specific tasks to be performed are as follows:

- Collecting bottom sediments
- Collecting fish specimens
- Collecting benthic macroinvertebrate specimens
- Deploying and retrieving caged bivalves
- Handling, processing, and packaging samples

Grab samplers will be used to collect bottom sediments for chemical analysis, sediment bioassays, and benthic community analysis. Electrofishing will be used to stun fish for collection with a net. A 16-ft flat-bottomed johnboat will be used as a sampling platform.

Field investigations will begin on August 18 and are expected to end on August 22, 1997. In addition, deployed caged mussels will be retrieved on October 22 and 23.

### 3.0

## HEALTH AND SAFETY PERSONNEL

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Key health and safety personnel and their responsibilities are described below. These individuals are responsible for the implementation of this HSP.

**Project Manager — Kathy Godfredsen:** The Project Manager has overall responsibility for the successful outcome of the project. The Project Manager will ensure that adequate resources and budget are provided for the health and safety staff to carry out their responsibilities during field work. The Project Manager, in consultation with the HSM, makes final decisions concerning implementation of the HSP.

**Field Studies Coordinator — Jim Starkes:** The FSC will direct field sampling activities and coordinate the technical components of the field program with the health and safety components. The FSC has the responsibility to ensure that work is performed according to the field safety plan.

For this project, the FSC will designate one individual to serve as the Health and Safety Officer (HSO). The HSO is responsible for implementing this HSP and initiating changes to the HSP, which must be approved by the HSM. The HSO will ensure that proper protective equipment is available and used correctly, that decontamination activities are carried out properly, and that field crew are knowledgeable regarding local emergency contacts and facilities. The HSO will conduct and document daily safety briefings and any other site-specific training that may be necessary. The HSO has stop-work authority, to be used if there is an imminent safety hazard or potentially dangerous situation. The HSO shall be present during field sampling operations.

**Project Health and Safety Manager — Dennis Hanzlick:** The HSM has overall responsibility for the preparation, approval, and revision of this HSP. The HSM will not necessarily be present during field work but will be readily available, if required, for consultation regarding health and safety issues.

**Field Crew:** All field crew must be familiar with and comply with the information in this HSP. They also have the responsibility to report any potentially unsafe or hazardous conditions to the FSC immediately.

## 4.0

# HAZARD EVALUATION AND CONTROL MEASURES

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This section covers potential chemical and physical hazards that may be associated with the proposed field activities and control measures for addressing these hazards.

Confined-space entry will not be necessary for this project. Therefore, hazards associated with this activity are not discussed in this HSP.

### 4.1 CHEMICAL HAZARDS

The contaminants of concern (COCs), for investigative purposes, are PCBs, PAHs, and metals. In addition, there is the potential for exposure to hydrogen sulfide gas from the sediments.

#### 4.1.1 Exposure Routes

Potential routes of chemical exposure include inhalation, dermal contact, and ingestion. Exposure will be minimized by using safe work practices and by wearing the appropriate personal protective equipment (PPE). Further discussion of PPE requirements is presented in Section 6.0.

##### 4.1.1.1 Inhalation

Because wet sediments and tissues do not generate dust particles, and surface water spray is expected to be minimal, inhalation of particulates is not expected to be an important route of exposure. None of the COCs are volatile. Potential exposure via inhalation of hydrogen sulfide gas emitted from sediments is possible. However, all sediment-handling activities will occur outdoors or in a ventilated space, reducing the risk of inhalation exposure.

##### 4.1.1.2 Skin Contact

Dermal exposure to potentially contaminated sediments, tissues, or equipment will be controlled through the use of PPE and by adherence to detailed sampling and decontamination procedures.

##### 4.1.1.3 Ingestion

Ingestion of contaminants is not considered a major route of exposure for this project. Accidental ingestion of contaminated sediment or tissue is possible, but proper handling

should prevent splattering, which will ensure that sediment and tissue droplets do not become airborne. Proper use of PPE and decontamination procedures will also ensure that COCs are not transferred from hand to mouth.

## **4.1.2 Description of Chemical Hazard**

### **4.1.2.1 Polychlorinated Biphenyls**

Prolonged skin contact with PCBs may cause acne-like symptoms known as chloracne. Irritation to eyes, nose, and throat may also occur. Acute and chronic exposure can damage the liver and cause symptoms of edema, jaundice, anorexia, nausea, abdominal pains, and fatigue. PCBs are a suspected human carcinogen. Skin absorption may substantially contribute to the uptake of PCBs. Field procedures require the immediate washing of sediments from exposed skin.

### **4.1.2.2 Polycyclic Aromatic Hydrocarbons**

Because PAHs are relatively nonvolatile, no respiratory hazard is expected. However, skin and eye contact with sediments containing PAHs can cause irritation and burning.

### **4.1.2.3 Metals**

Exposure to metals may occur via ingestion or skin contact, although neither is likely. Metal fumes or metal-contaminated dust will not be encountered during field and sample-handling activities. Large amounts of sediment would need to be ingested for any detrimental effects to occur. Momentary skin contact allows little, if any, opportunity for passage of any of the metals into the body. Field procedures require the immediate washing of sediments from exposed skin.

### **4.1.2.4 Hydrogen Sulfide**

As a gas emitted from the sediments, hydrogen sulfide is a naturally produced substance that is potentially toxic via inhalation, ingestion, and skin and eye contact. Inhalation can result in respiratory irritation, rhinitis, and edema of the lungs. Subacute exposures to hydrogen sulfide may result in headache, dizziness, staggering gait, and agitation. Acute exposure at higher concentrations may result in immediate coma and possibly death as a consequence of respiratory failure.

## **4.2 PHYSICAL HAZARDS**

### **4.2.1 Slips, Trips, and Falls**

As with all field work sites, caution should be exercised to prevent slips on slick surfaces. In particular, wading or sampling from a boat or other floating platform requires careful attention to minimize the risk of falling down or falling overboard. The same care should be used in rainy conditions. Slips can be minimized by wearing boots with good treads that are made of materials that do not become overly slippery when wet.

Risk of tripping resulting in a fall is always a hazard in a cluttered work area. Personnel will keep work areas as free as possible from items that interfere with walking.

Falls may be avoided by working as far away from exposed edges as possible, erecting railings, and using fall protection when working on elevated platforms. For this project, no work that would present a fall hazard is anticipated.

### **4.2.2 Sampling Equipment**

An Ekman grab sampler will be used to collect bottom sediments for use in benthic community analysis. The Ekman sampler relies upon strong metal springs to close its jaws, enclosing material inside the sampler. It is necessary to cock the sampler before using, which means that the springs must be tensioned and a latching mechanism engaged. The jaws are capable of amputating fingers or toes or of mangling hands or feet. During the cocking and deployment operation, personnel will ensure that no body parts are inside the jaws in order to prevent injury should the mechanism accidentally snap shut. Extreme caution is required because the sampler will probably be wet and, therefore, potentially slippery.

A Ponar grab will be used to collect sediments that will be submitted for chemical analysis and sediment bioassay tests. The grab is heavy, and care must be taken during deployment and recovery operations and when lowering it to the deck cradle.

### **4.2.2 Falling Overboard**

Some sampling will be done from a boat. As with any work from a floating platform, there is a chance of falling overboard. If it is necessary to stand in the boat, personnel will stand as close to the centerline as possible. When possible, the deployment or recovery of equipment will take place over the stern of the boat to minimize the possibility of capsizing. Personal flotation devices (PFDs) will be worn while working from the boat.

### **4.2.3 Manual Lifting**

Equipment and samples must be lifted and carried. Back strain can result if lifting is done improperly. During any manual handling tasks, personnel will lift with the load supported by their legs and not their backs. For heavy loads, an adequate number of people will be used, or if possible, a mechanical lifting/handling device will be used.

### **4.2.4 Heat Stress**

The period for sampling operations includes summer and fall, and high air temperatures are possible during the summer sampling period. Heat stress may occur if impermeable PPE is worn while field personnel are performing strenuous work at high temperatures or with inadequate water. Heat stress may be identified by the following symptoms: dizziness, profuse sweating, skin color change, vision problems, confusion, nausea, fatigue, fainting, and clammy skin. All field team members will monitor their own condition and that of their co-workers to detect signs of heat stress. Personnel exhibiting signs of heat stress will be given water and allowed to rest.

### **4.2.5 Hypothermia**

Cold temperatures may occur during the fall retrieval period. Hypothermia can result from abnormal lowering of the core body temperature. It is caused by exposure to a cold environment, and wind chill as well as wetness or water immersion can play a significant role. Typical signs of hypothermia include fatigue, weakness, lack of coordination, apathy, and drowsiness. Confusion is a key symptom of hypothermia. Shivering and pallor are usually absent, and the face may appear puffy and pink.

Body temperatures below 90°F require immediate treatment to restore the temperature to normal. Current medical practice recommends slow warming of the individual followed by professional medical care. This can be accomplished by moving the person to a sheltered area and wrapping them in a blanket. If possible, the person should be placed in a warm room. In emergency situations where the body temperature falls below 90°F and shelter is not available, a sleeping bag, blankets, and body heat from another individual can be used to help raise body temperature.

### **4.2.6 Weather**

In general, field team members will be equipped for the normal range of weather conditions. The FSC will be aware of current weather conditions in case those conditions might pose a hazard to the field crew. Conditions that might force work stoppage include electrical storms, high winds, or high waves resulting from winds.



#### **4.2.7 Stinging or Biting Insects**

Biting and stinging insects such as mosquitoes and wasps may be present on the site. First-aid kits will include insect repellent.

#### **4.2.8 Electric Shock**

Collection of fish samples using electrofishing equipment raises the possibility of injury from an electrical shock. All crew members involved in electroshock sampling will be thoroughly trained on sampling operations and hazards. All sampling staff will wear electrician's gloves and rubber boots insulated against electrical shock to minimize shock hazards. The electrofishing gear will be equipped with a "Deadman's Switch" for the gear operator and an automatic cut-off switch for the boat operator. Handles of dip nets used to collect shocked fish will be made of a non-conducting material.

## 5.0

# SAFE WORK PRACTICES

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Following common-sense rules will minimize the risk of exposure or accident at a work site. These general safety rules will be followed during field activities:

- Do not climb over or under obstacles of questionable stability
- Use the established sampling and decontamination procedures
- Always use the buddy system
- Do not eat, drink, smoke, or perform other hand-to-mouth transfers during deployment or retrieval of sampling devices or bivalve cages.
- Plan activities ahead of time
- Get immediate first aid for all cuts, scratches, abrasions, or other minor injuries
- Report all accidents (no matter how minor) to the FSC
- Be alert to your own and other workers' physical condition
- Don't do anything dangerous or unwise even if ordered by a supervisor

## 6.0 PERSONAL PROTECTIVE EQUIPMENT AND SAFETY EQUIPMENT

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Appropriate PPE will be worn as protection against potential site hazards. In addition, a PFD may be required at the discretion of the FSC. Prior to donning PPE, the workers will be required to inspect their equipment for cracks, holes, rips, abrasions, or any defects that might render the equipment ineffective. Any abnormalities will be reported to the FSC.

Field work will be conducted in Level D or modified Level D PPE, as discussed in Sections 6.1 and 6.2. Based on the known contaminants, the types of field activities, and low concentrations of contaminants found at the planned work locations, Level D or modified Level D PPE will provide an adequate margin of safety against exposure to the contaminants. Situations requiring PPE beyond modified Level D are not anticipated for this project.

### 6.1 LEVEL D PERSONAL PROTECTIVE EQUIPMENT

Workers performing general activities in which skin contact with potentially contaminated materials is unlikely and in which inhalation risks are not expected will wear Level D PPE. Level D PPE includes the following:

- Cotton overalls
- Polyvinyl chloride (PVC) or other chemical-resistant steel-toed boots
- Leather, cotton, chemical-resistant gloves, or electricians gloves, as the type of work requires
- Safety glasses
- Hard hat (if overhead hazard exists)

### 6.2 MODIFIED LEVEL D PERSONAL PROTECTIVE EQUIPMENT

Workers performing activities where skin contact with contaminated materials is possible will wear Level D PPE modified to include chemical-resistant gloves and rain gear. Modified Level D PPE includes the following:

- Rain gear
- PVC or other chemical-resistant steel-toed boots
- Nitrile, electricians gloves, or other chemical-resistant gloves
- Safety glasses (or face shield, if significant splash hazard exists)
- Hard hat (if overhead hazard exists)

### **6.3 SAFETY EQUIPMENT**

In addition to the PPE that will be worn by site personnel, basic emergency and first aid equipment will also be provided. Equipment will include:

- A copy of this HSP
- PFD
- First-aid kit adequate for the number of personnel

This equipment must be at the location(s) where field activities are being performed, both on land and in the boat, as appropriate. Equipment will be checked daily to ensure its readiness for use.

## 7.0

### **MONITORING PROCEDURES FOR SITE ACTIVITIES**

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For this project, air, dust, and noise monitoring will not be necessary. No volatile organic compounds (VOCs) have been identified among the expected contaminants, the sampled media will be wet (no dust), and none of the equipment to be used emits high-amplitude (>85 dBA) sound. The monitoring program will consist of all workers monitoring themselves and their co-workers for signs that might indicate physical stress or illness, tears, rips, or other failure of PPE equipment, and inadvertent contamination of exposed skin.

#### **7.1 CREW SELF-MONITORING**

All personnel will be instructed to look for and inform each other of any deleterious changes in their own or each other's physical or mental condition during the performance of all field activities. Examples of such changes include:

- Headaches
- Dizziness
- Nausea
- Symptoms of heat stress
- Shivering
- Blue lips or fingernails
- Blurred vision
- Cramps
- Irritation of eyes, skin, or respiratory system
- Changes in complexion or skin color
- Changes in apparent motor coordination
- Changes in personality or demeanor
- Excessive salivation
- Changes in speech ability or speech pattern

If any of these conditions develop, work shall be halted immediately and the affected person(s) evaluated. If further assistance is needed, personnel at the local hospital should be notified. An ambulance should be summoned if the condition is thought to be serious. If the condition is the direct result of sample collection activities, those procedures will be modified to decrease the risk to field personnel, and PPE requirements will be modified to increase protection.

## 8.0 DECONTAMINATION

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Decontamination is necessary to limit the migration of contaminants from the work zone to the surrounding environment and to minimize the risk of exposure of personnel to contaminated materials that might adhere to PPE. The following supplies will be available to perform decontamination activities:

- Wash and rinse buckets
- Long-handled scrub brushes
- Clean water sprayers
- Paper towels and pre-moistened towelettes
- Plastic garbage bags
- Liquinox<sup>®</sup> or similar decontamination solution

### 8.1 MINIMIZATION OF CONTAMINATION

The first step in controlling contamination is to prevent or minimize exposure to existing contaminated materials and the spread of those materials. The following measures will be observed during field activities:

#### *Personnel*

- Do not walk through areas of obvious or known contamination
- Do not handle, touch, or smell contaminated materials directly
- Make sure PPE has no cuts or tears prior to use
- Fasten all closures on outer clothing, covering with tape if necessary
- Protect and cover any skin injuries
- Do not eat, drink, chew gum, or smoke in the exclusion or contamination reduction zones

#### *Sampling Equipment and Boat*

- Use care to minimize getting sampled media on the outside of sample containers

- If necessary, bag sample containers before filling with sampled media
- Keep contaminated equipment and tools separate from clean equipment and tools
- On the boat, fill sample containers over a plastic tub to contain spillage
- Clean up spilled material immediately to avoid tracking around the boat
- Clean boots before entering the cabin area of the boat (if the boat is so configured)

## 8.2 PERSONNEL DECONTAMINATION

The HSO will ensure that all site personnel are familiar with personnel decontamination procedures and that those procedures are followed. Personnel will follow mini-decontamination procedures before taking rest breaks or drinking liquids. They will follow full-decontamination procedures before eating lunch or before leaving the site. A description of these procedures follows.

### *Mini-Decontamination Procedure:*

1. Rinse the rain gear.
2. If rain gear is highly soiled or damaged, perform full decontamination as outlined below.
3. Wash and rinse gloves and boots in portable buckets.
4. Remove gloves and discard if damaged.
5. Wash hands and face.
6. Don necessary PPE before returning to work.

### *Full Decontamination Procedure:*

1. Wash and rinse gloves, rain gear, and boots.
2. Remove gloves and rain gear and discard if they are unsuitable for additional use.

3. Remove work boots and put on street shoes. Place work boots in suitable storage area.
4. Wash hands and face.
5. Shower as soon as possible after work shift.



## 9.0 TRAINING REQUIREMENTS

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Individuals performing work at sites where potentially contaminated materials and/or dangerous conditions may be encountered must meet specific training requirements. The following subsections describe the training requirements for work at this site.

### 9.1 HAZARDOUS WASTE OPERATIONS AND EMERGENCY RESPONSE TRAINING

Prior to performing work on site, all personnel will have received Hazardous Waste Operations and Emergency Response training as specified by the Occupational Safety and Health Administration (OSHA) (29 CFR1910.120).

### 9.2 PROJECT-SPECIFIC TRAINING

All field personnel must read this HSP and be familiar with its contents. They will acknowledge their familiarity by signing the Field Team HSP Review form contained in Attachment C1 of the HSP. The form will be retained in the project health and safety file.

The HSO will provide and document project-specific training during the kickoff meeting and whenever new field personnel arrive. Field personnel will not be allowed to begin work until project-specific training is completed and documented by the HSO. Training will address the HSP and all health and safety issues and procedures pertinent to field and sample processing operations. Training will include, but not be limited to, the following topics:

- Activities with the potential for chemical exposure
- Activities that pose physical hazards and actions to control the hazards
- Access control and procedures
- Use and limitations of PPE
- Decontamination procedures
- Emergency procedures

### **9.3 FIRST AID AND CARDIOPULMONARY RESUSCITATION**

At a minimum, one member of each field team must have first-aid/cardiopulmonary resuscitation (CPR) training. Individuals who possess first aid/CPR training will be identified by the HSO, and documentation will be kept in the project health and safety files.

# **ATTACHMENT C1**

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Site Forms

# FIELD TEAM HEALTH AND SAFETY PLAN REVIEW

## EVS Consultants

I have read a copy of the Health and Safety Plan, which covers field activities that will be conducted to investigate potentially contaminated areas in the Sheboygan River and Harbor. I understand and will adhere to the health and safety requirements of the project, which are detailed in this Health and Safety Plan.

\_\_\_\_\_  
Signature

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Date

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Date



# MEDICAL DATA FORM

## EVS Consultants

Name: \_\_\_\_\_

Gender: M F

Height: \_\_\_\_\_

Weight: \_\_\_\_\_

Home address: \_\_\_\_\_

Employer: \_\_\_\_\_

List known allergies to medicine (or none): \_\_\_\_\_

In case of emergency, notify: \_\_\_\_\_

Telephone number: \_\_\_\_\_

Name of personal doctor: \_\_\_\_\_

Telephone number: \_\_\_\_\_

Address of personal doctor (city, state): \_\_\_\_\_

Signature: \_\_\_\_\_



## **ATTACHMENT C2**

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### Emergency Response Plan

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## LIST OF FIGURES

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**Figure C2-1** Map of the route from study site to St. Nicholas Hospital C2-7

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## LIST OF TABLES

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**Table C2-1** Emergency response contacts C2-3



# 1.0 INTRODUCTION

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As a result of physical hazards and the types of operations that will be conducted during this project, the potential exists for an emergency situation (i.e., personal injury or exposure to hazardous substances) to occur. This emergency response plan will be available to guide actions in emergency situations.

Onshore organizations will be relied upon to provide response in emergency situations. The local fire department and ambulance service can provide timely response. Field personnel will be responsible for identifying an emergency situation, providing first aid if necessary, notifying the appropriate personnel or agency, and evacuating any hazardous area. Personnel will attempt to control only very minor hazards that could present an emergency situation and will otherwise rely on outside emergency response resources.

The following sections describe preparations to be made in anticipation of potential emergencies, identify individual(s) who should be notified in case of emergency, provide a list of emergency telephone numbers, offer guidance for particular types of emergencies, and provide directions and a map for getting from any sampling location to a hospital as quickly as possible.

## 1.1 PRE-EMERGENCY PREPARATION

Before the start of field activities, the Field Studies Coordinator (FSC) and Health and Safety Officer (HSO) will ensure that preparation has been made in anticipation of potential emergencies. Preparatory actions include the following:

- Meeting with field personnel concerning emergency procedures in the event that a person is injured. Appropriate actions for specific work scenarios will be reviewed. These scenarios will be discussed and finalized before the sampling event commences.
- Holding a training session (to be given by senior staff) on operating field equipment in order to apprise field personnel of operating procedures and specific risks associated with that equipment.
- Ensuring that field personnel are aware of the existence of this emergency response plan and its location as Attachment C2 of the Health and Safety Plan (HSP) and ensuring that a copy of the HSP accompanies the field team(s).

## **1.2 PROJECT EMERGENCY COORDINATOR**

The FSC will serve as the Project Emergency Coordinator in the event of an emergency. For this project, the FSC will be Jim Starkes (EVS). The FSC will designate a replacement Project Emergency Coordinator, if necessary. The designation will be noted in the logbook.

The Project Emergency Coordinator will be notified immediately when an emergency is recognized. The Project Emergency Coordinator will be responsible for evaluating the emergency situation, notifying the appropriate emergency response units, coordinating access with those units, and directing interim actions onsite before the arrival of emergency response units. The Project Emergency Coordinator will notify the HSM and the Project Manager as soon as possible after initiating an emergency response action. The Project Manager will have responsibility for notifying the client.

## **1.3 EMERGENCY RESPONSE CONTACTS**

All personnel must know whom to notify in the event of an emergency situation, even though the FSC has primary responsibility for notification. Table C2-1 lists the names and phone numbers for emergency response services and individuals.

## **1.4 RECOGNITION OF EMERGENCY SITUATIONS**

Emergency situations will generally be recognizable by observation. An injury or illness will be considered an emergency if it requires treatment by a medical professional and cannot be treated with simple first-aid techniques.

## **1.5 DECONTAMINATION**

In the case of evacuation, decontamination procedures will be performed only if doing so does not further jeopardize the welfare of site workers. If an injured individual is also heavily contaminated and must be transported by emergency vehicle, the emergency response team will be informed of the type of contamination. To the extent possible, contaminated PPE will be removed but only if doing so does not exacerbate the injury. Plastic sheeting will be used to reduce the potential for spreading contamination to the inside of the emergency vehicle.

**Table C2-1. Emergency response contacts**

<b>Contact</b>	<b>Telephone Number</b>
<b>Emergency Responders</b>	
Ambulance	911
Police	911
Fire	911
St. Nicholas Hospital 1601 Taylor Drive Sheboygan, WI 53081	(414) 459-8300
National Response Center	(800) 424-8802
Poison Control Center	(800) 662-9886
<b>Emergency Contacts</b>	
Kathy Godtfredsen - Project Manager	(206) 217-9337
Dennis Hanzlick - Health and Safety Manager	(206) 217-9337
Bob Dexter - Principal	(206) 217-9337
Jim Starkes - Field Study Coordinator	(206) 217-9337
Gary Rosenthal and Sandra Salazar - Health and Safety Officers	(206) 217-9337

## **1.6 PERSONAL INJURY**

In the event of serious personal injury, including unconsciousness, possibility of broken bones, severe bleeding or blood loss, burns, shock, or trauma, the first responder will immediately do the following:

- Administer first aid, if qualified.
- If not qualified, seek out an individual who is qualified to administer first aid, if time and conditions permit.
- Notify the Project Emergency Coordinator of the incident, the name of the individual, the location, and the nature of the injury.

The Project Emergency Coordinator will immediately do the following:

- Assist the injured individual.
- Designate someone to accompany the injured individual to the hospital.
- If a life-threatening emergency (i.e., injury where death is imminent without immediate treatment) occurs, call the ambulance and arrange to meet it at the nearest accessible area.
- Notify the HSM and the Project Manager.

If the Project Emergency Coordinator determines that emergency response is not necessary, he or she may direct someone to decontaminate and transport the individual by vehicle to the nearest hospital. Directions and a map showing the route to the hospital are in Section 1.10 of this Attachment.

If a worker leaves to seek medical attention, another worker should accompany them to the hospital. When in doubt about the severity of an injury or exposure, always seek medical attention as a conservative approach and notify the Project Emergency Coordinator.

The Project Emergency Coordinator will have responsibility for completing all accident/incident field reports and other required follow-up forms.

## **1.7 OVERT PERSONAL EXPOSURE OR INJURY**

If an overt exposure to toxic materials occurs, the first responder to the victim will initiate actions to address the situation. The following actions should be taken, depending on the type of exposure:

- **Skin Contact:**
  - Wash/rinse the affected area thoroughly with copious amounts of soap and water
  - After initial response actions have been taken, seek appropriate medical attention
- **Inhalation:**
  - Move victim to fresh air
  - Seek appropriate medical attention
- **Ingestion:**
  - Seek appropriate medical attention
- **Puncture Wound or Laceration:**
  - Seek appropriate medical attention

## **1.8 SPILLS AND SPILL CONTAINMENT**

Sources of bulk chemicals or other materials subject to spillage are not expected to be used during this project. Accordingly, a spill containment procedure is not required for this project.

## 1.9 EMERGENCY ROUTE TO THE HOSPITAL

The hospital that will be used to provide medical care is as follows:

St. Nicholas Hospital  
1601 Taylor Drive  
Sheboygan, WI 53081-2496  
(414)-459-8300

Figure C2-1 is a map of the route from the site to St. Nicholas Hospital. Directions from the vicinity of the Sheboygan River to the hospital are as follows:

### From the upper Sheboygan River (west of Taylor Drive, Sheboygan, WI)

- Get on Lower Falls Road (Highway PP) eastbound (Lower Falls Road follows the river).
- Turn left on Taylor Drive; proceed north approximately 1.5 miles.
- Hospital is located on the right-hand side at 1601 Taylor Drive.

### From the lower Sheboygan River (east of Taylor Drive, Sheboygan, WI)

- Get on Highway 23 westbound (Highway 23 runs parallel to the river).
- Turn right on Taylor Drive; proceed north two blocks.
- Hospital is located on the right-hand side at 1601 Taylor Drive.

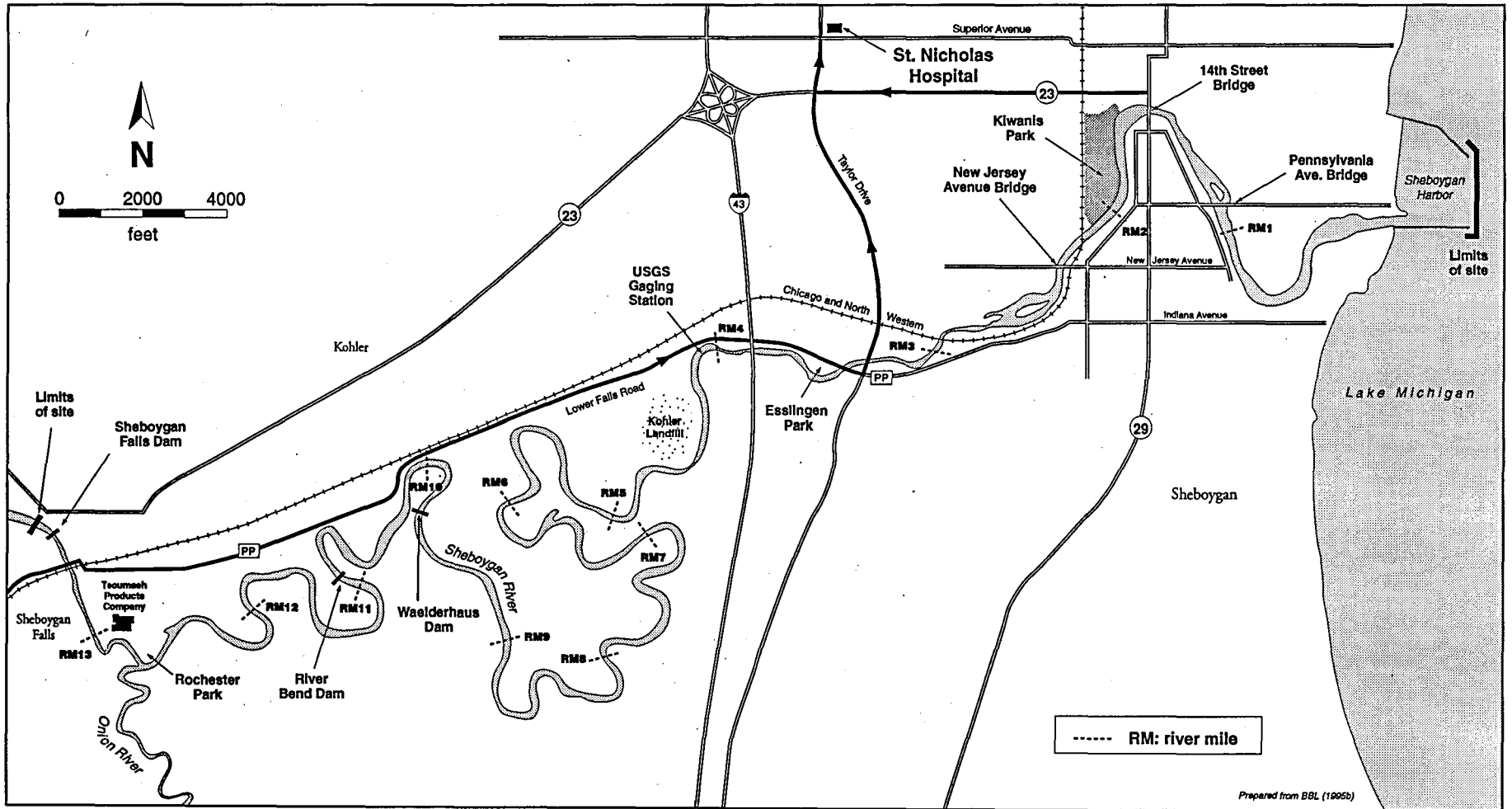


Figure C2-1. Route to St. Nicholas Hospital