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LOWER WILLAMETTE GROUP

ROUND 1 FIELD SAMPLING REPORT
PORTLAND HARBOR RI/FS

March 14, 2003

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Lower Willamette Group

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LIST OF ACRONYMS

CORS	Continuously Operating Reference Station
DGPS	Differential Global Positioning System
EES	Ellis Environmental Services
EPA	Environmental Protection Agency
ERA	Ecological Risk Assessment
FES	Fishman Environmental Services
FSP	Field Sampling Plan
FL	fillet with skin and belly flap
FS	skinless fillet
HHRA	human health risk assessment
ISA	initial study area
GIS	Geographical Information System
GPS	Global Positioning System
MSS	Marine Sampling Systems
MTS	Marine Taxonomic Services, Ltd.
NSTS	National Sample Tracking System
LWG	Lower Willamette Group
RI/FS	Remedial Investigation/Feasibility Studies
PSEP	Puget Sound Estuary Program
QA	quality assurance
QC	quality control
SEA	Striplin Environmental Associates. Inc.
SOP	standard operating procedure
WE	Windward Environmental, LLC

EXECUTIVE SUMMARY

This Round 1 Field Sampling Report (FSP) summarizes the Portland Harbor RI/FS Round 1/1A field sampling and reconnaissance activities that were conducted from June 24 through December 20, 2002.

Except where noted in the FSP or as modified by subsequent correspondence between the Lower Willamette Group (LWG) and the U.S. Environmental Protection Agency (EPA) (e.g., EPA letter dated September 20, 2002), all sample collection activities followed the procedures described in the Round 1A and Round 1 FSPs (SEA et al. 2002a,b) and the Fish Tissue Sampling Standard Operating Procedure (SOP) (SEA et al. 2002c). Fish tissue sample processing, including compositing, homogenization, and shipping, followed the procedures detailed in the Fish Tissue Compositing and Homogenization SOPs (SEA 2002a, SEA et al. 2002d). All laboratory analyses follow the EPA-approved project Quality Assurance Project Plan (QAPP) (SEA 2002b).

SUMMARY OF ROUND 1A FIELD ACTIVITIES

The following tasks were carried out according to the Round 1A FSP, which was approved by EPA on May 5, 2002:

- **Juvenile Salmonid Mark/Recapture Pilot Study**. A pilot study to gather information on mark/recapture methods was conducted July 8-9, 2002. When it was evident that water temperatures in the ISA had increased to levels that were stressful to juvenile salmonids when held in buckets prior to being marked, the study was terminated. There were no agency representatives present as observers during the brief study.
- **Collection of Fish Tissue for Chemical Analysis**. The fish tissue collection program was approved as part of Round 1A. Juvenile salmonids were collected for tissue analysis on June 24-27, 2002. The collection of other fish and crayfish occurred between July 22 and November 10, 2002. Details, including agency observers, are provided below.
- **Hard-bottom Benthos Sampling Using Multiplates**. Multiplates were deployed July 15-16, 2002 and were retrieved August 27-28, 2002. No regulatory agency representatives were present as observers.
- **Aquatic Plant and Amphibian/Reptile Reconnaissance**. The survey was conducted June 26-28, 2002. David Terpening and Joseph Goulet from EPA, Helen Hillman from NOAA, and Jeremy Buck from USFWS, observed the

nighttime frog call procedures at one sampling location on the evening of June 26.

- **Adult Lamprey Harvest Reconnaissance Survey.** LWG consultants observed lamprey harvests by the Confederated Tribes of Siletz on June 26, 2002, and by the Yakama Nation on July 22, 2002. Because these harvest dates were not fixed in advance and required attendance on very short notice, neither DEQ nor EPA technical staff were able to observe.
- **Nearshore Deposition/Erosion Monitoring Using Sediment Stakes.** Stakes were installed in July and measured once a month from July 17 to December 12, 2002. No regulatory agency representatives were present as observers.
- **Summer 2002 Bathymetry Survey.** The summer 2002 bathymetric survey was conducted in two phases. RM 2 to 11 were surveyed between July 3 and 18, 2002. Following a review of these data, river mile (RM) 0 to 2.5 and 10.5 to 15.6 were surveyed between September 16 and 20, 2002. This bank-to-bank survey was conducted during the low water season to obtain summertime riverbed elevations for comparison with the riverbed elevation data collected during December 2001 and January 2002. No regulatory agencies were present during the surveys.

In addition, the following two activities were performed:

- **Seep Reconnaissance Survey**. As requested by EPA in a letter dated September 20, 2002, the LWG conducted a seep reconnaissance survey on October 7 and 8, 2002. Eric Blischke from the Oregon Department of Environmental Quality (DEQ) and Renee Fuentes from the EPA accompanied representatives of the LWG on a subsequent tour of the identified seep areas on October 24, 2002.
- **Juvenile Lamprey and Benthic Infaunal Biomass Reconnaissance Surveys**. During the fish tissue sampling program, the LWG became concerned that juvenile lamprey were not being collected using proposed techniques. The LWG conducted a reconnaissance grab sampling survey on September 16 and 17, 2002 for juvenile lamprey at 21 of the 22 co-located sediment and tissue sampling stations originally identified in the June 2002 LWG Field Sampling Plan. Concurrently, the LWG

collected benthic samples to assess the potential success of the benthic infauna tissue collection program. On October 8 and 9, 2002, a field team consisting of two lamprey biologists from the Umatilla tribe (Aaron Jackson and Brandon Trelor), Helen Hillman of NOAA, and LWG consultants visited 11 lower Willamette sites for a follow-up reconnaissance using specialized lamprey electroshocking equipment.

Details of the sampling associated with most of the tasks listed above have been described in individual task reports that are being provided to EPA under separate cover. The status of these reports is:

- Aquatic Plant and Amphibian/Reptile Reconnaissance Survey (Windward 2003a)
- Benthic Macroinvertebrate Community Sampling (Windward 2003b)
- Adult Lamprey Reconnaissance Survey Technical Memorandum (Kennedy/Jenks 2003)
- Sediment Stake Erosion/Accretion Analysis (Anchor Environmental in prep.)
- Lower Willamette River Multibeam Bathymetric Survey, Summer 2002 (DEA 2003)
- Results of Seep Reconnaissance Survey RM 2-10.5 Lower Willamette River (GSI 2002)
- Technical Memorandum: Lamprey Ammocoete and Benthic Infaunal Biomass Reconnaissance Surveys of the Lower Willamette River (SEA and Windward 2003).

Fish tissue data will be reported in the Round 1 Site Characterization Report.

SUMMARY OF ROUND 1 FIELD ACTIVITIES

Round 1 field activities included the following tasks, which were approved by EPA in a letter dated September 20, 2002:

- Collection of sediments at sculpin, crayfish, and benthic infauna stations
- Collection of composited beach sediments
- Collection of benthic infauna
- Collection of clams for tissue analysis.

Each of these activities is described in more detail in the following section. Results of these tasks will be provided in the Round 1 Site Characterization Report.

SEDIMENT SAMPLING

To support the human health risk assessment (HHRA), composite surface beach sediment samples were collected at 20 beaches in the Initial Study Area (ISA) as described in the Round 1 FSP and EPA's letter of September 20, 2002. Beach sediment sampling occurred from October 9 through 14. At each beach, samples were generated by combining randomly selected, individual 0- to 15-cm surface samples into a single composite. All sediments were collected using stainless-steel hand corers. Mike Poulsen (DEQ) participated in the beach sediment collection and modified the definition (start or end point) of some target beaches during the field sampling.

Surface sediments (0-15 cm) collected for chemical analyses to support the ecological risk assessment (ERA) were collected at two types of stations. First, as described in the FSP, co-located sediments were collected at all nearshore sculpin and/or crayfish tissue sampling stations (12 of these stations also included infauna sampling stations). Second, surface sediments for chemical analysis were also collected at 10 additional benthic infauna stations to provide additional information on the distribution of benthic infauna in the ISA. These stations were situated in both nearshore areas and in the navigation channel to supplement the distribution of the 27 sculpin/crayfish co-located stations. The co-located surface sediment samples were collected from October 16 through 25, with an additional sampling day on November 12, 2002.

All surface sediments were collected using either a 0.1-m^2 van Veen grab sampler provided by SEA or a 0.3-m^2 hydraulic power grab sampler provided by Marine Sampling Systems. Co-located surface sediment sample collection procedures were observed by Dana Davoli (EPA), Helen Hillman (NOAA), and Jennifer Peterson (DEQ).

BENTHIC INFAUNA/CLAM SAMPLING

Soft-bottom benthic samples were collected from 22 stations in the ISA from October 22-25, 2002. Benthic infauna were collected at 12 of the sculpin/crayfish co-located sediment stations and at the 10 additional stations in both nearshore areas and in the navigation channel. Infauna were collected with a 0.1-m^2 van Veen grab sampler and sieved through a 0.5-mm sieve box. For the ecological risk assessment, a single replicate was collected at each location to provide a qualitative indication of the benthic infaunal assemblages throughout the harbor.

During the juvenile lamprey/benthic infauna reconnaissance survey conducted in September 2002 (reported under separate cover), it was determined that the non-native bivalve species *Corbicula fluminea* was the largest and most widespread benthic invertebrate in the ISA. In some locations, *Corbicula* appeared to be abundant enough to allow for the collection of sufficient biomass for tissue chemical analyses. In October and November, clam collection was attempted by repeated casts of a 0.1 m^2 van Veen grab sampler at five target locations. Also, at one location, an unsuccessful attempt was made to rake clams from a shallow subtidal beach. Clam collection was attempted over multiple sampling days at each location. After considerable total effort (over 500 van Veen casts), two locations near the center of the ISA yielded more than 150 grams of tissue, which is the minimum biomass required to conduct tissue analyses for a full suite of target analytes. Fifty-three grams were collected at a third station, while the remaining two stations yielded only nominal amounts. Clam sampling occurred from October 29 through November 5, with an additional day on November 12.

FISH AND CRAYFISH SAMPLING

Before fish tissue sampling began, the LWG established a fish sample processing field laboratory and field equipment storage area, located in former laboratory space at the decommissioned ATOFINA plant in Portland. This field laboratory was outfitted with a water de-ionizing unit, venting hood, two sinks, and all laboratory safety equipment listed in the SOP. David Terpening (EPA) visited and approved the use of the field laboratory space. In addition, he observed a "dry run" of the fish processing procedures and approved the methodology being used. EPA project managers Wallace Reid, Chip Humphrey, and Tara Martich conducted a final visit to the laboratory, where the fish processing team from Fishman Environmental Services (FES) clarified any additional questions about fish processing procedures.

For the ERA and the HHRA, 11 fish species and one crayfish species were targeted for tissue analyses. The target species for the ERA were northern pikeminnow, smallmouth bass, sculpin, subyearling chinook salmon, peamouth, largescale sucker, Pacific lamprey ammocoetes, and crayfish. For the HHRA, the target species were carp, black crappie, bullhead, smallmouth bass, and crayfish. In addition, walleye and largescale sucker were collected as alternative species for bullhead and carp, respectively. These alternate species were not used for tissue analyses because adequate numbers of bullhead and carp were collected.

During the Round 1A collection of subyearling chinook salmon from June 24 through June 27, 2002, beach seining and dip netting were the only fishing techniques used. The beach seining procedure was observed by David Terpening and Joseph Goulet from EPA, Helen Hillman from NOAA, and Jeremy Buck from USFWS. The intended mark and recapture pilot program for subyearling

chinook salmon was halted after signs of heat stress were observed in fish held in buckets prior to marking.

During the Round 1 collection of all remaining species from July 22 through November 10, 2002, six fishing techniques were used. These included beach seining, boat electrofishing, backpack electrofishing, trot line, angling, and crayfish traps. At the beginning of the Round 1 field program, fishing techniques, sample handling, and fish processing were observed in the field by David Terpenning of EPA and Eric Blischke from DEQ. Subsequent visits were made by Joseph Goulet (EPA) and Helen Hillman (NOAA), who, along with LWG consultant field managers and field crew, helped clarify issues such as station definitions and appropriate fishing methods.

The LWG field teams collected fish in the ISA, both day and night, over 79 days. A total of 1,870 fish were collected, including 863 sculpin, 419 crayfish, 128 largescale sucker, 90 smallmouth bass, 78 carp, 92 subyearling chinook salmon, 64 brown bullhead, 35 northern pikeminnow, 48 black crappie, 30 peamouth, 18 yellow bullhead, 3 lamprey ammocoetes, and 2 walleye. Forty-two individuals participated in the fish tissue collection effort. Striplin Environmental Associates staff coordinated the effort, which was carried out by personnel from Ellis Ecological Services, Fishman Environmental Services, Windward Environmental, Kennedy/Jenks Consultants, and Anchor Environmental. All people directly involved with the fishing effort were authorized to collect fish under the scientific taking permit granted by the Oregon Department of Fish and Wildlife to Ellis Ecological Services. With the exception of juvenile lamprey, the 2002 fish sampling program was successful in collecting all target species at all target locations in the ISA to satisfy the Round 1 data needs of the human health and ecological risk assessments.

Fish samples were processed at the field laboratory by a field laboratory staff led by Fishman Environmental personnel. Fish specimen sample handling and processing procedures followed those detailed in EPA-approved project SOPs and QAPP. Following final agreement with EPA on fish sample compositing schemes, frozen samples were shipped to Axys Analytical Services Ltd. (Sidney, B.C., Canada) for tissue homogenization.

1.0 INTRODUCTION

This document describes field operations carried out during Round 1A and Round 1 (2002) of the Portland Harbor RI/FS from June 24 to December 20, 2002. Except where noted in the sections that follow, all field activities, including navigational positioning, data management, sample collection, and sample handling and processing, followed guidelines specified in the Round 1 Work Plan (SEA et al. 2002), Round 1A and 1 field sampling plans (SEA et al. 2002a,b), and Fish Tissue Sampling Standard Operating Procedure (SOP) (SEA et al. 2002c).

The 2002 Round 1A and Round 1 Portland Harbor RI efforts described here include collection of the following samples:

- Sediments at sculpin, crayfish and benthic infauna stations (co-located sediments)
- Composited beach sediments
- Benthic infauna
- Clams for tissue chemistry analyses
- Crayfish for tissue chemistry analyses
- Fish for tissue chemistry analyses
- Juvenile salmonids for the mark/recapture pilot Study

The results of additional 2002 investigation efforts described in the Round 1A FSP are provided as individual reports under separate cover. These activities included the following:

- Aquatic plant and amphibian/reptile reconnaissance (Windward 2003a)
- Hard-bottom benthos sampling using multiplates (Windward 2003b)
- Lamprey harvest reconnaissance survey (Kennedy/Jenks 2003)
- Nearshore deposition/erosion monitoring using sediment stakes (Anchor in prep.)
- Summer 2002 river-wide bathymetry survey (DEA 2003).

In addition, the following three activities were performed:

- Juvenile lamprey reconnaissance (SEA and Windward 2003)
- Soft-bottom benthos tissue reconnaissance (SEA and Windward 2003)
- Seep reconnaissance survey (GSI 2002).

Figures 1-1a-b show the general locations of all stations where sediment, tissue (fish, crayfish, and clams) and benthic infauna were collected in 2002 and include a station-by-station summary of the collected media, species, and planned laboratory analyses. Table 1-1 is an index of all field notebooks associated with

this nearly 5-month sampling program. Originals and copies of all field notes are stored in the LWG Project Library at Striplin Environmental Associates'(SEA) Olympia, WA office.

2.0 CHRONOLOGY OF FIELD OPERATIONS

Table 2-1 summarizes the chronology of the 2002 field operations described in this report. The collection of subyearling chinook salmon in the ISA took place from June 24-27, 2002 during Round 1A sampling. The Juvenile Salmonid Mark/Recapture Pilot Study occurred on July 8 and 9, 2002. The collection of all other fish species and crayfish was performed during Round 1 sampling from July 22 to November 10, 2002. Beach sediment sampling occurred from October 9-14, 2002 and co-located surface sediments were collected from October 16-25, 2002 with an additional sampling day on November 12, 2002. Benthic infauna were sampled from October 22-25, 2002 and clams were collected from October 29 to November 5, 2002, with and additional day on November 12, 2002.

3.0 SEDIMENT SAMPLING

Surface (0-15 cm) sediments for chemical analyses were collected at nearshore sculpin and/or crayfish tissue sampling locations and benthic infauna stations located adjacent to and in the main channel stations to support the ecological risk assessment (ERA). Composite surface beach sediment samples were collected for chemical analyses to support the human health risk assessment (HHRA). All sample logs are provided in Appendix A.

3.1 CO-LOCATED SURFACE SEDIMENTS

Co-located sediments were collected from 27 stations in the ISA from October 16 to November 12, 2002 (Figures 3-1a-b, Tables 3-1 and 3-2). Field operations were conducted using a 29-foot aluminum-hulled research boat provided and operated by John Vlastelicia (Scapoose, OR), or the *R/V Nancy Anne* provided and operated by Marine Sampling Systems (Burley, WA).

3.1.1 Navigation and Station Coordinates

SEA subcontractor, David Evans & Associates, provided computer-integrated navigation aboard John Vlastelicia's boat using a Trimble 4000SE Differential Global Positioning System (DGPS). Differential corrections were obtained real-time via radio broadcasts from the Continuously Operating Reference Station (CORS) site at Appleton, WA. Positions were recorded in Coastal Oceanographics Hypack Max for real-time stationing and monitoring of sampling operations. Hypack allows the raw coordinates (WGS84 geodetic) to be displayed in project coordinates (U.S. State Plane, North American Datum 1983, Oregon North Zone).

Marine Sampling Systems provided its own computer-integrated navigation system for operations aboard the *R/V Nancy Anne*. Horizontal positions were acquired using a Trimble AG132 DGPS. Real-time differential corrections were obtained from the CORS site at Appleton, WA. Positions were logged in Mapsite Navigational Software. In addition, at the start and conclusion of each survey day aboard the *R/V Nancy Anne*, the vessel was piloted to a known, fixed location and the vessel position recorded. This served as a daily check on navigation system accuracy.

Geographic information system (GIS) coordinates with observed depths for each grab sample can be found in Table B-1 (Appendix B).

3.1.2 Collection Methods

All sample collection was conducted in accordance with procedures described in the Round 1 FSP (SEA 2002b).

Co-located surface sediments were collected from a total of 27 stations. A summary of sample types collected from each station is presented in Table 3-2. All surface sediments were collected using either a 0.1-m^2 single van Veen grab sampler provided by SEA or a 0.3-m^2 hydraulic power grab sampler provided by Marine Sampling Systems. The target surface sediment-sampling interval was from 0-15 cm below the sediment-water interface. In fine-grained sediments, a 0- to 15-cm sediment sample was routinely obtained. In sandy areas, some samples less than 15 cm in depth were obtained using the van Veen and accepted per the Puget Sound Estuary Program guidelines (PSEP 1986) cited in the Round 1 FSP (SEA 2002b). In all cases, the penetration depth of all samples retained was recorded on sample collection log sheets.

Upon retrieval of the grab sampler, a SEA staff geologist described the contents of the grab and recorded the description onto a sample log sheet. The following parameters of each grab were described:

- **Time.** The time (local) when the grab sampler reached the river bottom was recorded.
- **Penetration Depth.** The maximum penetration from the center of the grab sampler into the sediment was measured.
- **Texture/Grain Size.** The average grain size, including any noticeable changes in particle size with depth was described. Any sedimentary layering within was also noted.
- **Sediment Color.** The color of the sediment was noted, including any variations in color with depth.
- **Notable Odors.** Any odor emanating from the sediment was described. The relative strength of the odor was also noted.
- **Debris.** Any debris, including organic debris such as wood, contained within the sediment was described.
- **Sample Quality.** Any other notable features of the grab contents were described.

Copies of all sample log sheets are provided in Appendix A. Original sample log sheets are on file in the LWG Project Library at SEA's office in Olympia, WA.

Only sediment that did not come into contact with the walls or top screens of the grab sampler was collected for chemical analyses. A minimum of three casts of the grab sampler was taken at each station to generate a composite. Sample compositing proceeded as described in the Round 1A FSP (SEA 2002d). A representative volume of sediment from each grab was scooped into a stainless-steel bowl using a stainless-steel spoon. Once sediment was collected from the final grab, the sediment was stirred to form a homogenate that was consistent in both texture and color. The sediment was then scooped into individual sample

jars (see below). Sediment samples for volatile organics analysis were collected immediately upon retrieval from an undisturbed, randomly chosen grab.

3.1.3 Sample Handling and Processing

As described above, homogenized sediment at an individual station was transferred to glass sample jars provided by the analytical laboratories. Care was taken to transfer the sediment from the mixing bowl to the jars as quickly as possible following homogenization to minimize the potential for contamination from an outside source. Sample jars were capped, labeled, bagged individually, and stored in a cooler on ice until the end of the sampling day. At the end of each field day, samples were transported by the field crew to the LWG field lab at the ATOFINA Chemicals. facility in Portland, OR. There, samples that could be frozen were transferred to a chest freezer. Those samples that could not be frozen (grain size, volatile organics) were held on ice for up to 4 days until they could be transported to SEA's office in Olympia, WA.

Frozen sample jars were immediately transferred into a chest freezer upon arrival at the SEA office in Olympia. Grain-size and volatile organic sample jars were transferred into refrigerators. Sample jars were wrapped in bubble-wrap and placed with ice in coolers for shipment to the analytical laboratories. All chain-of-custody requirements outlined in the FSP (SEA 2002b) were followed.

3.2 BEACH SEDIMENTS

Sediments from 20 beaches were collected along the ISA from October 10-14, 2002 (Figures 3.1a-b, Table 3-2). FES provided a 20-foot vessel for transport to the target beaches and navigation/station positioning on the beaches.

3.2.1 Navigation and Station Coordinates

Representatives from FES recorded station coordinates for beach sediment collection using a Corvallis MicroTechnology (CMT) hand-held unit, model MC-GPS. Once data gathering in the field was completed, the GPS technician differentially corrected the GPS points and converted them to GIS points. The GPS points could then be overlaid on aerial photographs or project maps. GPS data typically yield 95% precisions ranging from 0.277 to 0.469 meters (0.91 to 1.54 feet).

3.2.2 Collection Methods

Beach sediments were collected from a total of 20 stations. A summary of types of samples collected from each station is presented in Table 3-2. Beach sediments consisted of sediments from 0-15 cm below the ground surface. All sediments were collected using stainless-steel hand corers.

To collect beach sediment, field personnel were transported to a given beach by boat. A FES technician recorded the GPS coordinates at a pre-determined starting location on the beach. Each beach was sub-divided into three transects parallel to the shoreline, as described in the FSP (SEA 2002b). The river water-line was set as the bottom of the beach (transect 1). The vegetation of the upland edge of the sand was set as the top of the beach (transect 3), and one-half the distance between these transects was set as the mid-beach (transect 2). Each beach was sampled using the stainless-steel hand-corers at a minimum of three locations, depending on the total length of the beach. FES technicians measured off a pre-determined distance from the starting location where the first beach coordinates were recorded. A pre-determined randomly-selected transect (1, 2, or 3) was then sampled at each pre-determined measured distance from the starting point. Sediment retained in the hand-corer was transferred into a foil-covered stainless steel bowl. Subsequent sampling of the beach proceeded in this manner until the preset number of randomly chosen locations (both along and up or down the beach) was sampled to form a composite.

3.2.3 Sample Handling and Processing

Homogenized sediment from each beach composite was transferred into glass jars (provided by the analytical laboratories) immediately after mixing. Labeled sample jars were then placed inside resealable plastic bags and placed in a cooler with ice. At the end of each field day, samples were transported by the field crew to the LWG field lab at ATOFINA. There, samples that could be frozen were transferred to a chest freezer. Those samples that could not be frozen (grain size) were held on ice, up to four days, until they could be transported to SEA's office in Olympia.

Frozen sample jars were immediately transferred into a chest freezer upon arrival at the SEA office in Olympia. Grain-size sample jars were transferred into refrigerators. Sample jars were wrapped in bubble-wrap and placed with ice in coolers for shipment to the analytical laboratories. All chain-of-custody requirements were followed as outlined in the FSP (SEA 2002b).

3.3 OTHER SURFACE SEDIMENTS

Sediment was collected from 10 additional nearshore and in-channel stations in the ISA from October 28-29, 2002 (Figures 3-1a-b, Table 3-2). All field operations were conducted onboard the *R/V Nancy Anne*. These 10 stations were placed at both nearshore and channel locations that supplemented the distribution of the 27 co-located stations.

3.3.1 Navigation and Station Coordinates

Horizontal positions were acquired onboard the *R/V Nancy Anne* using a Trimble AG132 DGPS as described above in Section 3.1.1.

3.3.2 Collection Methods

All sample collection was conducted according to guidelines outlined in the FSP (SEA 2002b). A summary of types of samples collected from each station is included in Table 3-2. Sediments were collected and handled, as described above (Sections 3.1.2 and 3.1.3), using a van Veen grab. A hydraulic power grab was used once because of the presence of wood debris, which precluded the closing of the van Veen grab.

4.0 BENTHIC INFAUNA/CLAM SAMPLING

4.1 SOFT-BOTTOM BENTHIC INFAUNA

Soft-bottom benthic infauna samples were collected from 22 stations in the ISA (12 co-located stations, 10 nearshore/channel stations) over a non-consecutive period from October 22-29, 2002 (Tables 3-1 and 3-2, Figures 3-1a-b). All benthic infauna sampling was conducted onboard the *R/V Nancy Anne*

4.1.1 Navigation and Station Coordinates

Horizontal positions were acquired onboard the *R/V Nancy Anne* as described in Section 3.1.1. GIS coordinates with observed depths for each grab sample can be found in Table B-1 (Appendix B).

4.1.2 Collection Methods

A summary of the types of samples collected from each station is presented in Table 3-2. Benthic infauna collections were paired with either co-located sediment stations or with the 10 additional nearshore and channel sediment stations. Upon arrival at each benthos/sediment station, the first cast of the 0.1-m^2 single van Veen grab sampler was designated as a benthos grab. A benthic ecologist onboard would first make a determination concerning the suitability of the grab for processing. If the contents of the grab were deemed acceptable, the entire contents of the grab were emptied into a 0.5-mm sieve box. The contents of the grab were then gently washed through the sieve box using site water. The material retained from each screen was rinsed into separate, labeled polyethylene bags. To preserve the infaunal samples in the field, a solution of 88.3 % ethyl alcohol was added to each sample bag after removing most of the overlying water from the sample.

Three additional grabs were then collected from each location to form a composite sample for sediment chemical analyses as described in Section 3.1.2.

4.1.3 Sample Handling and Processing

At the end of each field day, the benthic infauna samples and co-located sediment samples were transported by the field crew to the LWG field lab at ATOFINA. There, infauna samples were stored in coolers until they could be transported to the SEA office in Olympia. Sediment samples were handled and stored as described in Section 3.1.3.

Benthic infaunal samples were shipped to Howard Jones of Marine Taxonomic Services, Ltd. in Corvallis, OR in a single batch for sorting by major taxonomic groups. Samples were then sent to EcoAnalysts, Inc. in Moscow, ID for species identification or determination to the lowest practical taxonomic level. All chain-of-custody requirements outlined in the FSP (SEA 2002b) were followed.

4.2 CLAMS

During a reconnaissance of the site in September 2002 (SEA and Windward 2003), the non-native bivalve species, *Corbicula fluminea,* was determined to be the largest, most widespread, and abundant soft-bottom organism for tissue chemical analyses in the ISA.

4.2.1 Clam Reconnaissance

Additional clam reconnaissance information was gathered during the co-located sediment and benthic infauna station sampling conducted from October 10-23, 2002. During this period, the presence of *C. fluminea* specimens was noted to estimate which stations might have relatively high abundances of clams. Based on these observations, five locations were estimated to have relatively high clam densities (Table 3-3, Figures 3-1a-b). Also during this sampling, clams representing a range of sizes were collected and measured along their two major axes, dissected, and their soft tissue weighed. By measuring and weighing clams across the range of observed sizes, a correlation was made between the length of the clams and their wet-tissue weight. This relationship was used to estimate total clam tissue biomass collected during the follow-on clam collections.

4.2.2 Clam Collection

Between October 24 and November 12, 2002, clam tissue collection was attempted at the five target locations listed in Table 3-3. At each station, replicate drops of a 0.1-m^2 single van Veen grab sampler were repeated in an effort to collect the required estimated total combined weight of *C. fluminea* for tissue analyses (150 g/station) (An additional ~110 g of *C. fluminea* [total 260 g] were collected at station 06R002 for laboratory QC analyses). Following retrieval of each grab, the contents of the grab were emptied onto a sampling table or tray and searched for *C. fluminea*. Only organisms with a maximum shell-width greater than 1.5 cm were retained for processing and analyses as smaller clams were determined to have negligible tissue biomass. The bottom of the sampling tray aboard the *R/V Nancy Anne* was modified with a 1-cm steel mesh screen. Sediment from the grab that was emptied onto the tray was washed using site water, and clam specimens retained by the screen were thoroughly washed to remove as much sediment from the outer shell as possible. Clams were measured along their longest axis, and counted.

At the end of each sampling effort at a given station, *C. fluminea* specimens were wrapped together in aluminum foil and placed in a plastic bag. The name of the station and the date were recorded on the outside of each plastic bag, and the bags were placed in a cooler with ice onboard the sampling vessel until they could be transported to the ATOFINA lab at the end of each sampling day.

Table 3-3 summarizes the effort required to collect *C. fluminea* tissue at the five target stations. Spatial variability was high as indicated by the numerous grab

deployments (from 54 to 219 grabs) at each station requiring up to four sampling days per station. Clam collection at station 07R003 proved most difficult. Grab sampling at this station first took place on October 29, 2002, yielding 12 clams (approx. 18 g) after 91 grabs and 2.5 hours. Subsequently, attempts were made to collect *C. fluminea* on the beach and shallow sand spit adjacent to 07R003 (both beach raking and grab sampling efforts were made). Station 07R030 was later defined as a new location adjacent to station 07R003 due to the expanded search area (Figure 3-1b); minimal clam biomass (14.5 g) was obtained in this location.

4.2.2 Sample Handling and Processing

At the end of each field day, clams were transported by the field crew to the LWG field lab at ATOFINA. There, samples were frozen in a chest freezer until they could be transported to the SEA office in Olympia. Upon arrival at the SEA office, frozen samples were immediately transferred from coolers into a chest freezer.

5.0 FISH AND CRAYFISH SAMPLING

Collection of fish and crayfish tissue from the ISA followed guidelines outlined in the Fish Tissue Sampling SOP (SEA et al. 2002c). Eleven fish species and one crayfish species were identified for tissue analyses for the ecological and human health risk assessments. The target species for the ERA were:

- Northern pikeminnow (*Ptychocheilus oregonensis*)
- Smallmouth bass (*Micropterus dolomieui*)
- Sculpin (*Cottus sp.*)
- Subyearling chinook salmon (*Oncorhynchus tshawytscha*)
- Peamouth (*Mylocheilus caurinus*)
- Largescale sucker (*Catostomus macrocheilus*)
- Lamprey ammocoetes
- Crayfish.

Of these species, only lamprey ammocoetes could not be found in sufficient numbers for tissue analyses.[1]

The target species for the HHRA were:

- Carp (*Cyprinus carpio carpio)*
- Black crappie (*Pomoxis nigromaculatus)*
- Bullhead (*Ameiurus nebulosus*)
- Smallmouth bass (*Micropterus dolomieui*)
- Crayfish.

In addition, walleye and largescale sucker were collected as alternative species for brown bullhead and carp, respectively. These alternate species were not used for tissue analyses because adequate numbers of bullhead and carp were caught.

Beach seining and dip netting were the only sampling techniques used during Round 1A for the collection of subyearling chinook salmon. Six sampling techniques were used during Round 1 to collect fish: beach seining, boat electrofishing, backpack electrofishing, trot line, angling, and crayfish traps. The sampling techniques, amount of effort, and number of fish caught per station are summarized in Table 5-1; the actual locations fished using the various methods are shown in Figures 5-1a through 5-1e.

[1] A concerted effort was made to locate lamprey ammocoetes in the ISA by LWG and tribal biologists over four days in September and October 2002 without success Methods tested and observations made during this effort are reported in SEA and Windward (2003)

A total of 1,870 fish were collected in 79 days. Tables C-1 and C-2 (Appendix C) provide an information record of each fish caught during the Round 1A and Round 1 sampling effort. The fish included 863 sculpin (Figures 5-2a, b, and c), 419 crayfish (Figures 5-3a, b, and c), 128 largescale sucker (Figures 5-4a and b), 90 smallmouth bass (Figures 5-5a and b), 78 carp (Figures 5-6a and b), 92 subyearling chinook salmon (Figures 5-7a and b), 64 brown bullhead (Figures 5-8a and b), 35 northern pikeminnow (Figures 5-9a and b), 48 black crappie (Figures 5-10a, and b), 30 peamouth (Figures 5-11a, and b), 18 yellow bullhead (Figures 5-8a and b), 3 lamprey ammocoetes (Figures 5-12a, and b), and 2 walleye (Figure 5-12a).

Fishing efforts required a substantial amount of resources and personnel. SEA staff coordinated the overall effort, which was carried out primarily by personnel from Ellis Environmental Services (EES), with assistance from FES, Windward Environmental (Windward), Kennedy/Jenks Consultants (Kennedy/Jenks), and Anchor Environmental. Table 5-2 lists the names of the 42 individuals who participated in the fish tissue collection effort.

All people directly involved with the fishing effort were authorized to collect fish under the scientific taking permit granted to ESS by the Oregon Department of Fish and Wildlife.

5.1 NAVIGATION AND STATION COORDINATES

Trimble GeoExplorer 3 Global Positioning System (GPS) units were used to record coordinate data, the time and date of each sampling effort, and the numbers of fish collected, retained, or released. A data dictionary and menu-driven data collection system were developed by EES and programmed into the GPS units to facilitate consistent data collection techniques and to minimize data entry errors. Handwritten field notebooks were also used to duplicate data collected using the GPS units and make note of any other field observations. The coordinate data were downloaded periodically from the GPS units at EES, differentially corrected (using Portland State University base station data), and projected from geographic coordinates to the state plane coordinate system. Handwritten field notebooks also were collected periodically from the field crew to accompany the GPS data. These data were reviewed immediately after periodic downloads to communicate and correct any data entry errors with the field crew.

Prior to September 19, 2002 all positional data were obtained using point coordinates. This included boat electrofishing, backpack electrofishing, beach seining, trot lines, and angling efforts. Sampling points, representing a particular sampling effort, were derived by averaging coordinates collected each second by the GPS unit. The area sampled during each effort was dependent upon the sampling objectives for the species being collected and the sampling gear used.

The field crew used hardcopy maps describing the general location of each sampling location or area to determine where to focus sampling efforts.

To address U.S. Environmental Protection Agency (EPA) concerns regarding the area sampled while electrofishing, methods used to record positional data were modified on September 20, 2002 to include the collection of line data. Once the GPS units were reprogrammed and field crew retrained, boat and backpack electrofishing efforts were represented by line data consisting of "vertices", or points of inflection, collected every 5 seconds and "nodes" collected at the beginning and end of each sampling run. Data processing methods were not significantly altered. Electrofishing runs were then limited to 500 seconds to reduce the spatial area covered.

Once all of the data had been differentially corrected, projected, and compiled at EES, quality assurance checks were made using digital aerial photography for positional data and the handwritten field notebooks for numeric and categorical data. The resulting spatial database was stored using GIS. Spatial data and associated attributes were also exported and compiled in spreadsheets for reporting purposes. All GPS coordinates were e-mailed to SEA office in Olympia and incorporated into the Fish Tissue Data Master Table (Appendix C, Table C-1).

On October 7, 2002, the fishing effort was doubled in order to increase the fish catch per day. Operations increased from two boats and five people in the field to five boats and 14 people a day. A sufficient amount of GPS units necessary for every team to directly record their positional data was unavailable. The three existing GPS units were assigned to the fishing teams that required constant navigation records, such as the boat electrofishers. Teams without GPS units were assigned to collect fish at fixed and marked nearshore stations, such as crayfish and sculpin stations, which already had GPS coordinates on record. Field notebook entries from non-GPS teams were transferred to the Fish Tissue Data Master Table (Appendix C, Table C-1), and the coordinates necessary for each specific event were copied from a previous GPS record for each respective station. Each fish assigned previously recorded coordinates received a "NA" qualifier under GPS date and time columns in Table C-2 (Appendix C).

FES provided an additional GPS unit, which was used during beach seining and trot line settings. The FES GPS unit was a Corvallis Micro Technology MC-GPS unit. This GPS data typically yield 95% precisions ranging from 0.277 to 0.469 meters (0.91 to 1.54 feet). FES used C/A code so their accuracy was 1-3 meters.

5.2 TARGET STATION MODIFICATIONS

Three stations proved to be poor habitat for the collection of sculpin, and alternative stations with better sculpin habitat were selected as close to the

original station as possible. On July 26, 2002, station 03R034 was added as an alternative to station 03R003. On August 27, 2002, station 05R020 became the alternative to station 05R002. On November 7, 2002, station 07R006 was added as an alternative to station 07R001 (Figure 1-1, Figures 5-2a-b, and Tables C-1 and C-2 [Appendix C]). All new stations were approved by EPA.

On October 7, 2002, an additional sculpin and crayfish station, station 02R015 located downstream from the Multnomah Channel, was added at the request of EPA (Figure 1-1, Figure 5-2a, and Tables C-1 and C-2 [Appendix C]).

5.3 EQUIPMENT DECONTAMINATION

All field equipment used to collect and process fish was decontaminated according to the Fish Tissue Sampling SOP. No deviations were made from that protocol. Equipment described under fishing methods in Section 5.4 below was always decontaminated prior to sampling a new station. All dip nets, buckets, measuring boards, handheld scales, and coolers used to retrieve and store fish were also decontaminated at each new station. The beach seine was simply washed in site water during deployment and retrieval. Due to its large size and volume, the beach seine could not be practically decontaminated using the same protocol as other sampling equipment. However, all fish caught by beach seine were placed for a few minutes in a decontaminated bucket containing site water and therefore rinsed before being handled and processed.

5.4 FISHING METHODS

5.4.1 Beach Seine

A 100-foot-long pole-seine was used for beach seining. It required an 18-foot boat with a 30-HP outboard engine and three people to deploy and retrieve the net. After the net was placed surrounding the fish, technicians on the beach hauled in the "wings" of the net. As the net approached the beach, fish were driven into the net and hauled up on shore. All fish were handled with powder-free nitrile gloves, dip nets, and buckets. A total fish count was taken, and only target species were sorted into a bucket. The remaining fish were returned to the water. The bucket with fish was then handed over to the fish-processing team. If fish were to be held for more than 30 minutes before being transferred to the processing team, they were placed in resealable plastic bags and stored in a cooler with wet ice. Each bag was marked with the date, time, station number, fishing technique code, event number, and initials of the sampler.

5.4.2 Trot Line

Trot lines were built with 50- to 80-lb braided Dacron line with nylon monofilament leaders. Each trot line was 100 to 150 feet long with 25-30 # 4 and

6 hooks. Hooks were baited with earthworms purchased from D & G Bait Co[2]. Trot lines were attached to a piling above the water line, slowly stretched out with the help of a boat and anchored at the other end with a lead weight. They were occasionally attached between two pilings or spread out at the bottom with both ends attached to lead weights, which in turn were attached by a line to floats at the surface. Trot lines were left on site overnight and retrieved the following day. Technicians wearing powder-free nitrile gloves slowly retrieved the line unhooking the fish and placing them inside a plastic bucket. Often times, it was difficult to remove a hook without damaging a fish sample. It was necessary to cut the nylon leader as far away from the mouth making it easy to identify a fish in need of hook removal during sample processing at the laboratory. All fish containing hooks were noted in the field notebook. The bucket with fish was then handed over to the fish-processing team. If fish were to be held for more than 30 minutes before being transferred to the processing team, fish were placed in resealable plastic bags and stored in a cooler with wet ice. Each bag was marked with date, time, station number, fishing technique code, event number, and initials of the sampler.

5.4.3 Angling

Angling was conducted using a standard rod and reel with monofilament line (6-12 lb test). A variety of lures was used depending on the target species. Black crappie were caught using lead-weighted hooks with an attached rubber crappie jig. White-rubber tailed crappie jigs were the most successful and therefore were used almost exclusively. Smallmouth bass were caught with a variety of lures, depending on the desired sampling depth. Lead-weighted hooks with attached green-rubber tube jigs were used to fish the bottom, while plastic crank baits resembling small fish or crayfish were used to fish the shallower surface waters (0-3 m). Electric trolling motors were used to more accurately access specific smallmouth angling locations and enable the complete coverage of selected areas. Angling for black crappie was done primarily between dusk and 3:00 AM. Angling teams sampled predominantly near pier/dock structures where existing facility lights illuminated the water surface. Coleman™ gas lanterns were used to provide light around pier/dock structures without existing facility lights. Crappie jigs were placed on weighted hooks and lowered between pilings or adjacent to floating dock structures to an average depth of 10 m. Angling for smallmouth bass was conducted primarily at dawn and dusk. Smallmouth bass were sampled at the surface and near the bottom. Crank baits were used to sample surface waters at depths ranging from 0-4 m, while rubber tube jigs were used to sample the river bottom at an average depth of 10 m. Once caught, fish were handled using powder-free nitrile gloves, unhooked, and immediately placed into individual resealable bags. Each bag was marked with the date, time, station number, fishing technique code, event number, and initials of the sampler.

[2] D & G Bait Co, 15981 SE 122nd Ave, Clackamas, OR 97015, (503) 557-2248

Bagged fish were then placed in coolers with wet ice for transport to the LWG laboratory for processing.

5.4.4 Crayfish Traps

Standard minnow traps were used for capturing crayfish. Bait consisted of commercially available canned cat food, frozen smelt, and frozen shad. Numerous small holes were punched in the cat food cans to allow diffusion of the food scent into the water while preventing crayfish from ingesting the can contents. Frozen smelt or shad were cut into small pieces and placed into perforated plastic canisters with screw-on plastic lids. Canisters were attached to the inside of the traps using plastic zip ties. Crayfish traps were deployed within 100 feet of the shoreline at marked sculpin stations. Sculpin stations were marked in 100-foot widths along the shoreline. Depth of deployment varied according to station bathymetry. Traps were retrieved and carefully rinsed before being placed inside the boat. Technicians wearing powder-free nitrile gloves retrieved crayfish from traps and placed them inside resealable plastic bags. Plastic bags containing crayfish were then stored inside coolers with wet ice until ready for processing. Each bag was marked with the date, time, station number, fishing technique code, event number, and initials of the sampler.

5.4.5 Boat Electrofishing

Boat electrofishing was conducted from a 20-foot jet sled equipped with a Smith Root Model 5.0 GPP electrofisher. Typically, 3-4 amps of output current were applied, and the pulse rate varied between 30-80 % of 60-120 volts direct current. Pulse rate and width were adjusted periodically depending on conductivity, fish species, and behavior. Conductivity, dissolved oxygen and water temperature conditions were independently collected using an YSI Model 85 multi-parameter water quality probe each sampling day. The electrofisher typically attracted fish from 10-15 feet away. Electrofishing was conducted for periods of at least 500 seconds, at which point the location and effort were recorded. The boat electrofishing team consisted of a pilot and two people wearing chest waders and electrical safety gloves holding long dip nets at the bow of the boat and secured by a safety rail. Stunned fish were collected with the dip nets and placed inside large open coolers containing site water.

Handling of fish was done using powder-free nitrile gloves. Fish were counted and placed on a decontaminated measuring board. Any target fish that met the size range requirement was then transferred to a plastic tote with an interlocking lid to prevent the fish from jumping out. The tote was then transferred over to the processing team. If fish were to be held for more than approximately 30 minutes before being transferred to the processing team, fish were placed in resealable plastic bags and stored in a cooler with wet ice. Each bag was marked with the date, time, station number, fishing technique code, event number, number of electrofishing seconds, and initials of the sampler.

5.4.6 Backpack Electrofishing

Backpack electrofishing was done with a gas-generator-powered Smith-Root Model 15-D Backpack Electrofisher. Settings were generally in the standard pulse range of I-4 (60 Hz at 4 ms) to K-6 (80 Hz at 8 ms), and varied in voltage power from 100 volts to 400 volts as per effectiveness. Settings in the Programmable Output Waveform range were used in some instances. Electrofishing was also done with a Smith-Root Model 12 with a 24-volt battery. The output voltage range varied from 300-400 volts, depending on fish behavior and water conditions. The pulse range varied between I-4 (60 Hz at 4 ms) and K-6 (80 Hz at 8 ms). Effort was recorded in seconds at electroshocking stations to determine catch per effort.

The backpack electrofishing team consisted of two technicians wearing chest waders and insulated electrical safety gloves. One technician carried the backpack unit holding the anode wand in one hand and cathode "tail" dragging behind in the water. The other technician held a dip net and a plastic bucket. Once a fish was stunned, it was scooped by a dip net carried by the second technician and placed inside the plastic bucket. The bucket with fish was then handed over to the fish-processing team. If fish were to be held for more than approximately 30 minutes before being transferred to the processing team, fish were placed in resealable plastic bags and stored in a cooler with wet ice. Each bag was marked with the date, time, station number, fishing technique code, event number, number of electrofishing seconds, and initials of the sampler.

5.5 FIELD SAMPLE HANDLING AND PROCESSING

Fish samples were handled with powder-free nitrile gloves. All equipment was decontaminated prior to processing samples at each new station and between different species (Section 5.3). Fish were first measured for total length and, if appropriate, fork length by placing them flat on a measuring board. The total length of a fish was measured from the front of the jaw, which is most anterior to the end of the longest caudal ray when the rays are squeezed together, but excluding the caudal filaments, to the end of the tail. Fork length was measured from the tip of the snout to the posterior end of the middle caudal rays (FishBase 2002). The total length of crayfish specimens was measured from the rostrum, the flat "horn" between the crayfish's eyes to the telson, to the last center segment of the tail (Pennak 1989). After length measurements, fish were weighed using a handheld scale suited for the weight of the fish (Pesola® 60 g x 0.5 g, Pesola® 1000 g x 10 g, and Chatillon™ 6 kg x 50 g). Once weighed, the fish sample was placed on aluminum foil (dull side towards fish), wrapped and placed inside a resealable plastic bag. A label was written on Rite-in-the-Rain™ paper, placed inside another resealable plastic bag, and, in turn, placed inside the bag containing the fish sample. This was to ensure that no chemicals present in the treated label paper would contact the fish sample. The processed fish sample was then placed inside a cooler containing wet ice. At the end of each day, the cooler was brought

back to the LWG laboratory. All fish were then removed from the cooler, counted, and stored in the 4°C refrigerator. The refrigerator was then locked, and a total fish number was entered in the LWG laboratory storage logbook and signed. Beginning on October 3, 2002, it was found to be more efficient to process the fish in the laboratory than in the field immediately after fish capture. All fish caught in the field were placed in resealable plastic bags, marked with the date, time, station number, fishing technique code, event number, number of electrofishing seconds, initials of the sampler and placed in a cooler with ice. At the end of the field work, the fish samples were then processed by the field crew at the LWG laboratory at ATOFINA following the same procedures as described above.

5.5.1 Data Management

Four different groups of notebooks were generated from a total of 38 notebooks during Round1A and Round1 fish tissue collection (Table 1-1). The first group, FES Lab Books (11 books), included information about fish tissue processed at the LWG laboratory at ATOFINA. The second group, SEA Field Books (11 books), included information about fish tissue collection and processing. The third group, EES Field Books (8 books), included information about fish tissue collection and water quality. The fourth group was the Auxiliary Field Books (8 books), which included information about fish tissue collection and lamprey surveys.

Once fish were processed in the field and stored at the LWG refrigerator for further tissue processing by the laboratory team, the field notebooks were scanned and e-mailed daily to SEA. The data were received at SEA office in Olympia, and the Fish Tissue Data Master Table (Appendix C, Table C-1) was updated manually into an Excel spreadsheet. In addition to the field fish processing data, the locations where the fish were caught were recorded with a GPS unit by the EES crew in the field and post-processed at their office and delivered electronically either as a Text File or as an ArcView™ Shape file to SEA via e-mail. This information was then transferred into the Fish Tissue Data Catch Coordinates table (Appendix C, Table C-2). This table contains the X and Y locations for fishing events and locations for specific fish catch. The coordinates were then matched to specific fish based on date, time, station, key day, sampler, method, recorded catch, and effort, and copied into the Fish Tissue Data Master Table. After new field data were added, the table was checked for duplicate sample codes to identify any mislabeled samples. If duplicates were identified, the field collectors and the lab were notified and the appropriate actions were taken to correct the problem.

As described in Section 5.1, on October 7, 2002, field efforts were doubled and the number of GPS instruments was insufficient for every team to directly record their positional data. It was also unnecessary because many stations, such as all of the co-located crayfish/sculpin stations, were established as fixed points with

GPS coordinates previously recorded and also marked with fluorescent orange spots at both ends of the delineated 100-ft shoreline. The three existing GPS units were assigned to the fishing teams that required constant navigation records, such as the boat electrofishers. All other teams were assigned to collect fish at fixed stations, which already had GPS coordinates on record. Field notebook entries from non-GPS teams were transferred to the Fish Tissue Data Master Table (Appendix C, Table C-1), and the coordinates necessary for each specific event were copied from a previous GPS record for each respective station. Each fish assigned previously recorded coordinates received a "NA" qualifier under GPS date and time columns in Table C-2 (Appendix C).

Some trot line and angling efforts lacking field GPS coordinates were located visually on a map based on field notes by the sampler, and a coordinate was assigned to a specific location using ArcMap™. Boat electrofishing and backpack electrofishing were collected as lines. Crayfish and trot line events were collected as points. After September 20 2002, GPS files were being delivered as line and point shape files (instead of text files). The coordinates for the line files were converted to a centroid using an ArcView™ extension. The coordinate from the centroid was then substituted into the catch coordinate for boat electrofishing and backpack electrofishing events.

5.6 ANALYSES OF FIELD FISH SAMPLING TECHNIQUES

It is important to report some factors that may have improved fish sampling techniques with the goal of better preparing future fish sampling events.

Crayfish were noted to be of larger size in deeper water (30-40 feet) than closer to shore. They preferred sandier than muddier substrates and were collected most successfully with traps that had long bodies (approximately 30 inches) and long entry cones. The best bait used was frozen smelt.

In certain areas, it was difficult and potentially hazardous to obtain sculpin by electrofishing because the terrain was too steep and the water too deep. As the water deepened, it became more difficult to visually detect a sculpin and scoop it out of the water with a net, even if it had been stunned by the electrodes from either a boat or a backpack. It was equally difficult to retrieve any sculpin that may have fallen into the large gaps between stones of a riprap area. Trot lines proved efficient in catching sculpin at locations sharing the physical characteristics mentioned above. Any delay in retrieving overnight trot lines would increase the chances for crayfish to partially consume sculpin bodies caught on lines set close to the bottom. Sculpin were infrequently caught with crayfish traps.

Black crappie were collected most successfully by trot lines and/or jigging with a white plastic lure at depths of 30 - 40 feet in quiescent bodies of water such as

Swan Island Lagoon. Most black crappies were caught at night between 5:00 and 10:30 PM. Electrofishing proved inefficient since black crappies tend to live in waters deeper than the electric field of a boat electrofisher can reach (i.e. approximately 10 feet).

Carp and smallmouth bass were more difficult to catch at lower water temperatures.

5.7 LABORATORY SAMPLE HANDLING AND PROCESSING

5.7.1 Laboratory Location

The LWG laboratory for fish processing was located in a separate, locked set of rooms inside the gated and guarded decommissioned ATOFINA plant at 6400 NW Front Ave, Portland, OR. The laboratory was thoroughly cleaned by a professional team before any installations occurred. The laboratory room ceilings and some wall openings were sealed with plastic sheeting, and all air vents were fitted with micro-filters. A positive pressure system was created with plastic drapes separating the inner laboratory rooms from the outer workroom. Additionally, an "air-lock" entrance room was built to prevent direct transport of airborne particles from the outside into the laboratory. This room was also used to store all field equipment. The laboratory was outfitted with a water de-ionizing unit, venting hood, two sinks, and all laboratory safety equipment listed in the SOP.

5.7.2 Monitoring of Personnel in Laboratory

Upon entering the LWG laboratory, all personnel were required to sign in with their name, date, time and purpose on the sign-in sheet located at a table by the front door. The numbered sheets were kept in a binder for a record of all entrances, and the originals are stored in the LWG Project Library at the SEA office in Olympia, WA.

5.7.3 Laboratory Opening Procedures

Upon entering the laboratory, several tasks were performed each day:

A. Freezers and refrigerators were unlocked, and the temperature was monitored for all units. Temperature readings were noted in the bound refrigeration logbook with date and time. Any unit with a temperature reading out of compliance (+4°C ± 2°C for refrigerators or -20°C ± 4°C for freezers) was adjusted and the adjustment noted in the logbook.

B. The digital balance was calibrated.

C. The numbers of fish in the refrigeration units (Units R1 & R2) were compared to the number of fish logged in by the field crew in the chain-of-custody logbook after field processing. Any

discrepancies were immediately noted and the field manager contacted.

D. Printed scanned field notes by field crew were reviewed prior to laboratory processing.

E. All working surfaces were covered with aluminum foil, shiny side down, as per SOP.

5.7.4 Fish Processing Procedures

Decontamination of laboratory equipment and laboratory fish handling followed the instructions of the Fish Tissue Sampling SOP. All surfaces were covered with clean aluminum foil with the dull side up prior to contact with fish samples.

A. Whole-body HHRA Fish

1. Fish were weighed on the calibrated digital balance.
   a. Any hooks noted in the fish, due to being caught on a trotline, were removed prior to weighing in the processing laboratory. Hook removal was noted in the condition section of the laboratory notebook entry
   b. Any fish that exceeded the capacity of the digital balance (3000 g) were weighed on a seed scale (Morris Scale Model 20, 20 lbs x 1 oz, temperature compensated) and the weights converted to metric. The accuracy of the seed scale was tested and found to be ±7 g at 2000 g NSTS (0.35 % error).
   c. Beginning on October 3, 2002, it was found to be more efficient to process the fish in the laboratory than in the field immediately after fish capture (Section 5.5). Therefore, unless hook removal was necessary for fish caught on a trotline, fish were not re-weighed by the laboratory crew.
   d. The weight was noted in the laboratory processing notebook and the sample processing form.
2. The fish was examined for observable anomalies, using the Fish Health Examination Sheet (SEA et al. 2002c) as a guide, and the condition was noted in the laboratory notebook (Field Laboratory Notebooks, Table 1-1). Entries were descriptive (e.g. "2 mm red spot on distal end of caudal fin ray 2").
3. Whole-body fish were then re-wrapped in clean aluminum foil, shiny side away from the fish, and put into an appropriately sized bag with the bagged sample label that was written by the field crew. The bag with fish and label was sealed according to the Fish Tissue Sampling SOP.

B) Whole-body ERA Fish:

Whole-body ERA fish were not unwrapped and inspected unless caught on a trotline, at which point they were unwrapped, inspected for the presence of a hook and re-weighed if the hook was removed. Removal of the hook and the new weight were noted in the laboratory notebook under the condition

entry and on the sample processing form, and the fish was re-wrapped in clean aluminum foil similar to the whole-body HHRA fish.

C) Fillet HHRA Fish:

1. Fish were weighed on the calibrated digital balance according to instructions in the Fish Tissue Sampling SOP.
   a. Any hooks present in the fish, due to being caught on a trotline, were noted but not removed, due to the subsequent filleting process.
   b. Any fish that exceeded the capacity of the digital balance (3000 g) were weighed on a seed scale (Morris Scale Model 20, 20 lbs x 1 oz, temperature compensated) and the weights converted to metric. The accuracy of the seed scale was tested and found to be ±7 g at 2000 g NSTS (0.35 % error).
   c. Beginning October 3, 2002, all fish caught were weighed by the field crew in the laboratory. Therefore, unless hook removal was necessary for fish caught on a trotline, fish were not re-weighed by the laboratory crew.
   d. The weight was noted in the laboratory processing notebook and the sample processing form.
2. Fish length was measured on a measuring board covered in aluminum foil.
   a. Total length was measured from the tip of the snout to the end of the caudal fin, when compressed dorsal-ventrally. The length was determined by marking the end of the tail with a sharp object and folding the aluminum foil at that point to read the ruler.
   b. Fork length was measured from the tip of the snout to the fork of the caudal fin, with the fin extended. The length was determined by marking the end of the tail with a sharp object and folding the aluminum foil at that point to read the ruler. For fish with a highly preyed upon or eroded caudal fin, the fork length measurement represented a best estimate of length.
3. As described in the Fish Tissue Sampling SOP, the fish were scaled prior to filleting. For fish without scales (i.e., yellow and brown bullhead), the skin was removed from the entire fish prior to filleting, in accordance with the SOP and EPA (2000) guidance. Prior to September 5, 2002, scaleless fish were processed so that only one side of the scaleless fish was skinned and this skinned side was filleted for the skin off without belly flap (labeled as FS) tissue sample. Because the entire fish was not skinned prior to September 5, 2002, the fillet samples processed prior to September 5, 2002 (5 samples in total), had the skin left on with the belly flap included (labeled as FL). After September 5, 2003, scaleless fish were processed consistent with the SOP and EPA guidance such that the entire fish was skinned prior to filleting. The FL samples processed after September 5, 2002, were skinless, but included the belly flap, while the FS samples were skinless without the belly flap.

4. Fish were filleted according to instructions found in the Fish Tissue Sampling SOP.
5. Weights of each fillet was measured on clean aluminum foil on the digital balance and was recorded in the laboratory processing notebook and the sample processing form.
6. A new sample label was made for each fillet. Starting near the end of September, the original label was placed in a folder. Prior to that, the original label was included in the bag with one of the new fillet labels. It was thought that including both the original and fillet-specific labels in one label bag with one fillet may create undue confusion and delay at the homogenization and analysis laboratory, hence the change in label practice.
7. Each fillet was wrapped in clean aluminum foil, shiny side away from the tissue, and packaged as for the whole-body HHRA and ERA fish.

5.7.5 Sample Storing Procedures

In order to keep track of each fish caught and having the capability of quickly retrieving samples for compositing or for a possible corrective action, it was necessary to keep a detail record of each fish as described below.

- Each fish sample, after being sealed as per the Fish Tissue Sampling SOP, (was color-coded with colored duct tape according to the color scheme in Table 5-3.
- Each sample was placed in a freezer unit, and the location (freezer unit number and shelf), date, time of storage and processor were noted in the storage notebook (Figure 5-13). The data were then transferred to a spreadsheet (Table C-3, Appendix C).
- The sample storage log was entered into the laboratory computer at the end of the day, and any samples moved or shipped were updated on the electronic version.

5.7.6 Corrective Actions

Any discrepancies or problems were noted on a corrective action form, as well as the proposed and actual actions taken (forms are stored in the LWG Project Library at SEA). The information was given to the field manager who approved the action. The form was then signed by the laboratory personnel and the field manager. Problems included dropped fish (subsequently discarded); piercing the gut cavity during filleting (procedures in the Fish Tissue Sampling SOP followed); temperature non-compliance (samples were retained, but a note was made referring to the fact that FES notified the people responsible for fish compositing, so that they could consider the non-compliance issues, which may not affect tests for some of the fish); inability to remove trotline hooks from samples (subsequently discarded); unsuitability of sample due to extreme

predation (subsequently discarded); errors in reported measurements that were checked and corrected; and delay in processing/extended hold times; any freezer unit with a temperature reading out of compliance (+4°C ± 2°C for refrigerators or -20°C ± 4°C for freezers); and any discrepancies on numbers of fish in the refrigeration units (Units R1 & R2) when compared to the number of fish logged in by the field crew in the chain-of-custody logbook after field processing. Most of the corrective action forms were forwarded to Windward and Kennedy/Jenks for consideration in compositing schemes. Original and copies of all corrective action forms are stored in the LWG Project Library at SEA office in Olympia, WA.

Occasionally, a sample was mislabeled in the field or in the laboratory, and the data on the sample label needed to be updated (Table C-4, Appendix C). This may have occurred when the most up-to-date information on sample numbering was not available in the field, GPS coordinates determined that the sample was caught in a different area than assumed, or incorrect data/error on the part of the field or laboratory crew. Errors and necessary corrections were confirmed with the field manager and/or database manager to facilitate correction on all pieces of data pertaining to the sample (i.e., laboratory notebook, laboratory processing form, field notebook, data master table, label, and sample storage log). After confirmation, the sample was located, custody seal removed, and sample label removed. All errors were crossed out with a single line, and the change was then dated and initialed. The sample label was then returned to the sample bag, which was re-sealed according to the Fish Tissue Compositing and Shipping SOP (SEA et al. 2002d) and returned to the freezer. A record of the correction was kept on the re-labeling check sheet starting on September 24, 2002 (Figure 5-14). Prior to this date, records of requests for corrections were kept in a notebook, and the appropriate changes were made to the laboratory notebook, laboratory processing form and sample storage log. The laboratory crew then notified SEA of the changes.

5.7.7 Data Management

Field data was logged in and transmitted to SEA on a daily basis as follows.

- At the end of each day, data from the sample processing forms were entered into the most recent Fish Tissue Data Master Table (weight, fork length, total length, FS weight and FL weight). The updated master table was e-mailed from the laboratory account to database managers at SEA.
- All pages in the laboratory notebook were scanned into the laboratory computer and e-mailed to Windward, SEA, Kennedy/Jenks and FES for review and off-site storage.
- The storage log was entered and updated.

- Any corrective action forms were scanned and e-mailed to Windward and Kennedy/Jenks.

5.7.8 Laboratory Closing Procedures

Before leaving the laboratory each work day, several tasks were performed:

- Verified that all freezer and refrigerator units were monitored
- Verified that all freezers were re-locked
- Decontaminated all used utensils and cutting boards
- Cleaned all work surfaces
- Scanned and stored laboratory notebook pages, e-mailed data to SEA, Windward, Kennedy/Jenks and FES, and updated the sample storage log
- Signed out on sign-in sheet located near door
- Turned off all lights and locked the main door.

5.7.9 Shipping

All sample handling and equipment preparation followed the Fish Tissue Compositing and Shipping SOP (SEA et al. 2002d). These procedures included the following:

- Composite information was received from Windward or Kennedy/Jenks and added into the data master table by SEA.
- Staff and supplies were coordinated, including dry ice arrangements.
- The sample storage log was referenced by the laboratory crew to aid in finding fish samples.
- Fish from the appropriate species were pulled from the freezers and sorted into "composite", "archive", and "non-use" clean bins. Samples that were not being used were returned to the freezer. Individual tissue samples were grouped together into the appropriate composite and then double-checked by one person calling out the fish ID and the other person checking off the fish sample ID on the composite list.
- Composited samples were then bundled together into one appropriately sized bag, and a new label reflecting the composite code was created. The label was placed into a zippered plastic bag and included in the bag with the composited fish samples. The bag of composites was sealed and returned to the freezer until ready to be placed into a cooler prepared with dry ice for shipping.

- Coolers were prepared for shipping and packed; two hazardous material placards with dry ice information were attached, in addition to the placards noted in the Fish Tissue Compositing and Shipping SOP.
- Prior to November 20, 2002, coolers were taken to the FedEx office at Swan Island and shipped to the Axys laboratory in Sydney, BC. Starting on November 20, 2002, coolers were placed into the care of SEA chemistry QA manager who drove the coolers to the border, meeting with an agent from the homogenizing laboratory, to ensure and expedite delivery.
- Copies of all shipping forms were made and stored at FES and SEA.
- The sample storage log was updated to reflect the transfer of samples from the laboratory and the movement of samples for archiving.
- The laboratory was cleaned and locked after completing shipping preparation.

6.0 JUVENILE SALMONID MARK/RECAPTURE PILOT STUDY

The study of residence time of subyearling chinook salmon was originally scheduled to begin in May 2002 and continue through the peak period of downstream migration (i.e., late May through June). However, between the submission of the Section 10 fishing permit and research startup, the proposed research was required to be reviewed and approved by the EPA. EPA decided that instead of emphasizing residence time of subyearling chinook in the 2002 season, emphasis should be placed on the collection of fish for tissue analysis. The scope of the residence time study was reduced to a pilot study to evaluate the efficacy of using fluorescent elastomer tags for marking subyearlings and developing an estimate of recovery efficiency. These changes in priorities were discussed with NOAA Fisheries in May 2002.

Due to the time required for the EPA review and approval, startup of the pilot study was delayed until mid-July. By that time, water temperature in the ISA had increased to levels that were stressful to juvenile salmonids. Juvenile salmonids were captured by beach seine on July 8 and 9, 2002. Field personnel found that the stress of handling at the ambient water temperatures was too high to allow meaningful results for a tag-recovery-efficiency estimate. Therefore, sampling for these purposes was discontinued, and no information was developed in 2002 on the residence time of subyearling chinook.

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Tables

Table 1-1 Index of Field Notebooks.

Field Notebook Groups		Time Period
FES FIELD FISH PROCESSING LABORATORY NOTEBOOKS		
Book 1	Fish Processing	6/25/02 to 7/27/02
Book 2	Fish Processing	7/29/02 to 8/7/02
Book 3	Fish Processing	8/8/02 to 8/10/02
Book 4	Fish Processing	8/13/02 to 8/27/02
Book 5	Fish Processing	8/27/02 to 9/17/02
Book 6	Fish Processing	9/18/02 to 10/1/02
Book 7	Fish Processing	10/1/02 to 10/8/02
Book 8	Fish Processing	10/8/02 to 10/22/02
Book 9	Fish Processing	10/23/02 to 10/31/02
Book 10	Fish Processing	11/1/02 to 11/27/02
Book 11	Fish Processing	11/28/02 to 2/28/03
SEA FIELD FISH SAMPLING NOTEBOOKS		
Book 1	Beach Seining, Dip Netting, Boat Electrofishing	6/24/02 to 7/25/02
Book 2	Boat Electrofishing, Crayfish Trapping	7/25/02 to 8/7/02
Book 3	Boat Electrofishing, Crayfish Trapping	8/7/02 to 8/16/02
Book 4	Boat Electrofishing, Crayfish Trapping, Angling, Backpack E-fishing, Trot line	8/16/02 to 9/10/02
Book 5	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line	9/11/02 to 9/25/02
Book 6	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line	9/25/02 to 10/7/02
Book 7	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line	10/7/02 to 10/15/02
Book 8	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line	10/15/02 to 10/24/02
Book 9	Beach Seining, Boat Electrofishing, Crayfish Trapping, Angling, Backpack E-fishing, Trot line	10/24/02 to 11/1/02
Book 10	Beach Seining, Boat Electrofishing, Crayfish Trapping, Angling, Backpack E-fishing, Trot line	10/28/02 to 11/9/02
Book 11	Cray Fish Trapping, Angling, Backpack E-fishing, Trot line	11/10/2002
EES FIELD FISH SAMPLING NOTEBOOKS		
Book 1	Boat Electrofishing, Water Quality, Crayfish Trapping	7/23/02 to 8/26/02
Book 2	Boat Electrofishing, Water Quality, Trot line, Crayfish Trapping	8/29/02 10/16/02
Book 3	Boat Electrofishing, Water Quality, Trot line, Crayfish Trapping	9/11/02 to 9/18/02
Book 4	Boat Electrofishing, Water Quality, Trot line	9/23/02 to 10/21/02
Book 5	Boat Electrofishing, Water Quality, Trot line, Crayfish Trapping	9/25/02 to 10/09/02
Book 6	Boat Electrofishing, Water Quality	10/14/02 to 10/25/02
Book 7	Boat Electrofishing, Water Quality, Trot line	10/25 to 11/08/02
Book 8	Boat Electrofishing, Water Quality, Trot line	10/28/02 to 11/4/02
AUXILIARY FIELD FISH SAMPLING NOTEBOOKS		
Book 1	Crayfish Trapping, Angling, Backpack E-fishing, Trot line	10/7/02 to 11/6/02
Book 2	Backpack E-fishing	10/7/02 to 10/10/02
Book 3	Crayfish Trapping, Backpack E-fishing, Trot line	10/13/02 to 11/8/02
Book 4	Angling, Backpack E-fishing, Gut Content	10/14/02 to 11/8//02
Book 5	Crayfish Trapping, Trot line	10/15/02 to 10/25/02
Book 6	Trot line	10/21/02 to 11/11/02
Book 7	Beach Seining, Trot line	10/21/02 to 11/08/02
Book 8	Beach Seining	10/17/2002
SEA FIELD SEDIMENT SAMPLING NOTEBOOKS		
Book 1	Lamprey/Benthos and Colocated Sediments Recon	9/16/02 to 9/23/02
Book 2	Notes on Stations to Have Colocated Sediments Collected	10/15/2002
Book 3	Beach Sediments Composites (book 1 of 4)	10/10/02 to 10/14/02
Book 4	Beach Sediments Composites and Co-Located Sediment Sampling (book 2 of 4)	10/14/02 to 10/02/18
Book 5	Co-Located Sediment Sampling (book 3 of 4)	10/22/02 to 10/25/02
Book 6	Channel Sediment Sampling (book 4 of 4)	10/28/02 to 11/12/02

Legend

FES = Fishman Environmental Services, SEA = Striplin Environmental Associates, EES = Ellis Environmental Associates

Table 2-1. Chronology of Field Operations.

Date	Site	Activity
24-Jun	Lower Willamette	Beach Seining, Dip Netting, Boat Electrofishing
25-Jun	Lower Willamette	Beach Seining, Dip Netting, Boat Electrofishing
27-Jun	Lower Willamette	Beach Seining, Dip Netting, Boat Electrofishing
22-Jul	Lower Willamette	Boat Electrofishing, Crayfish Trapping
23-Jul	Lower Willamette	Boat Electrofishing, Crayfish Trapping
24-Jul	Lower Willamette	Boat Electrofishing, Crayfish Trapping
25-Jul	Lower Willamette	Boat Electrofishing, Crayfish Trapping
26-Jul	Lower Willamette	Boat Electrofishing, Crayfish Trapping
27-Jul	Lower Willamette	Boat Electrofishing, Crayfish Trapping
28-Jul	Lower Willamette	Boat Electrofishing, Crayfish Trapping
29-Jul	Lower Willamette	Boat Electrofishing, Crayfish Trapping
30-Jul	Lower Willamette	Boat Electrofishing, Crayfish Trapping
31-Jul	Lower Willamette	Boat Electrofishing, Crayfish Trapping
1-Aug	Lower Willamette	Boat Electrofishing, Crayfish Trapping
5-Aug	Lower Willamette	Boat Electrofishing, Crayfish Trapping
6-Aug	Lower Willamette	Boat Electrofishing, Crayfish Trapping
7-Aug	Lower Willamette	Boat Electrofishing, Crayfish Trapping
8-Aug	Lower Willamette	Boat Electrofishing, Crayfish Trapping
9-Aug	Lower Willamette	Boat Electrofishing, Crayfish Trapping
12-Aug	Lower Willamette	Boat Electrofishing, Crayfish Trapping
13-Aug	Lower Willamette	Boat Electrofishing, Crayfish Trapping
14-Aug	Lower Willamette	Boat Electrofishing, Crayfish Trapping
15-Aug	Lower Willamette	Boat Electrofishing, Crayfish Trapping
16-Aug	Lower Willamette	Boat Electrofishing, Crayfish Trapping
26-Aug	Lower Willamette	Boat Electrofishing
27-Aug	Lower Willamette	Boat Electrofishing, Crayfish Trapping
28-Aug	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Angling
29-Aug	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing
30-Aug	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing
3-Sep	Lower Willamette	Boat Electrofishing, Backpack E-fishing
4-Sep	Lower Willamette	Crayfish Trapping, Angling
5-Sep	Lower Willamette	Crayfish Trapping, Trot line
9-Sep	Lower Willamette	Boat Electrofishing
10-Sep	Lower Willamette	Boat Electrofishing, Crayfish Trapping
11-Sep	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Trot line

Table 2-1. Chronology of Field Operations.

Date	Site	Activity
12-Sep	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing
13-Sep	Lower Willamette	Boat Electrofishing, Crayfish Trapping
16-Sep	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line
17-Sep	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line
18-Sep	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line
19-Sep	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Angling
20-Sep	Lower Willamette	Crayfish Trapping, Angling, Trot line
23-Sep	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Trot line
24-Sep	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line
25-Sep	Lower Willamette	Crayfish Trapping, Backpack E-fishing, Trot line
26-Sep	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line
27-Sep	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line
30-Sep	Lower Willamette	Crayfish Trapping, Backpack E-fishing, Trot line
1-Oct	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line
2-Oct	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line
3-Oct	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line
4-Oct	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line
7-Oct	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line
8-Oct	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line
9-Oct	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line, Beach sediment collection
10-Oct	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Angling, Backpack E-fishing, Trot line, Beach sediment collection
11-Oct	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Angling, Backpack E-fishing, Trot line, Beach sediment collection
13-Oct	Lower Willamette	Crayfish Trapping
14-Oct	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line, Beach sediment collection
15-Oct	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line
16-Oct	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line, Co-located seciment collection
17-Oct	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line, Co-located seciment collection
18-Oct	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line, Co-located seciment collection
21-Oct	Lower Willamette	Beach Seining, Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line
22-Oct	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line, Co-located seciment collection, Benthos
23-Oct	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line, Co-located seciment collection, Benthos
24-Oct	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line, Co-located seciment collection, Benthos, Clam tissue
25-Oct	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Backpack E-fishing, Trot line, Co-located seciment collection, Channel Benthos
28-Oct	Lower Willamette	Beach seining, Boat Electrofishing, Crayfish Trapping, Angling, Backpack E-fishing, Trot line, Channel sediment collection
29-Oct	Lower Willamette	Beach seining, Boat Electrofishing, Crayfish Trapping, Angling, Backpack E-fishing, Trot line, Channel sediment, Clam tissue

Table 2-1. Chronology of Field Operations.

Date	Site	Activity
30-Oct	Lower Willamette	Beach seining, Boat Electrofishing, Crayfish Trapping, Angling, Backpack E-fishing, Trot line, Clam tissue collection
31-Oct	Lower Willamette	Beach seining, Boat Electrofishing, Angling, Backpack E-fishing, Trot line
1-Nov	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Angling, Backpack E-fishing, Trot line
4-Nov	Lower Willamette	Boat Electrofishing, Angling, Clam tissue collection
5-Nov	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Angling, Backpack E-fishing, Trot line, Clam tissue collection
6-Nov	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Trot line
7-Nov	Lower Willamette	Boat Electrofishing, Angling, Backpack E-fishing, Trot line
8-Nov	Lower Willamette	Boat Electrofishing, Crayfish Trapping, Angling, Trot line
9-Nov	Lower Willamette	Crayfish Trapping, Angling, Trot line
10-Nov	Lower Willamette	Crayfish Trapping, Trot line
12-Nov	Lower Willamette	Co-located sediment, clam tissue collection

Table 3-1. Field Operation Schedule For Round 1 Sediment, Benthic infauna, and Clam Tissue Collection, 2002.

Date	Site	Activity
October 10	Lower Willamette	Beach sediment collection
October 11	Lower Willamette	Beach sediment collection
October 14	Lower Willamette	Beach sediment collection
October 15	SEA Office, Olympia	Meeting of sampling team to discuss co-located sampling location, strategy
October 16	Lower Willamette	Co-located seciment collection
October 17	Lower Willamette	Co-located seciment collection
October 18	Lower Willamette	Co-located seciment collection
October 22	Lower Willamette	Co-located seciment collection, benthos
October 23	Lower Willamette	Co-located seciment collection, benthos
October 24	Lower Willamette	Co-located seciment collection, benthos, clam tissue collection
October 25	Lower Willamette	Channel benthos
October 28	Lower Willamette	Channel sediment
October 29	Lower Willamette	Channel sediment, clam tissue collection
October 30	Lower Willamette	Clam tissue collection
November 4	Lower Willamette	Clam tissue collection
Novermber 5	Lower Willamette	Clam tissue collection
Novermber 12	Lower Willamette	Co-located sediment, clam tissue collection

Table 3-2. Summary Of Sample Types Composited For Round 1 Sediment, Benthic Infauna, and Clam Tissue Collection, 2002.

Species[a]	Whole Body or Depth[b]	Station	Matrix	Type	Conventionals[1,2]	Metals[3,4]	PCB-Ar[5]	Pesticides[6]	SVOC[7]	PCB-cong[8]	Dioxins/Furans	TBT	Homogenization	Composite Sample ID	Notes
CA	WB	03R004	TS	ERA	■	■	■	■	□	□	□		■	LWG0103R004TSCAWBC00	27g
CA	WB	06R002	TS	ERA	■	■	■	■	□				■	LWG0106R002TSCAWBC00	
CA	WB	07R003	TS	ERA	■	■	■	■	□				■	LWG0107R003TSCAWBC00	Hold
CA	WB	07R006	TS	ERA	■	■	■	■	□				■	LWG0107R006TSCAWBC00	
S	015	EBBSD	SD	BEACH	■	■	■	■	■					EBBSD	
S	015	EBCLSD1	SD	COLOC	■	■	■	■	■	■	■			EBCLSD1	
S	015	EBCLSD2	SD	COLOC	■	■	■	■	■	■	■			EBCLSD2	
S	015	02R001	BN	BENTH										LWG0102R001BNS015S00	
S	015	02R001	SD	COLOC	■	■	■	■	■	■	■			LWG0102R001SDS015C00	
S	015	02R015	SD	COLOC	■	■	■	■	■					LWG0102R015SDS015C00	
S	015	03B030	SD	BEACH	■	■	■	■	■					LWG0103B030SDS015C00	
S	015	03B031	SD	BEACH	■	■	■	■	■					LWG0103B031SDS015C00	
S	015	03B033	SD	BEACH	■	■	■	■	■					LWG0103B033SDS015C00	
S	015	03R001	SD	COLOC	■	■	■	■	■					LWG0103R001SDS015C00	
S	015	03R002	SD	COLOC	■	■	■	■	■					LWG0103R002SDS015C00	
S	015	03R003	SD	COLOC	■	■	■	■	■	■	■			LWG0103R003SDS015C10	
S	015	03R003	SD	COLOC	■	■	■	■	■	□	□			LWG0103R003SDS015C20	
S	015	03R003	SD	COLOC	■	■	■	■	■	□	□			LWG0103R003SDS015C31	
S	015	03R003	SD	COLOC	■	■	■	■	■	□	□			LWG0103R003SDS015C32	
S	015	03R004	SD	COLOC	■	■	■	■	■	■	■	■		LWG0103R004SDS015C11	
S	015	03R004	SD	COLOC	■	■	■	■	■	□	□	■		LWG0103R004SDS015C12	
S	015	03R004	SD	COLOC	■	■	■	■	■	□	□	■		LWG0103R004SDS015C20	
S	015	03R004	SD	COLOC	■	■	■	■	■	□	□	■		LWG0103R004SDS015C30	
S	015	03R005	BN	BENTH										LWG0103R005BNS015S10	
S	015	03R005	BN	BENTH										LWG0103R005BNS015S20	

Table 3-2. Summary Of Sample Types Composited For Round 1 Sediment, Benthic Infauna, and Clam Tissue Collection, 2002.

Species[a]	Whole Body or Depth[b]	Station	Matrix	Type	Conventionals [1,2]	Metals [3,4]	PCB-Ar [5]	Pesticides [6]	SVOC [7]	PCB-cong [8]	Dioxins/Furans	TBT	Homogenization	Composite Sample ID	Notes
S	015	03R005	SD	COLOC	■	■	■	■	■	■	■	■		LWG0103R005SDS015C00	
S	015	03R032	SD	COLOC	■	■	■	■	■					LWG0103R032SDS015C00	
S	015	03R034	SD	COLOC	■	■	■	■	■	□	□			LWG0103R034SDS015C00	
S	015	03R040	BN	BENTH										LWG0103R040BNS015S00	
S	015	03R040	SD	SED	■	■	■	■	■					LWG0103R040SDS015C00	
S	015	03R041	BN	BENTH										LWG0103R041BNS015S00	
S	015	03R041	SD	SED	■	■	■	■	■					LWG0103R041SDS015C00	
S	015	04B023	SD	BEACH	■	■	■	■	■					LWG0104B023SDS015C00	
S	015	04B024	SD	BEACH	■	■	■	■	■					LWG0104B024SDS015C00	
S	015	04R002	SD	COLOC	■	■	■	■	■					LWG0104R002SDS015C00	
S	015	04R003	BN	BENTH										LWG0104R003BNS015S00	
S	015	04R003	SD	COLOC	■	■	■	■	■					LWG0104R003SDS015C00	
S	015	04R004	BN	BENTH										LWG0104R004BNS015S10	
S	015	04R004	BN	BENTH										LWG0104R004BNS015S20	
S	015	04R004	SD	COLOC	■	■	■	■	■					LWG0104R004SDS015C00	
S	015	05B018	SD	BEACH	■	■	■	■	■					LWG0105B018SDS015C00	
S	015	05B019	SD	BEACH	■	■	■	■	■					LWG0105B019SDS015C00	
S	015	05R001	SD	COLOC	■	■	■	■	■					LWG0105R001SDS015C00	
S	015	05R003	BN	BENTH										LWG0105R003BNS015S00	
S	015	05R003	SD	COLOC	■	■	■	■	■					LWG0105R003SDS015C00	
S	015	05R020	SD	COLOC	■	■	■	■	■					LWG0105R020SDS015C00	
S	015	05R040	BN	BENTH										LWG0105R040BNS015S00	
S	015	05R040	SD	SED	■	■	■	■	■					LWG0105R040SDS015C00	
S	015	05R041	BN	BENTH										LWG0105R041BNS015S00	
S	015	05R041	SD	SED	■	■	■	■	■					LWG0105R041SDS015C00	

Table 3-2. Summary Of Sample Types Composited For Round 1 Sediment, Benthic Infauna, and Clam Tissue Collection, 2002.

Species[a]	Whole Body or Depth[b]	Station	Matrix	Type	Conventionals[1,2]	Metals[3,4]	PCB-Ar[5]	Pesticides[6]	SVOC[7]	PCB-cong[8]	Dioxins/Furans	TBT	Homogenization	Composite Sample ID	Notes
S	015	06B022	SD	BEACH	■	■	■	■	■					LWG0106B022SDS015C00	
S	015	06B025	SD	BEACH	■	■	■	■	■					LWG0106B025SDS015C00	
S	015	06B026	SD	BEACH	■	■	■	■	■					LWG0106B026SDS015C00	
S	015	06B029	SD	BEACH	■	■	■	■	■					LWG0106B029SDS015C00	
S	015	06B030	SD	BEACH	■	■	■	■	■					LWG0106B030SDS015C00	
S	015	06R001	BN	BENTH										LWG0106R001BNS015S00	
S	015	06R001	SD	COLOC	■	■	■	■	■					LWG0106R001SDS015C00	
S	015	06R002	BN	BENTH										LWG0106R002BNS015S00	
S	015	06R002	SD	COLOC	■	■	■	■	■	■	■	■		LWG0106R002SDS015C10	
S	015	06R002	SD	COLOC	■	■	■	■	■	■	■	■		LWG0106R002SDS015C20	
S	015	06R002	SD	COLOC	■	■	■	■	■	■	■	■		LWG0106R002SDS015C31	
S	015	06R002	SD	COLOC	■	■	■	■	■	■	■	■		LWG0106R002SDS015C32	
S	015	06R004	SD	COLOC	■	■	■	■	■	■	■	■		LWG0106R004SDS015C00	
S	015	06R031	SD	COLOC	■	■	■	■	■					LWG0106R031SDS015C00	
S	015	06R040	BN	BENTH										LWG0106R040BNS015S00	
S	015	06R040	SD	SED	■	■	■	■	■					LWG0106R040SDS015C00	
S	015	07B022	SD	BEACH	■	■	■	■	■					LWG0107B022SDS015C00	
S	015	07B023	SD	BEACH	■	■	■	■	■					LWG0107B023SDS015C00	
S	015	07B024	SD	BEACH	■	■	■	■	■					LWG0107B024SDS015C00	
S	015	07R003	BN	BENTH										LWG0107R003BNS015S00	
S	015	07R003	SD	COLOC	■	■	■	■	■			■		LWG0107R003SDS015C00	
S	015	07R004	SD	COLOC	■	■	■	■	■					LWG0107R004SDS015C00	
S	015	07R006	SD	COLOC	■	■	■	■	■	■	■	■		LWG0107R006SDS015C00	
S	015	07R030	SD	SED	■	■	■	■	■					LWG0107R030SDS015C00	
S	015	07R040	BN	BENTH										LWG0107R040BNS015S00	

Table 3-2. Summary Of Sample Types Composited For Round 1 Sediment, Benthic Infauna, and Clam Tissue Collection, 2002.

Species[a]	Whole Body or Depth[b]	Station	Matrix	Type	Conventionals[1,2]	Metals[3,4]	PCB-Ar[5]	Pesticides[6]	SVOC[7]	PCB-cong[8]	Dioxins/Furans	TBT	Homogenization	Composite Sample ID	Notes
S	015	07R040	SD	SED	■	■	■	■	■					LWG0107R040SDS015C00	
S	015	08B032	SD	BEACH	■	■	■	■	■					LWG0108B032SDS015C00	
S	015	08R001	BN	BENTH										LWG0108R001BNS015S00	
S	015	08R001	SD	COLOC	■	■	■	■	■					LWG0108R001SDS015C00	
S	015	08R002	SD	COLOC	■	■	■	■	■					LWG0108R002SDS015C00	
S	015	08R003	BN	BENTH										LWG0108R003BNS015S00	
S	015	08R003	SD	COLOC	■	■	■	■	■	■	■			LWG0108R003SDS015C00	
S	015	08R040	BN	BENTH										LWG0108R040BNS015S00	
S	015	08R040	SD	SED	■	■	■	■	■					LWG0108R040SDS015C00	
S	015	08R041	BN	BENTH										LWG0108R041BNS015S00	
S	015	08R041	SD	SED	■	■	■	■	■					LWG0108R041SDS015C00	
S	015	09B024	SD	BEACH	■	■	■	■	■					LWG0109B024SDS015C00	
S	015	09B026	SD	BEACH	■	■	■	■	■					LWG0109B026SDS015C00	
S	015	09B027	SD	BEACH	■	■	■	■	■					LWG0109B027SDS015C10	
S	015	09B027	SD	BEACH	■	■	■	■	■					LWG0109B027SDS015C20	
S	015	09B027	SD	BEACH	■	■	■	■	■					LWG0109B027SDS015C31	
S	015	09B027	SD	BEACH	■	■	■	■	■					LWG0109B027SDS015C32	
S	015	09B028	SD	BEACH	■	■	■	■	■					LWG0109B028SDS015C00	
S	015	09R001	BN	BENTH										LWG0109R001BNS015S00	
S	015	09R001	SD	COLOC	■	■	■	■	■					LWG0109R001SDS015C10	
S	015	09R001	SD	COLOC	■	■	■	■	■					LWG0109R001SDS015C20	
S	015	09R001	SD	COLOC	■	■	■	■	■					LWG0109R001SDS015C31	
S	015	09R001	SD	COLOC	■	■	■	■	■					LWG0109R001SDS015C32	
S	015	09R002	BN	BENTH										LWG0109R002BNS015S00	
S	015	09R002	SD	COLOC	■	■	■	■	■	■	■			LWG0109R002SDS015C00	

Table 3-2. Summary Of Sample Types Composited For Round 1 Sediment, Benthic Infauna, and Clam Tissue Collection, 2002.

Species[a]	Whole Body or Depth[b]	Station	Matrix	Type	Conventionals[1,2]	Metals[3,4]	PCB-Ar[5]	Pesticides[6]	SVOC[7]	PCB-cong[8]	Dioxins/Furans	TBT	Homogenization	Composite Sample ID	Notes
S	015	09R040	BN	BENTH										LWG0109R040BNS015S00	
S	015	09R040	SD	SED	■	■	■	■	■					LWG0109R040SDS015C00	
S	015	09R041	BN	BENTH										LWG0109R041BNS015S00	
S	015	09R041	SD	SED	■	■	■	■	■					LWG0109R041SDS015C00	

□ = Analysis not yet approved

[a] = CA-Clam is an ERA Species

[b] = In the case of sediment this designates the surface/subsurface depth in cm

[1] = Conventionals in Sediment contain Total Solids, Grain Size, and Total Organic Carbon

[2] = Conventionals in Tissue contain Total Solids and Lipids

[3] = Metals for sediment contain Ag, Al, As, Cd, Cr, Cu, Ni, Pb, Sb, Se, Zn, and Hg

[4] = Metals for tissue contain Ag, Al, As, Cd, Cr, Cu, Mn, Ni, Pb, Sb, Se, Tl, Zn, and Hg

[5] = PCB-Ar sediment and tissue contain 1016, 1221, 1232, 1242, 1248, 1254, and 1260

[6] = Lipids are extracted and run with the Pesticides

[7] = Sediment and tissue full scan and SIMs LVI may be used to achieve project limits

[8] = BZ077, BZ105, BZ114, BZ118, BZ123, BZ126, BZ156, BZ157, BZ167, BZ169, BZ170, BZ180, and BZ189

Ar = Arochlors
BENTH = Benthic Infauna
BN = Benthic Taxonomy
BSD = Beach Sediment
BTS = Benthic Tissue
CA = Clam
COLOC = Co-located sediment with sculpin and crayfish
Cong = Congeners
EB = Equipment Blank (Rinsates)
EBBSD = Equipment Blank (Rinsates) for Beach Sediment
EBCLSD =Equipment Blank (Rinsates) for Co-located Sediment
TBT = Tributyltin
SVOC = Semivolatile Organic Compounds

Table 3-3. Summary of Collection Effort for the Clam *Corbicula fluminea*

Station	Approximate Total Tissue Weight Collected (g)	Sampling Date	Number of Grabs	Total Grabs per Station	Length of Sampling Time (hours)	Total Length of Time Sampling per Station (hours)
06R002		10/24/2002	28		1	
		10/29/2002	40		1 5	
		10/30/2002	81		2.5	
	260	11/4/2002	70	219	3	8
07R003		10/29/2002	91		2.5	
		10/30/2002	35		1	
		11/4/2002	15		1	
	53	11/5/2002	22	163	1	5.5
03R004	27	10/30/2002	71	71	1.5	1 5
07R006	160	11/12/2002	54	54	2	2
07R030*		10/30/2002	-	-	2	
		11/4/2002	-	-	1	
	14.5	11/5/2002	-	-	3	6

* Station 07R030 was sampled by walking the beach, see text

Table 5-1 Station by Station Fishing Effort and Catch.

Station	Activity	Days	Units Set	Seconds	Hours	Total # fish	BB	BC	CP	CR	LA	LS	NP	PM	SB	SC	SP	WE	YB
02R001	EF	1	1	1575	0.44	25											25		
	CT	6	6			8				8									
	TL	2	3			0													
	Total	10		1575	0.44	33				8							25		
02R015	EB	9	10	7771	2.16	25											25		
	CT	9	9			13				13									
	TL	1	1			0													
	Total	13		7771	2.16	38				13							25		
02R102	BS	3	9			15										15			
	Total	3				15										15			
02R112	BS	1	5			14										14			
	Total	1				14										14			
02R113	BS	3	5			15										15			
	Total	3				15										15			
03R001	EF	3	6	5829	1 62	16											16		
	EB	4	4	5603	1.56	13											13		
	Total	7		11432	3 18	29											29		
03R002	EF	5	11	3971	1.10	22											22		
	EB	9	10	12068	3.35	59											59		
	TL	1	1			2											2		
	Total	15		16039	4.46	83											83		
03R003	EF	3	4	2079	0.58	5											5		
	EB	3	3	1419	0 39	0													
	CT	5	5			27				27									
	TL	1	1			0													
	Total	12		3498	0 97	32				27							5		
03R004	EF	2	3	1767	0 49	17											17		

Table 5-1 Station by Station Fishing Effort and Catch.

Station	Activity	Days	Units Set	Seconds	Hours	Total # fish	BB	BC	CP	CR	LA	LS	NP	PM	SB	SC	SP	WE	YB
	EB	6	7	7567	2.10	44				1							43		
	AG	1				0													
	CT	16	17			15				15									
	TL	3	3			0													
	Total	28		9334	2.59	76				16							60		
03R005	EF	4	5	3802	1.06	0													
	EB	4	4	1237	0.34	0													
	AG	1	2			0													
	CT	10	12			9				9									
	TL	16	30			17											17		
	Total	35		5039	1 40	26				9							17		
03R008	CT	9	9			17				17									
	Total	9				17				17									
03R009	CT	8	9			21				21									
	Total	8				21				21									
03R014	EF	3	13	6210	1 73	37						10	13		14				
	BS	4	42			5								5					
	Total	7		6210	1 73	42						10	13	5	14				
03R032	EB	12	12	11741	3 26	40											40		
	CT	1	1			19				19									
	Total	13		11741	3.26	59				19							40		
03R034	EF	1	1	1878	0.52	16											16		
	EB	1	1	383	3 26	12											12		
	Total	2		2261	3.78	28											28		
03R118	BS	1	2			11										11			
	Total	1				11										11			
03R125	BS	1	1			13										13			
	Total	1				13										13			

Table 5-1 Station by Station Fishing Effort and Catch.

Station	Activity	Days	Units Set	Seconds	Hours	Total # fish	BB	BC	CP	CR	LA	LS	NP	PM	SB	SC	SP	WE	YB
04R002	EF	1	2	1300	0.36	0													
	EB	8	8	5617	1.56	23											23		
	CT	8	9			18				18									
	TL	2	2			0													
	Total	19		6917	1.92	41				18							23		
04R003	EF	2	3	5154	1 43	22											22		
	EB	13	13	9461	2 63	23											23		
	CT	4	4			8				8									
	TL	5	6			3											3		
	Total	24		14615	4.06	56				8							48		
04R004	EF	5	6	4764	1.32	10					1						9		
	EB	15	15	12007	3 34	11				1							10		
	CT	11	11			20				20									
	TL	1	1			7											7		
	Total	32		16771	4.66	48				21	1						26		
04R023	EF	11	85	51670	14.35	17							1		16				
	AG	3	3			0													
	TL	3	5			1								1					
	Total	17		51670	14 35	18							1	1	16				
04R126	BS	1	1			12										12			
	Total	1				12										12			
05R001	EF	1	2	1735	0.48	22											22		
	EB	1	1	179	0.05	2											2		
	CT	6	6			16				16									

Table 5-1 Station by Station Fishing Effort and Catch.

Station	Activity	Days	Units Set	Seconds	Hours	Total # fish	BB	BC	CP	CR	LA	LS	NP	PM	SB	SC	SP	WE	YB
	Total	8		1914	0.53	40				16							24		
05R003	CT	4	7			9				9									
	Total	4				9				9									
05R006	EF	17	66	56606	15.72	26						7	4	5	10				
	BS	3	6			0													
	TL	1	1			2							1	1					
	Total	21		56606	15.72	28						7	5	6	10				
05R020	EF	1	2	2800	0 78	21											21		
	EB	10	10	8119	2 26	37											37		
	Total	11		10919	3 03	58											58		
06R001	EF	2	4	2774	0 77	11											11		
	EB	9	11	2706	0.75	10											10		
	CT	17	20			14				14									
	TL	1	1			1											1		
	Total	29		5480	1 52	36				14							22		
06R002	EF	2	3	3070	0 85	21											21		
	EB			4514	1 25	30											30		
	CT	3	5			29				29									
	Total	5		7584	2.11	80				29							51		
06R004	EB	4	4	2739	0.76	25											25		
	CT	6	6			26				26									
	Total	10		2739	0 76	51				26							25		

Table 5-1 Station by Station Fishing Effort and Catch.

Station	Activity	Days	Units Set	Seconds	Hours	Total # fish	BB	BC	CP	CR	LA	LS	NP	PM	SB	SC	SP	WE	YB
06R024	EF	8	44	24031	6 68	5							1		4				
	AG	1	1			0													
	TL	1	1			1							1						
	Total	10		24031	6.68	6							2		4				
07R001	EF	2	2	1480	0.41	2											2		
	Total	2		1480	0.41	2											2		
07R002	EF	5	6	6500	1.81	24					2						22		
	CT	1	1			1											1		
	TL	3	3			0													
	Total	9		6500	1 81	25					2						23		
07R003	EF	2	3	1677	0.47	8											8		
	EB	11	11	9402	2.61	5											5		
	CT	6	7			9				9									
	TL	2	4			6											6		
	Total	21		11079	3.08	28				9							19		
07R004	CT	8	9			9				9									
	Total	8				9				9									
07R006	EF	1	1	8718	2 42	0													
	EB	1	1	1776	0.49	1											1		
	CT	3	3			14				12							2		
	TL	3	4			12											12		
	Total	8		10494	2 92	27				12							15		

Table 5-1 Station by Station Fishing Effort and Catch.

Station	Activity	Days	Units Set	Seconds	Hours	Total # fish	BB	BC	CP	CR	LA	LS	NP	PM	SB	SC	SP	WE	YB
07R009	EF	8	19	21580	5.99	28						7	3	3	15				
	BS	4	19			0													
	TL	2	2			4							3	1					
	Total	14		21580	5 99	32						7	6	4	15				
08R001	EF	3	5	4646	1 29	25											25		
	EB	5	6	4260	1.18	31				2							29		
	CT	17	24			15				15									
	TL	1	1			0													
	Total	26		8906	2 47	71				17							54		
08R002	EF	1	3	2783	0 77	14											14		
	EB	5	5	6968	1 94	27											27		
	CT	17	18			21				21									
	TL	1	1			0													
	Total	24		9751	2 71	62				21							41		
08R003	EF	2	4	3476	0.97	24											24		
	EB	3	15	12567	3 49	16				4							12		
	CT	21	23			29				29									
	TL	8	8			11											11		
	Total	34		16043	4.46	80				33							47		
08R010	EF	27	145	83485	23 19	30						7	3	6	14				
	BS	3	7			0													
	AG	4	5			0													
	TL	5	10			1								1					
	Total	39		83485	23 19	31						7	3	7	14				

Table 5-1 Station by Station Fishing Effort and Catch.

Station	Activity	Days	Units Set	Seconds	Hours	Total # fish	BB	BC	CP	CR	LA	LS	NP	PM	SB	SC	SP	WE	YB
08R032	EF	2	4	4867	1.35	10									10				
	AG	1	1			0													
	TL	1	1			1							1						
	Total	4		4867	1.35	11							1		10				
09R001	EF	4	5	5520	1 53	10											10		
	EB	9	11	11943	3 32	32				1							31		
	CT	9	9			25				25									
	TL	2	2			2											2		
	Total	24		17463	4.85	69				26							43		
09R002	EF	1	1	1935	0.54	21											21		
	EB	1	1	600	0.17	7											7		
	CT	2	2			0													
	Total	4		2535	0.70	28											28		
09R003	CT	12	12			22				22									
	TL	3	3			1				1									
	Total	15				23				23									
09R006	EF	11	64	33923	9 42	32						18	1	7	6				
	TL	3	5			4							3		1				
	Total	14		33923	9.42	36						18	4	7	7				
20R001	EF	15	312	154596	42.94	62			17			30	1		14				
	TL	7	33			18	12		1				3		2				
	Total	22		154596	42.94	80	12		18			30	4		16				
26R111	DN	1	1			12										12			
	Total	1				12										12			

Table 5-1 Station by Station Fishing Effort and Catch.

Station	Activity	Days	Units Set	Seconds	Hours	Total # fish	BB	BC	CP	CR	LA	LS	NP	PM	SB	SC	SP	WE	YB
28R001	EB	1	1	378	0.11	0													
	BS	1	6			0													
	TL	12	118			70	8					13	23		17				9
	Total	14		378	0.11	70	8					13	23		17				9
FZ0306	EF	5	12	14532	4.04	85	3	2	32			45						2	1
	AG	4	21			13		13											
	CT	1	1			1													1
	TL	22	56			42	27	8											7
	Total	32		14532	4 04	141	30	23	32			45						2	9
FZ0609	EF	4	9	13669	3.80	85	3	2	46			34							
	AG	6	21			17		17											
	TL	23	55			46	31	6											9
	Total	33		13669	3.80	148	34	25	46			34							9

Note EF = boat electrofishing, EB = backpack electrofishing, AG = angling, CT = crayfish trap, TL = trot line, DN = dip net

Table 5-2. List of Participants During Round 1A and Round 1 of Fish Tissue Collection.

Consultants	Initials Used in Report/Field Notebooks
Anchor Environmental LLC	
Timothy Stone	TSt
Alicia Wick	AW
Elizabeth Appy	EA
Ellis Environmental Services	
Robert Ellis	BE
Joseph Krieter	JK
Belus Schoneck	BS
Peter Kaczynski	PK
Andrew Clodfelter	AC
Gwen Alley	GA
Caleb Houck	CH
Larry Ellis	LE
Timothy Klink	TK
Fishman Environmental Services	
Steve Novotny	SN
Elizabeth French	EF
Steve Johnson	SJ
Laurie Wyatt	LW
Jonas Moiel	JM
Paul Fishman	PF
Kim Gould	KG
Johndavid Storn	JS
Jones & Stokes	
Glen Mejia	GM
April Zohn	AZ
Sloan Gordon	SG
Erin Vanderhey	EV
Kennedy/Jenks Consultants	
Brian Timmins	BT
John DeLorie	JD
Michael Godinho	MG
Zachary Sprute	ZS
Don Zilstra	DZ
Shane Scrimshire	SS
Shayne Pasek	SPk
Deonne Knill	DK
Striplin Environmental Associates, Inc.	
Ian Stupakoff	IS
Tom Schulz	TS
Janet Cloutier	JCl
Windward Environmental LLC	
Robert Complita	BC
Jenee Colton	JC
Joanna Florer	JF
Shannon Pierce	SP
Matt Luxon	ML
Dereck Pelletier	DP
Mariah Meek	MM

Table 5-3. Color Coding Scheme for Storage of Fish Samples.

ERA	
Crayfish	Grey/Green/Red
Lamprey ammocoetes	Grey/Yellow/Grey
Largescale sucker	Grey/Red/Grey
Peamouth	Grey/Green
Sculpin	Grey/Red
Smallmouth bass	Yellow
Northern pikeminnow	Grey/Green/Grey
Benthic invertebrates	Grey/Yellow/Red

HHRA	
Bullhead	Green
Black crappie	Grey
Smallmouth bass	Yellow
Common carp	Red
Walleye	Green/Grey
Largescale sucker	Red/Grey

Figures

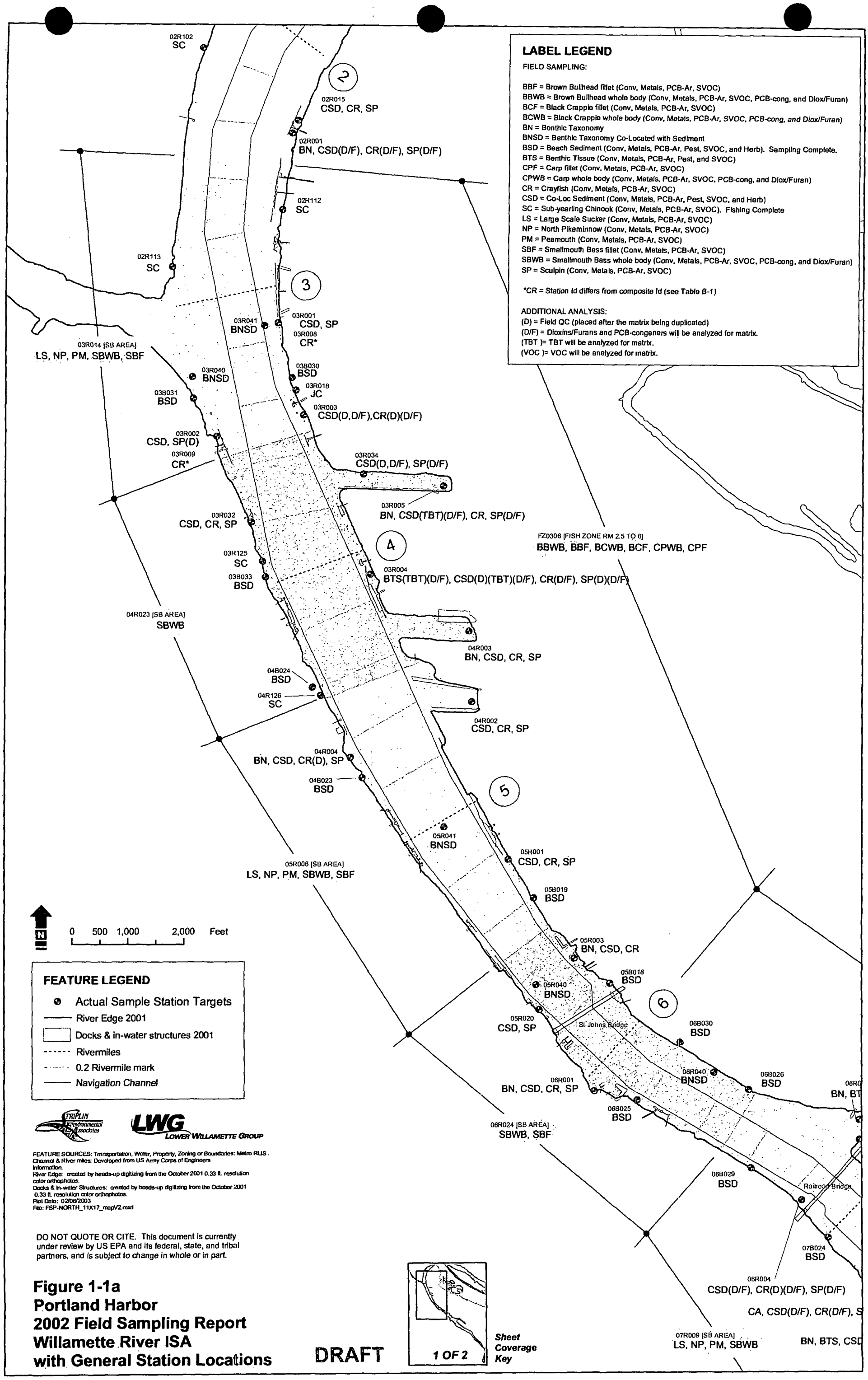

Figure 1-1a
Portland Harbor
2002 Field Sampling Report
Willamette River ISA
with General Station Locations

LABEL LEGEND

FIELD SAMPLING:

BBF = Brown Bullhead fillet (Conv, Metals, PCB-Ar, SVOC)
BBWB = Brown Bullhead whole body (Conv, Metals, PCB-Ar, SVOC, PCB-cong, and Diox/Furan)
BCF = Black Crappie fillet (Conv, Metals, PCB-Ar, SVOC)
BCWB = Black Crappie whole body (Conv, Metals, PCB-Ar, SVOC, PCB-cong, and Diox/Furan)
BN = Benthic Taxonomy
BNSD = Benthic Taxonomy Co-Located with Sediment
BSD = Beach Sediment (Conv, Metals, PCB-Ar, Pest, SVOC, and Herb). Sampling Complete.
BTS = Benthic Tissue (Conv, Metals, PCB-Ar, Pest, and SVOC)
CPF = Carp fillet (Conv, Metals, PCB-Ar, SVOC)
CPWB = Carp whole body (Conv, Metals, PCB-Ar, SVOC, PCB-cong, and Diox/Furan)
CR = Crayfish (Conv, Metals, PCB-Ar, SVOC)
CSD = Co-Loc Sediment (Conv, Metals, PCB-Ar, Pest, SVOC, and Herb)
SC = Sub-yearling Chinook (Conv, Metals, PCB-Ar, SVOC). Fishing Complete
LS = Large Scale Sucker (Conv, Metals, PCB-Ar, SVOC)
NP = North Pikeminnow (Conv, Metals, PCB-Ar, SVOC)
PM = Peamouth (Conv, Metals, PCB-Ar, SVOC)
SBF = Smallmouth Bass fillet (Conv, Metals, PCB-Ar, SVOC)
SBWB = Smallmouth Bass whole body (Conv, Metals, PCB-Ar, SVOC, PCB-cong, and Diox/Furan)
SP = Sculpin (Conv, Metals, PCB-Ar, SVOC)

*CR = Station Id differs from composite Id (see Table B-1)

ADDITIONAL ANALYSIS:
(D) = Field QC (placed after the matrix being duplicated)
(D/F) = Dioxins/Furans and PCB-congeners will be analyzed for matrix.
(TBT)= TBT will be analyzed for matrix.
(VOC)= VOC will be analyzed for matrix.

06B030 BSD
06R040 BNSD
06B026 BSD
06R002 BN, BTS, CSD(D)(D/F), CR* (D/F), SP(D)(D/F)
06B022 BSD
06R031 CSD (TBT)
FZ0609 [FISH ZONE RM 6 TO 9] BBWB,BBF,BCWB,BCF,CPWB,CPF
06B029 BSD
Railroad Bridge
07R002 SP
07R004 CSD, CR
07B024 BSD
06R004 CSD(D/F), CR(D)(D/F), SP(D/F)
07R006 CA, CSD(D/F), CR(D/F), SP(D/F)
07R009 [SB AREA] LS, NP, PM, SBWB
07R003 BN, BTS, CSD, CR, SP
07R030 CA, CSD
07B022 BSD
07B023 BSD
08R040 BNSD
08R010 [SB AREA] LS, NP, PM, SBWB
07R040 BNSD
08R003 BN, CSD(D/F), CR(D/F), SP(D/F)
08B032 BSD
08R002 CSD, CR, SP
09B028 BSD
09R001 BN, CSD(D), CR(D), SP
09B024 BSD
08R032 [SB AREA] SBWB, SBF
08R001 BN, CSD(VOC), CR, SP
08R041 BNSD
09B026 BSD
09B027 BSD(D)
09R041 BNSD
09R040 BNSD
09R006 [SB AREA] LS, NP, PM, SBWB, SBF
09R002 BN, CSD(D/F), SP
09R003 CR*

0 500 1,000 2,000 Feet

FEATURE LEGEND

- Actual Sample Station Targets
- River Edge 2001
- Docks & in-water structures 2001
- Rivermiles
- 0.2 Rivermile mark
- Navigation Channel

TRIPLIN Environmental Associates

LWG LOWER WILLAMETTE GROUP

FEATURE SOURCES: Transportation, Water, Property, Zoning or Boundaries: Metro RLIS.
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Docks & in-water Structures: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Plot Date: 02/06/2003
File: FSP-NORTH_11X17_mapV2.mxd

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Figure 1-1b
Portland Harbor
2002 Field Sampling Report
Willamette River ISA
with General Station Locations

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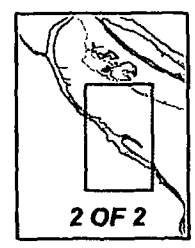
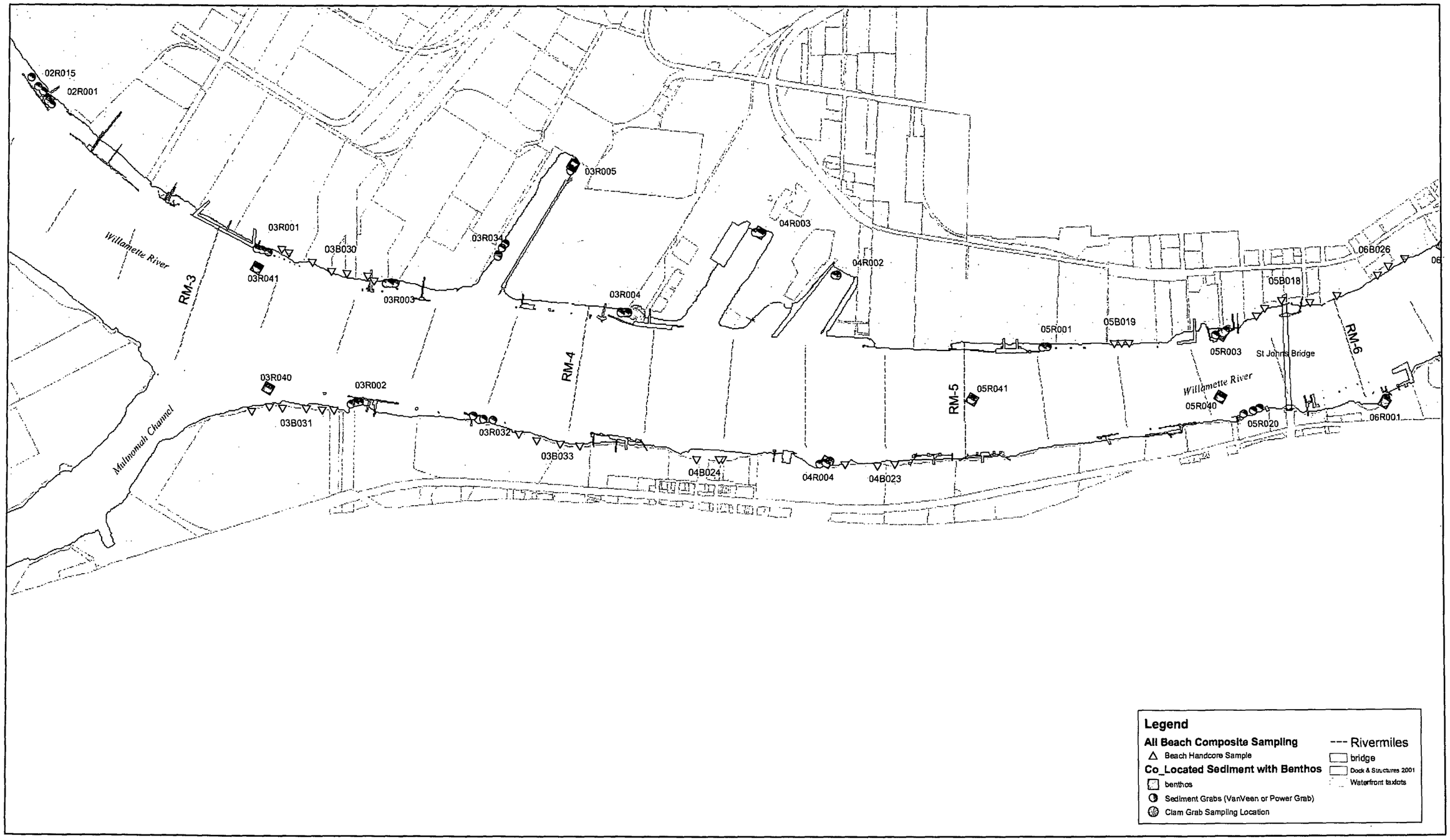
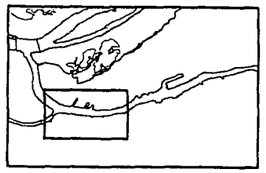


Sheet Coverage Key





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0 500 1,000 2,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS .
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Sediment Locations: GPS Navigation Files from DEA, MSS & FES

File name: \Final_sediment_tissue_benthos_1216.mxd
Map Date: 02/05/2003

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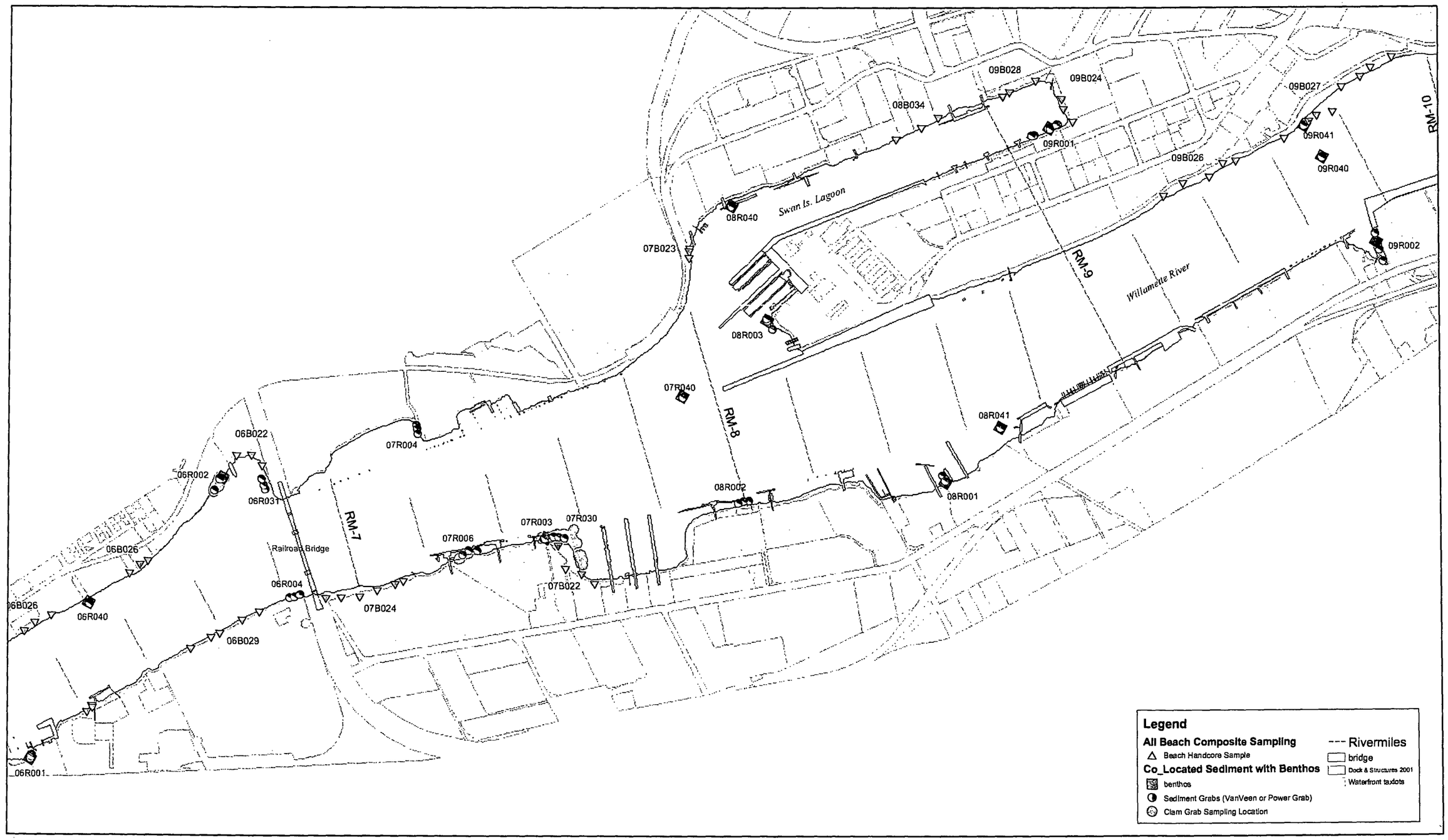
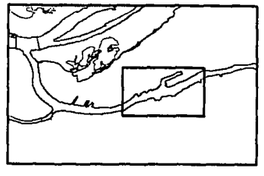
Figure 3-1a
Portland Harbor
2002 Field Sampling Report
Sediment Composite, Benthos, Clams, and Beach Composite Actual Sampling Locations





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0 500 1,000 2,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS .
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Sediment Locations: GPS Navigation Files from DEA, MSS & FES

File name: \Final_sediment_tissue_benthos_1216.mxd
Map Date: 02/05/2003

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Figure 3-1b
Portland Harbor
2002 Field Sampling Report
Sediment Composite, Benthos, Clams, and Beach Composite Actual Sampling Locations

RM-2

02R015
Crayfish
Sculpin

02R001
Crayfish
Lamprey
Sculpin

02R102 Chinook

02R112 Chinook

03R005
Crayfish
Lamprey
Sculpin

03R008*03R001
Crayfish Lamprey
Sculpin

03R034
Sculpin

03R003
Crayfish
Lamprey
Sculpin

03R118 Chinook

Willamette River

RM-3

02R113 Chinook

03R014
Largescale Sucker
Smallmouth Bass
Peamouth
Northern Pikeminnow

RM-4

Multnomah Channel

03R009*
Crayfish
03R002
Lamprey
Sculpin

03R032
Sculpin
Crayfish

03R125 Chinook

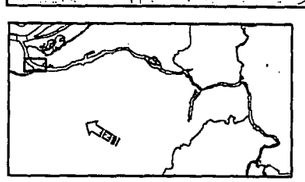
Legend

Method

- Angling
- Beach Seine
- Crayfish Trap
- Dip Net
- Electro Fishing Backpack
- Electro Fishing Boat Point
- Trot Line

- Actual Target Locations
- dock-structures-2001
- RiverEdgePoly_2001
- TAXLOTS

Lines Represent Boat Electro Fishing Events after 9/22/02. Prior to that they were only collected as GPS points.



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Tetra Tech/KCM Environmental Associates

0 250 500 1,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS.
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Effort Data: Table B-2: Fish Catch Coordinate Table.
* Field Station Label Ids differ from Composite Label Ids, see Table B-1.

File Name: \Final_Fish_Effort_1216_UP.mxd

Map Date: 02/04/2003

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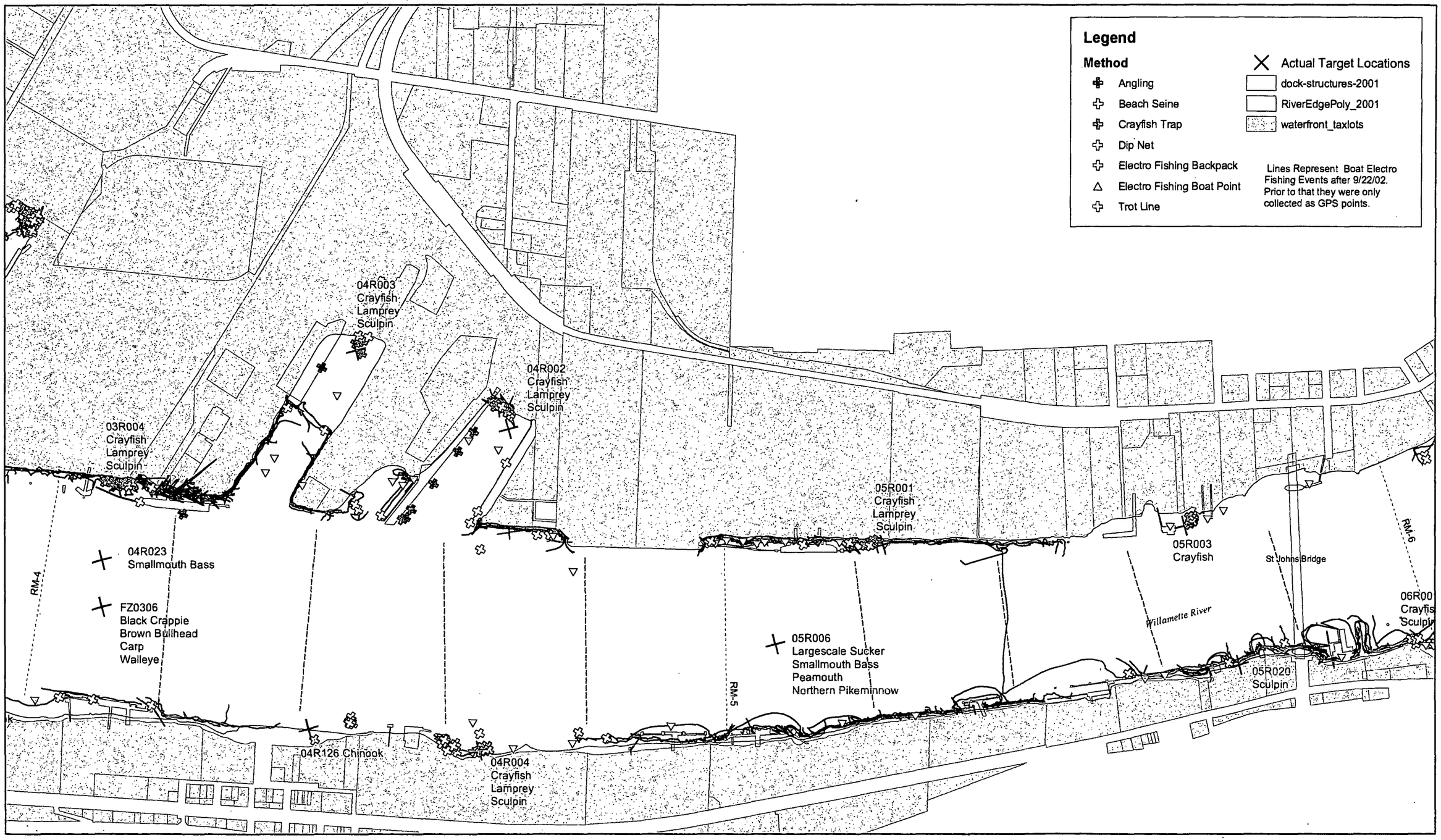
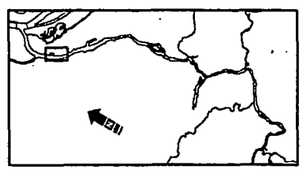
Figure 5-1a
Portland Harbor
2002 Field Sampling Report
Fishing Efforts RM 2 to 4





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0 250 500 1,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS .
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Effort Data: Table B-2: Fish Catch Coordinate Table.
* Field Station Label Ids differ from Composite Label Ids, see Table B-1.

File Name: \Final_Fish_Effort_1216_UP.mxd

Map Date: 02/04/2003

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Figure 5-1b
Portland Harbor
2002 Field Sampling Report
Fishing Efforts RM 4 to 6

08R003
Crayfish
Lamprey
Sculpin

RM-8

08R032
Smallmouth

FZ0609
Black Crappie
Brown Bullhead
Carp
Walleye

08R002
Crayfish
Sculpin

07R002
Lamprey
Sculpin

06R002*
Crayfish
Lamprey
Sculpin

07R004
Crayfish

RM-7

07R009
Largescale Sucker
Smallmouth Bass
Peamouth
Northern Pikeminnow

Railroad Bridge

07R003
Crayfish
Lamprey
Sculpin

07R006
Crayfish
Sculpin

07R001
Lamprey
Sculpin

06R004
Crayfish
Sculpin

06R024
Smallmouth Bass

RM-6

06R001
Crayfish
Sculpin

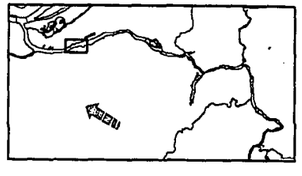
Legend

Method

- Angling
- Beach Seine
- Crayfish Trap
- Dip Net
- Electro Fishing Backpack
- Electro Fishing Boat Point
- Trot Line

- Actual Target Locations
- dock-structures-2001
- RiverEdgePoly_2001
- waterfront_taxlots

Lines Represent Boat Electro Fishing Events after 9/22/02. Prior to that they were only collected as GPS points.



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Lower Willamette Group

Triplin Environmental Associates

0 250 500 1,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS .
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Effort Data: Table B-2: Fish Catch Coordinate Table.
* Field Station Label Ids differ from Composite Label Ids, see Table B-1.

File Name: \Final_Fish_Effort_1216_UP.mxd

Map Date: 02/04/2003

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Figure 5-1c
Portland Harbor
2002 Field Sampling Report
Fishing Efforts RM 6 to 8

09R001
Crayfish
Lamprey
Sculpin

Swan Is. Lagoon

08R010
Largescale Sucker
Smallmouth Bass
Peamouth
Northern Pikeminnow

09R003* Crayfish
09R002
Lamprey
Sculpin

Willamette River

09R006
Largescale Sucker
Smallmouth Bass
Peamouth
Northern Pikeminnow

RM-10

RM-9

08R003
Crayfish
Lamprey
Sculpin

RM-8

08R032
Smallmouth Bass

Z0609
lack Crappie
rown Bullhead
arp
Valleye

08R002
Crayfish
Sculpin

08R001
Crayfish
Lamprey
Sculpin

Legend

Method

- Angling
- Beach Seine
- Crayfish Trap
- Dip Net
- Electro Fishing Backpack
- Electro Fishing Boat Point
- Trot Line

- Actual Target Locations
- dock-structures-2001
- RiverEdgePoly_2001
- waterfront_taxlots

Lines Represent Boat Electro Fishing Events after 9/22/02. Prior to that they were only collected as GPS points.

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0 250 500 1,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS .
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Effort Data: Table B-2: Fish Catch Coordinate Table.
* Field Station Label Ids differ from Composite Label Ids, see Table B-1.

File Name: \Final_Fish_Effort_1216_UP.mxd

Map Date: 02/04/2003

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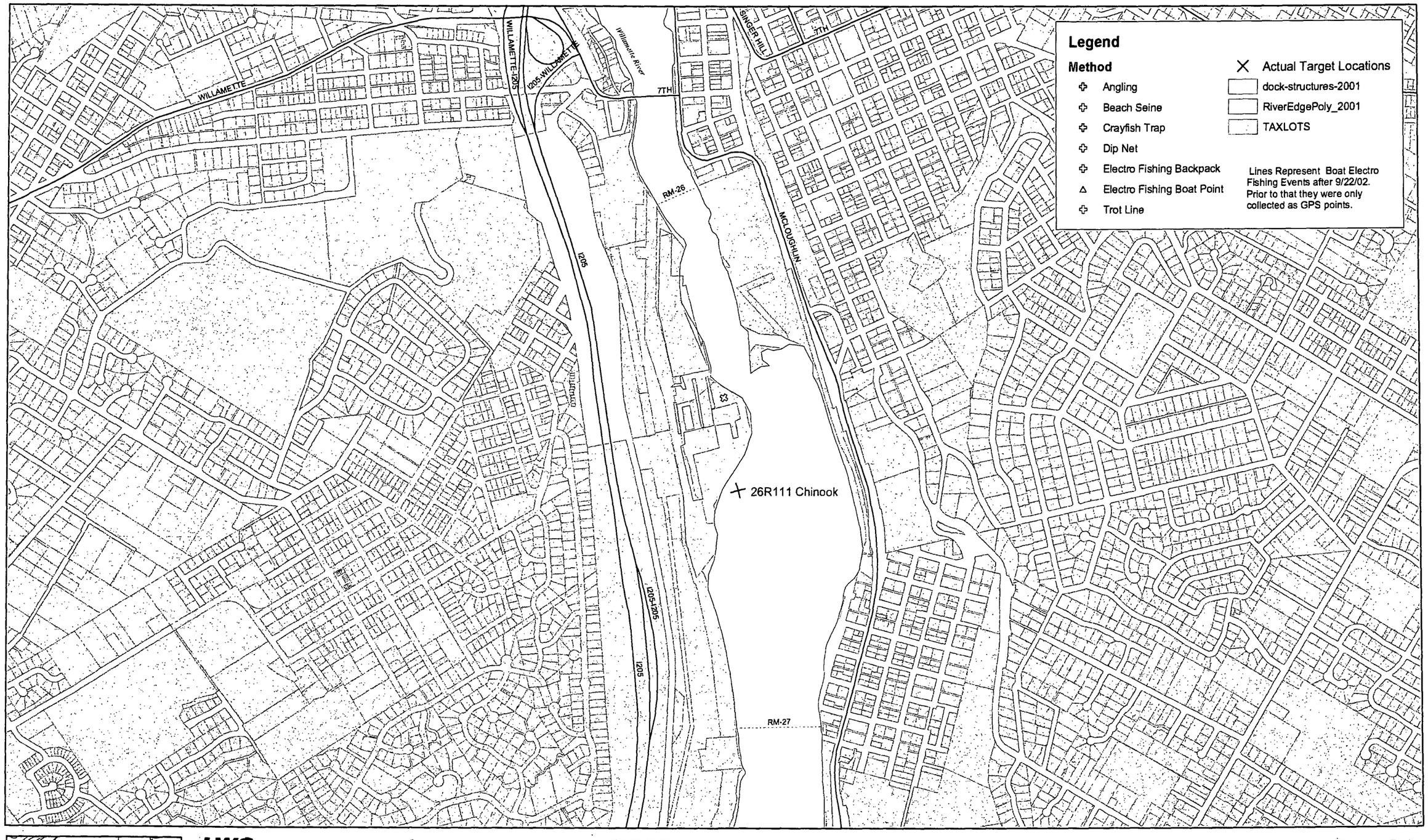
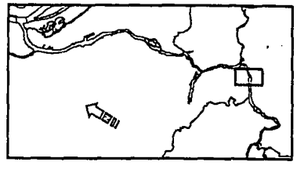
Figure 5-1d
Portland Harbor
2002 Field Sampling Report
Fishing Efforts RM 8 to 10





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0 250 500 1,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS .
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Effort Data: Table B-2: Fish Catch Coordinate Table.
* Field Station Label Ids differ from Composite Label Ids, see Table B-1.

File Name: \Final_Fish_Effort_1216_UP.mxd

Map Date: 02/04/2003

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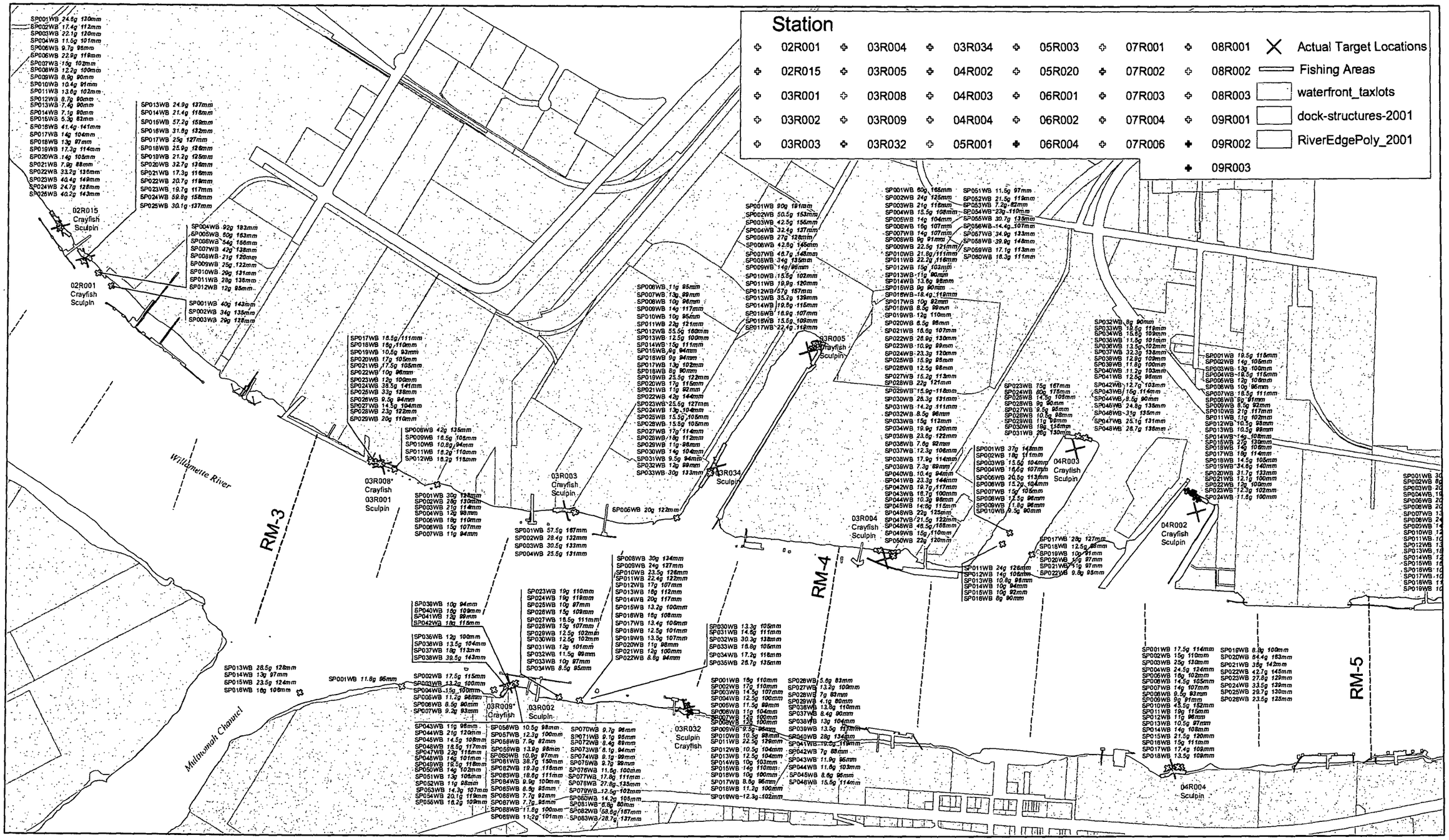
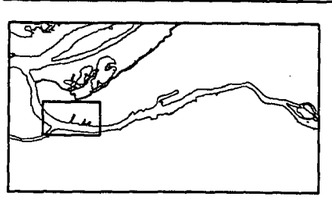
Figure 5-1e
Portland Harbor
2002 Field Sampling Report
Fishing Efforts RM 26





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TRIPLIN Environmental Associates

0 250 500 1,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS.
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Data: Table B-1: Fish Tissue Data Master Table.
* Field Station Label Ids differ from Composite Label Ids, see Table B-1.

File Name: Final_Sculpin_1216.mxd

Map Date: 02/03/2003

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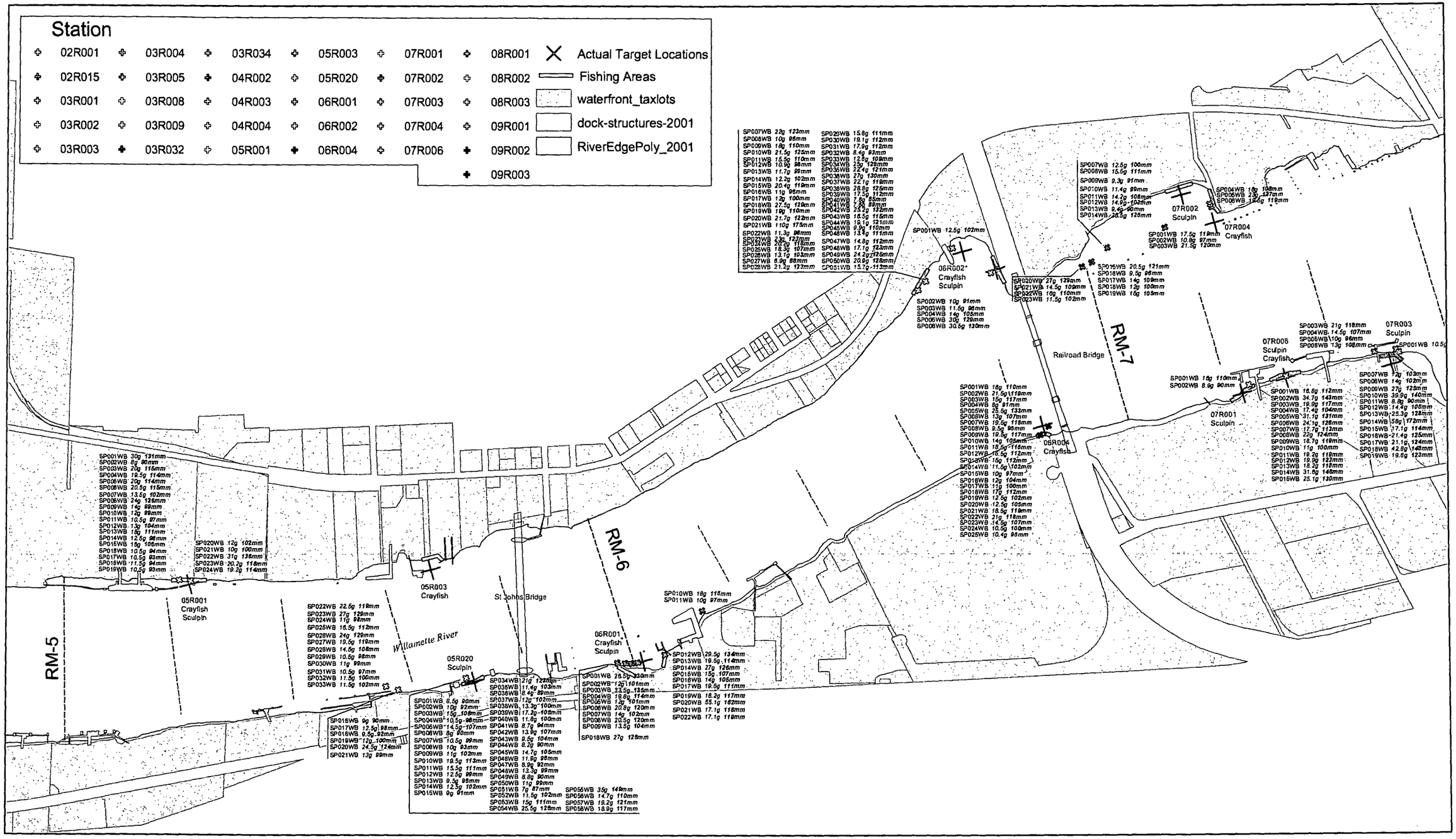
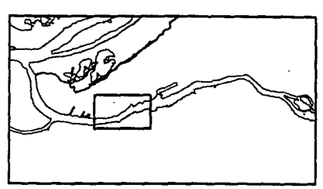
Figure 5-2a
Portland Harbor
2002 Field Sampling Report
Sculpin
with Weight (g) & Length (mm)





LWG Lower Willamette Group

Triplin Environmental Associates

0 250 500 1,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS .
Channel & River miles: Developed from US Army Corps of Engineers Information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Data: Table B-1: Fish Tissue Data Master Table.
* Field Station Label Ids differ from Composite Label Ids, see Table B-1.

File Name: Final_Sculpin_1216.mxd

Map Date: 02/03/2003

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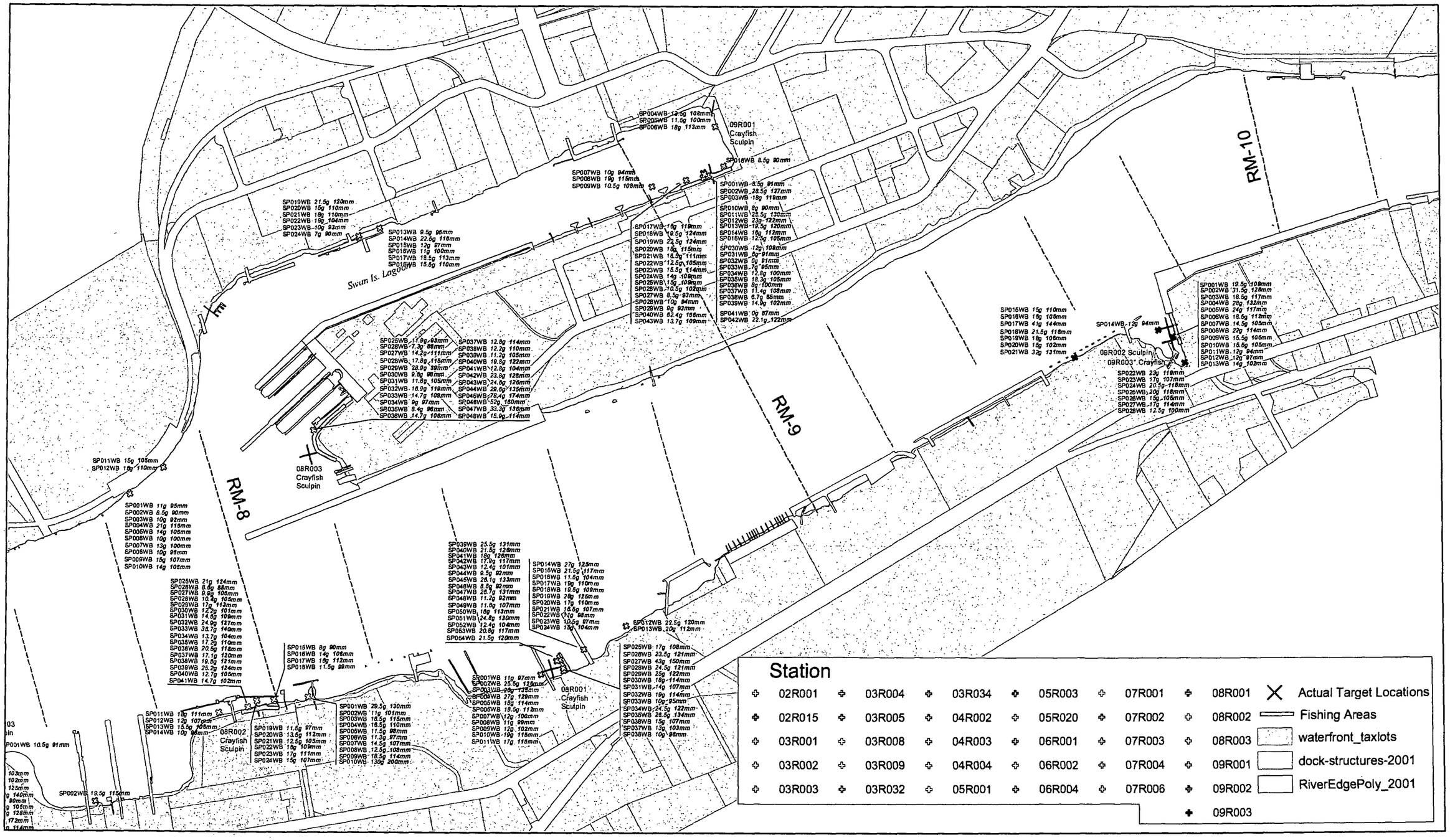
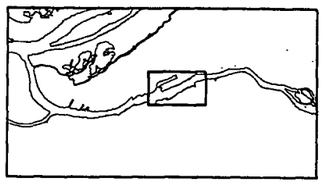
Figure 5-2b
Portland Harbor
2002 Field Sampling Report
Sculpin
with Weight (g) & Length (mm)





LWG Lower Willamette Group

Triplin Environmental Associates

0 250 500 1,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS.
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Data: Table B-1: Fish Tissue Data Master Table.
* Field Station Label Ids differ from Composite Label Ids, see Table B-1.

File Name: Final_Sculpin_1216.mxd

Map Date: 02/03/2003

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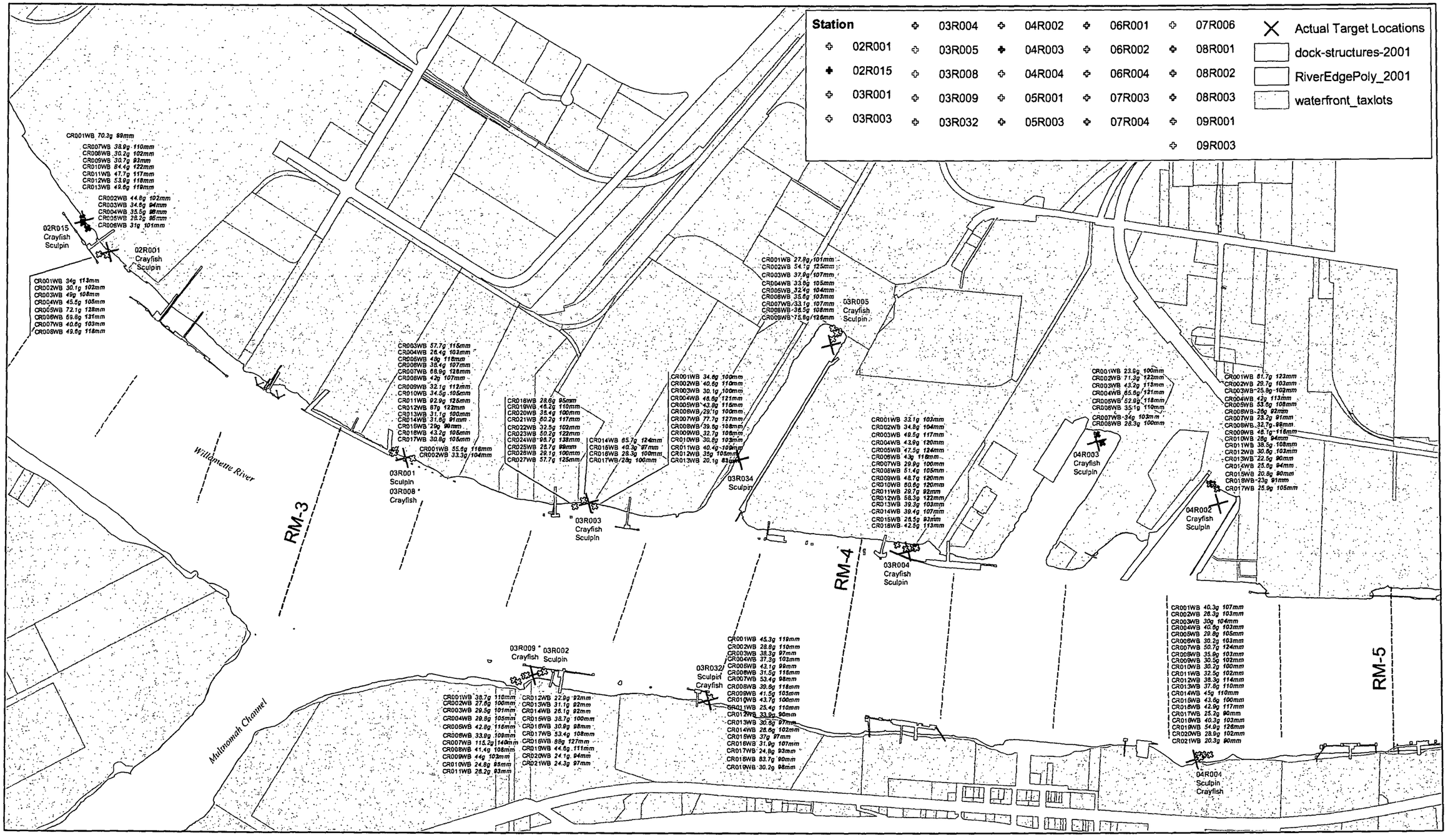
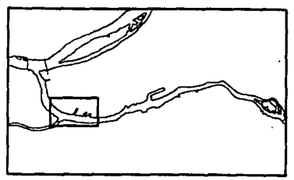
Figure 5-2c
Portland Harbor
2002 Field Sampling Report
Sculpin
with Weight (g) & Length (mm)





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Triplin Environmental Associates

0 250 500 1,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS .
Channel & River miles: Developed from US Army Corps of Engineers Information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Data: Table B-1: Fish Tissue Data Master Table.
* Field Station Label Ids differ from Composite Label Ids, see Table B-1.
File Name: Crayfish_Final.mxd
Map Date: 02/03/2003

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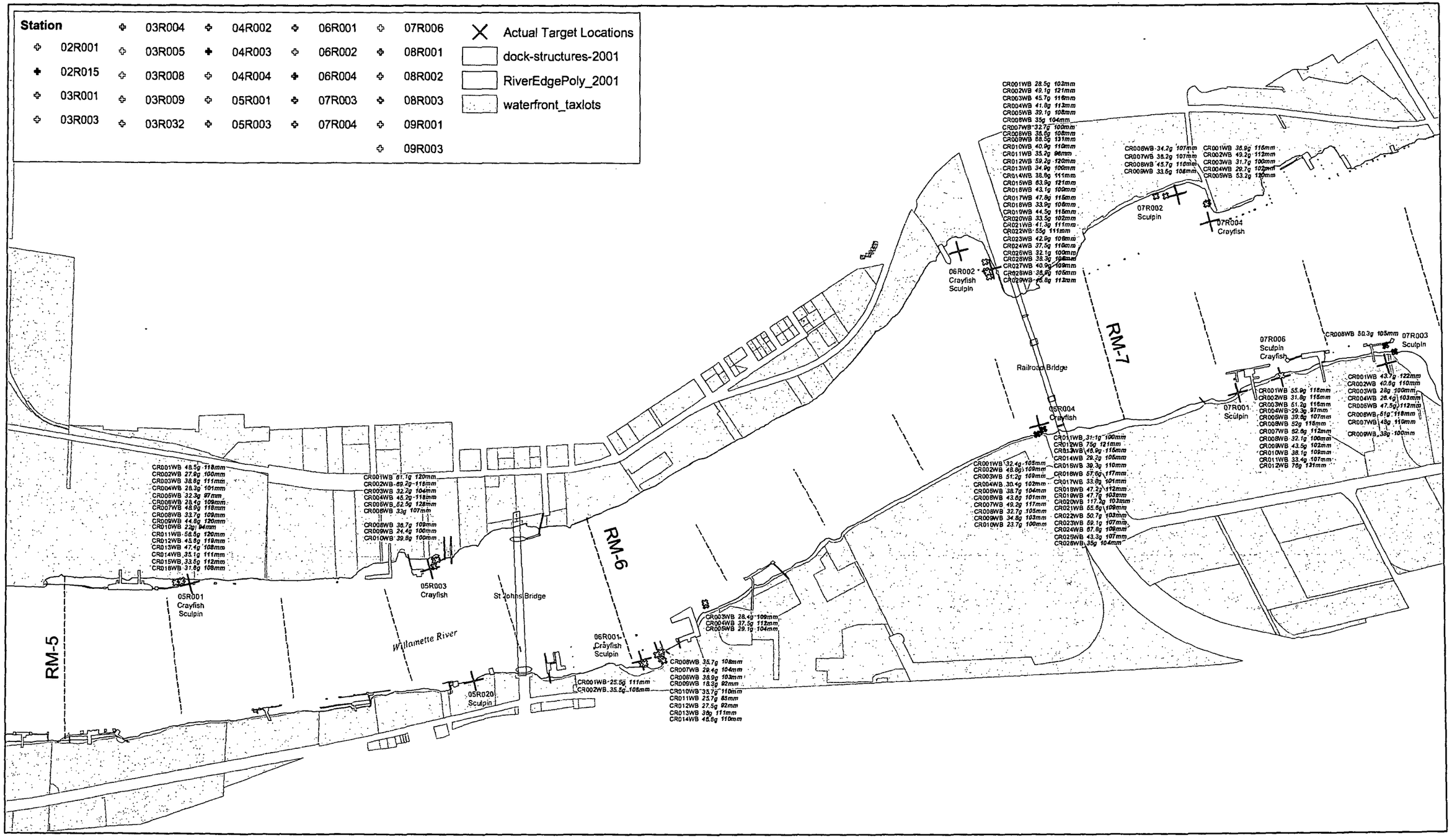
Figure 5-3a
Portland Harbor
2002 Field Sampling Report
Crayfish
with Weight (g) & Length (mm)



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0 250 500 1,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS .
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Data: Table B-1: Fish Tissue Data Master Table.
* Field Station Label Ids differ from Composite Label Ids, see Table B-1.
File Name: Crayfish_Final.mxd
Map Date: 02/03/2003

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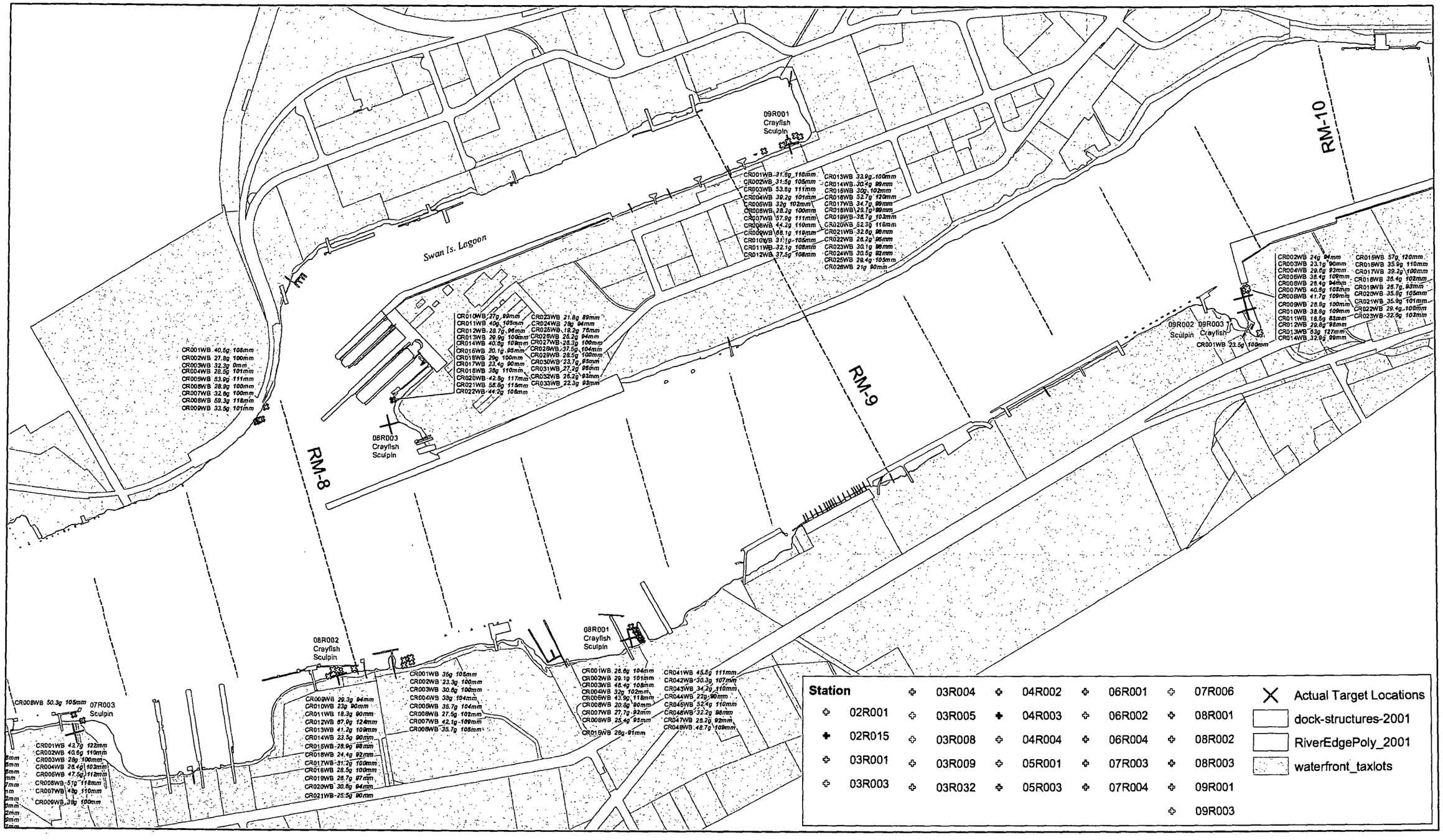
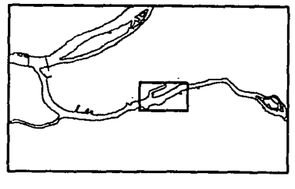
DRAFT

Figure 5-3b
Portland Harbor
2002 Field Sampling Report
Crayfish
with Weight (g) & Length (mm)





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0 250 500 1,000 Feet

FEATURE SOURCES:
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File Name: Crayfish_Final.mxd

Map Date: 02/03/2003

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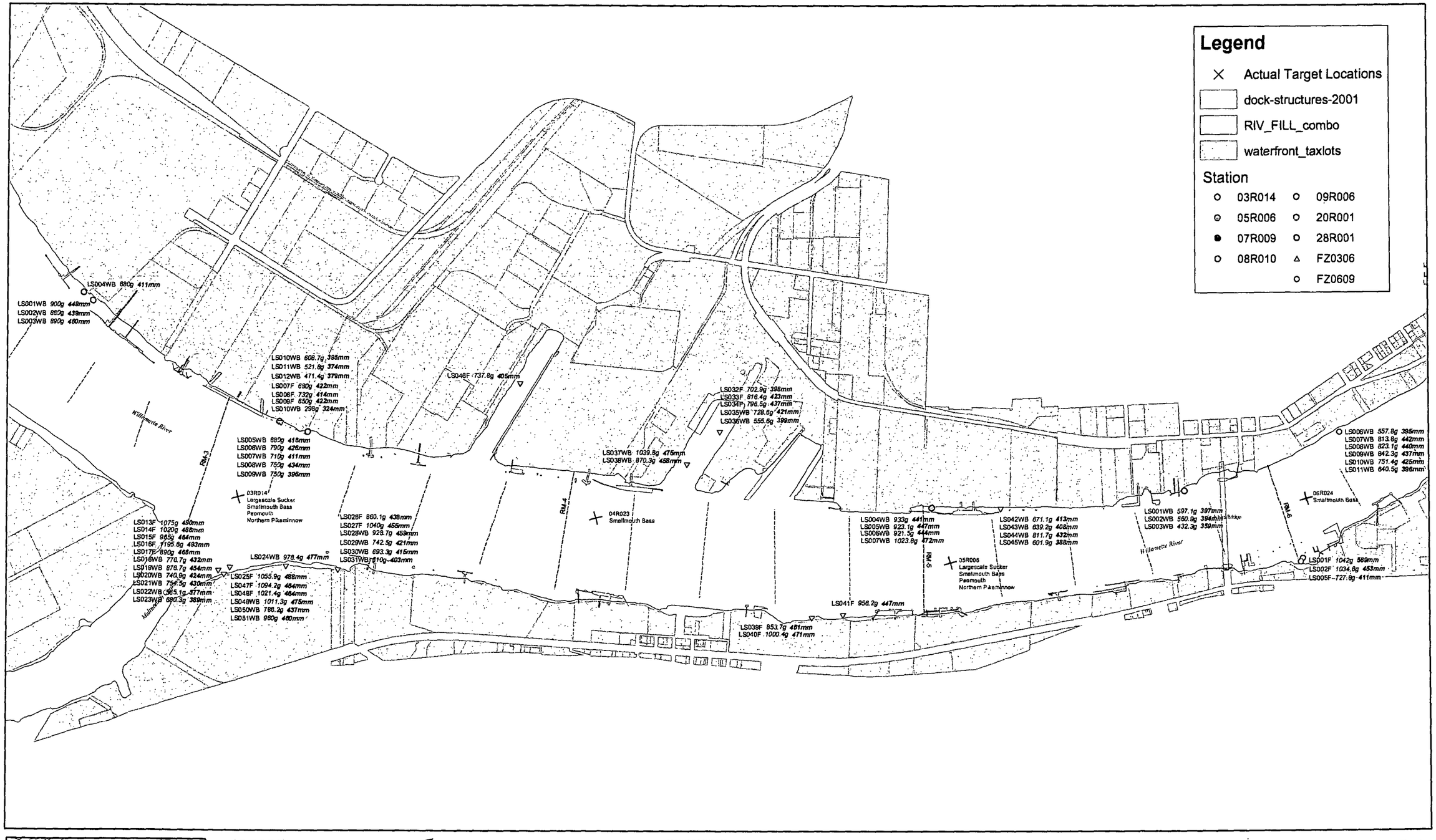
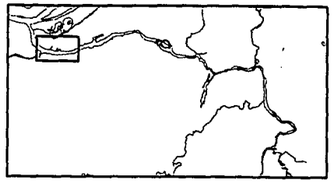
DRAFT

Figure 5-3c
Portland Harbor
2002 Field Sampling Report
Crayfish
with Weight (g) & Length (mm)





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0 500 1,000 2,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS.
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Data: Table B-1 Fish Tissue Data Master Table.

File Name: Final_Large_Scale_Sucker_1216.mxd

Map Date: 02/03/2003

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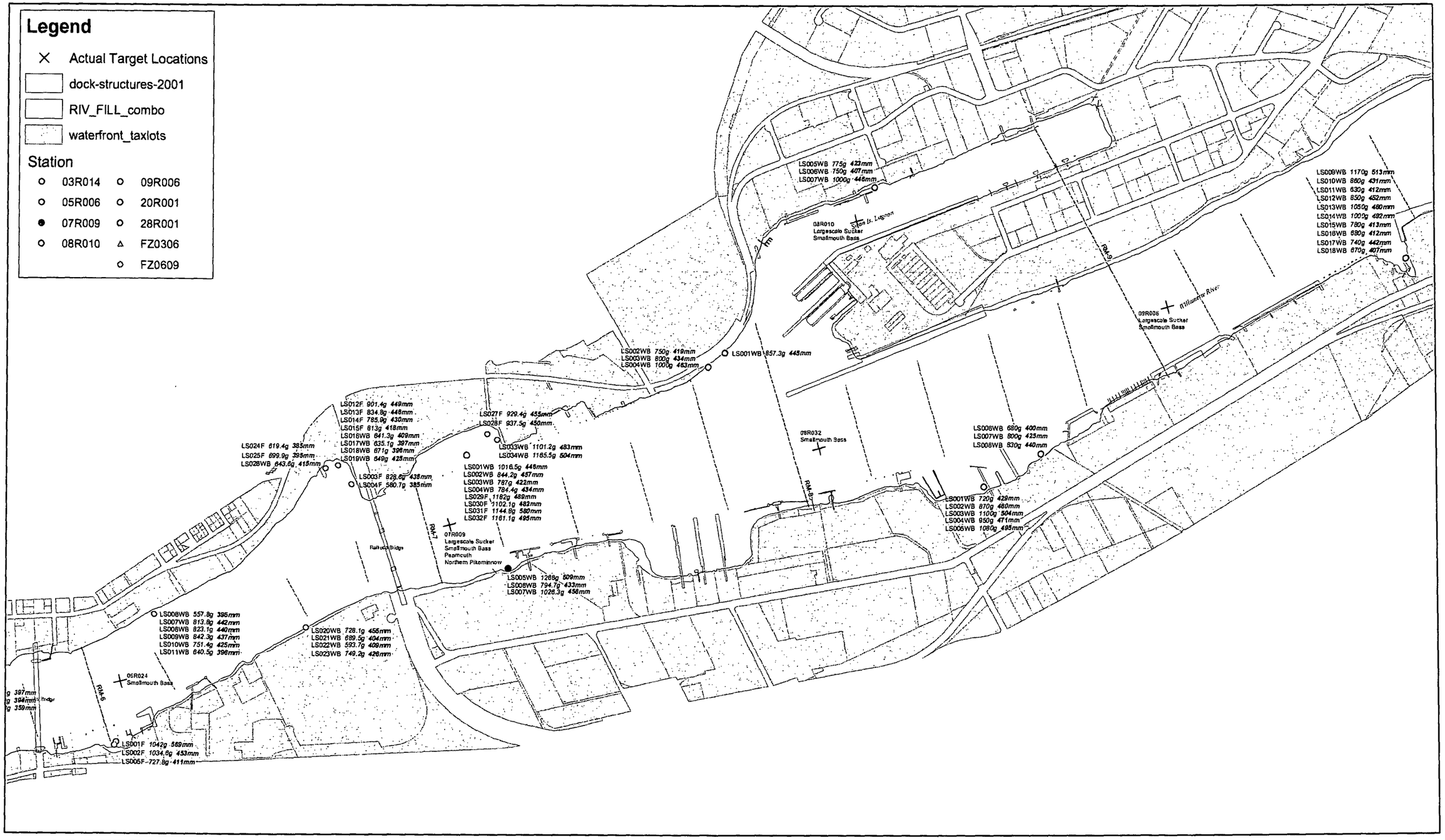
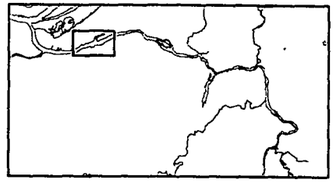
Draft

Figure 5-4a
Portland Harbor
2002 Field Sampling Report
Large Scale Sucker
with Weight (g) & Length (mm)





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Tetra Tech/KM Environmental Associates

0 500 1,000 2,000 Feet

FEATURE SOURCES:
Transporation, Water, Property, Zoning or Boundaries: Metro RLIS .
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Data: Table B-1 Fish Tissue Data Master Table.

File Name: Final_Large_Scale_Sucker_1216.mxd

Map Date: 02/03/2003

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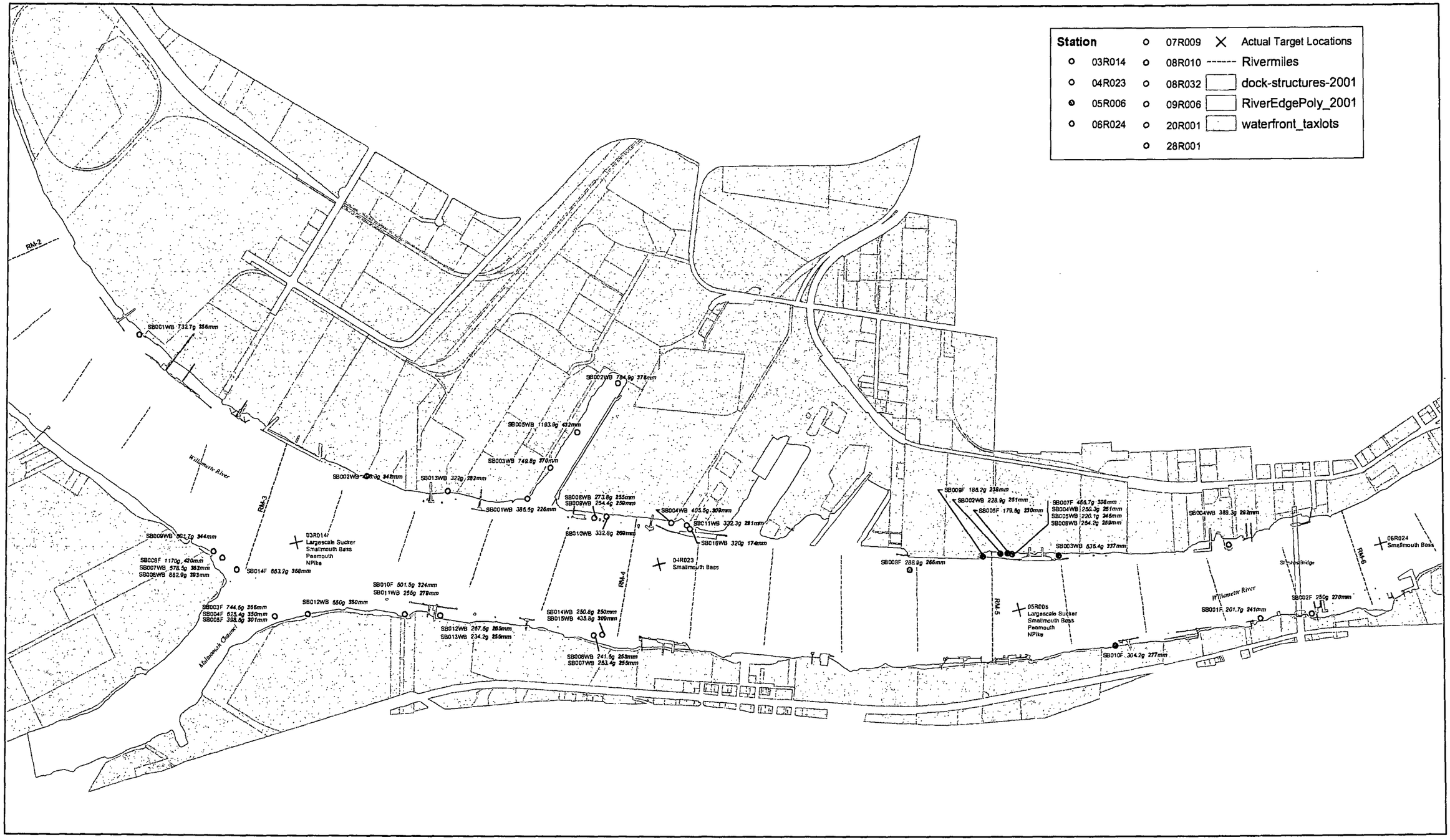
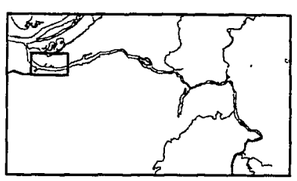
Draft

Figure 5-4b
Portland Harbor
2002 Field Sampling Report
Large Scale Sucker
with Weight (g) & Length (mm)





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Lower Willamette Group

TRIPLIN Environmental Associates

0 500 1,000 2,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS .
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Data: Table B-1: Fish Tissue Data Master Table.

File Name: Final_Smallmouth Bass_1216.mxd

Map Date: 02/03/2003

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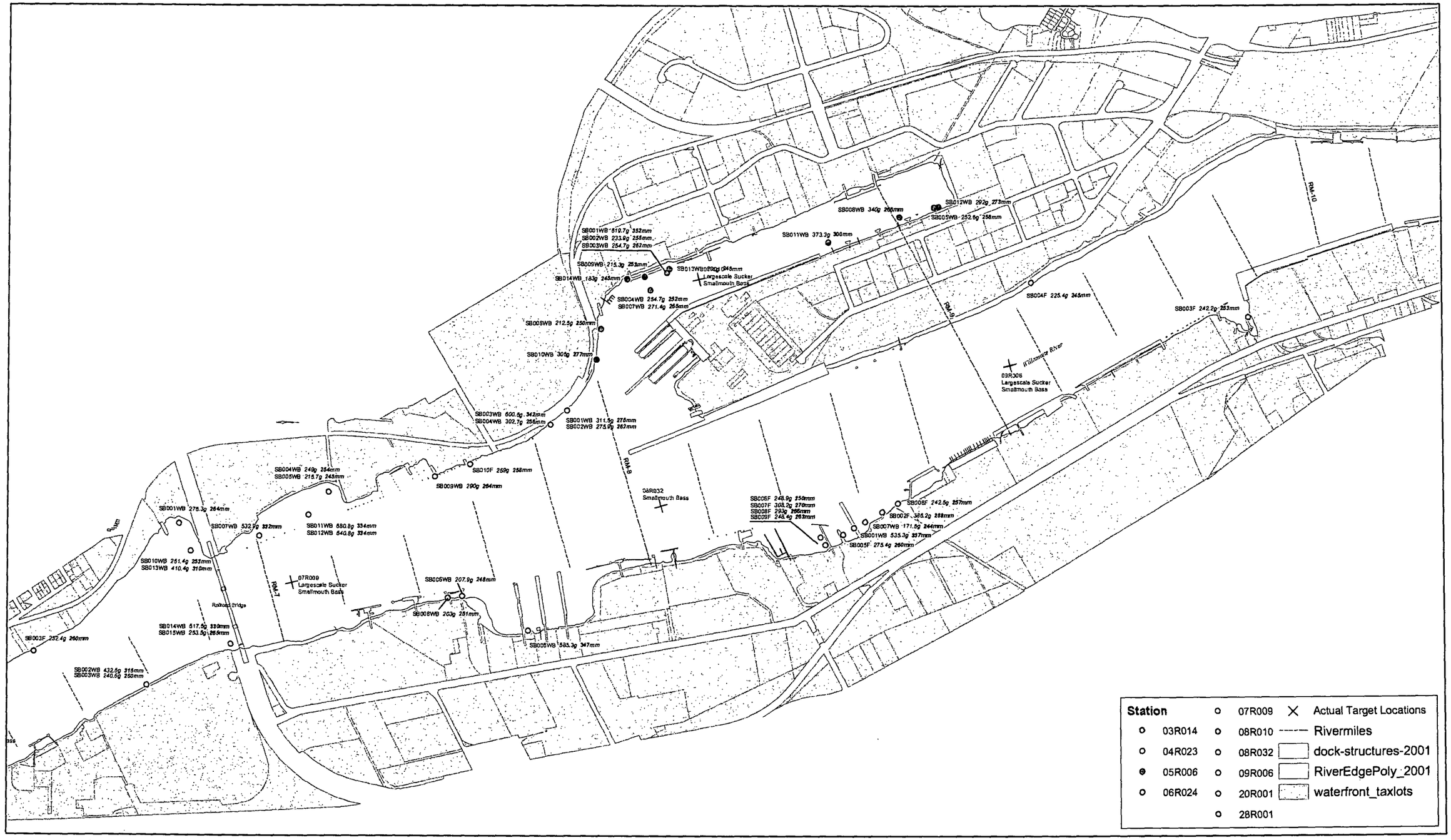
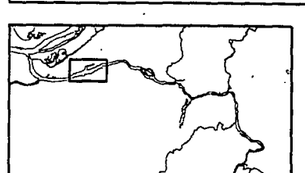
Figure 5-5a
Portland Harbor
2002 Field Sampling Report
Smallmouth Bass
with Weight (g) & Length (mm)





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0 500 1,000 2,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS .
Channel & River miles: Developed from US Army Corps of Engineers Information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Data: Table B-1: Fish Tissue Data Master Table.

File Name: Final_Smallmouth Bass_1216.mxd

Map Date: 02/03/2003

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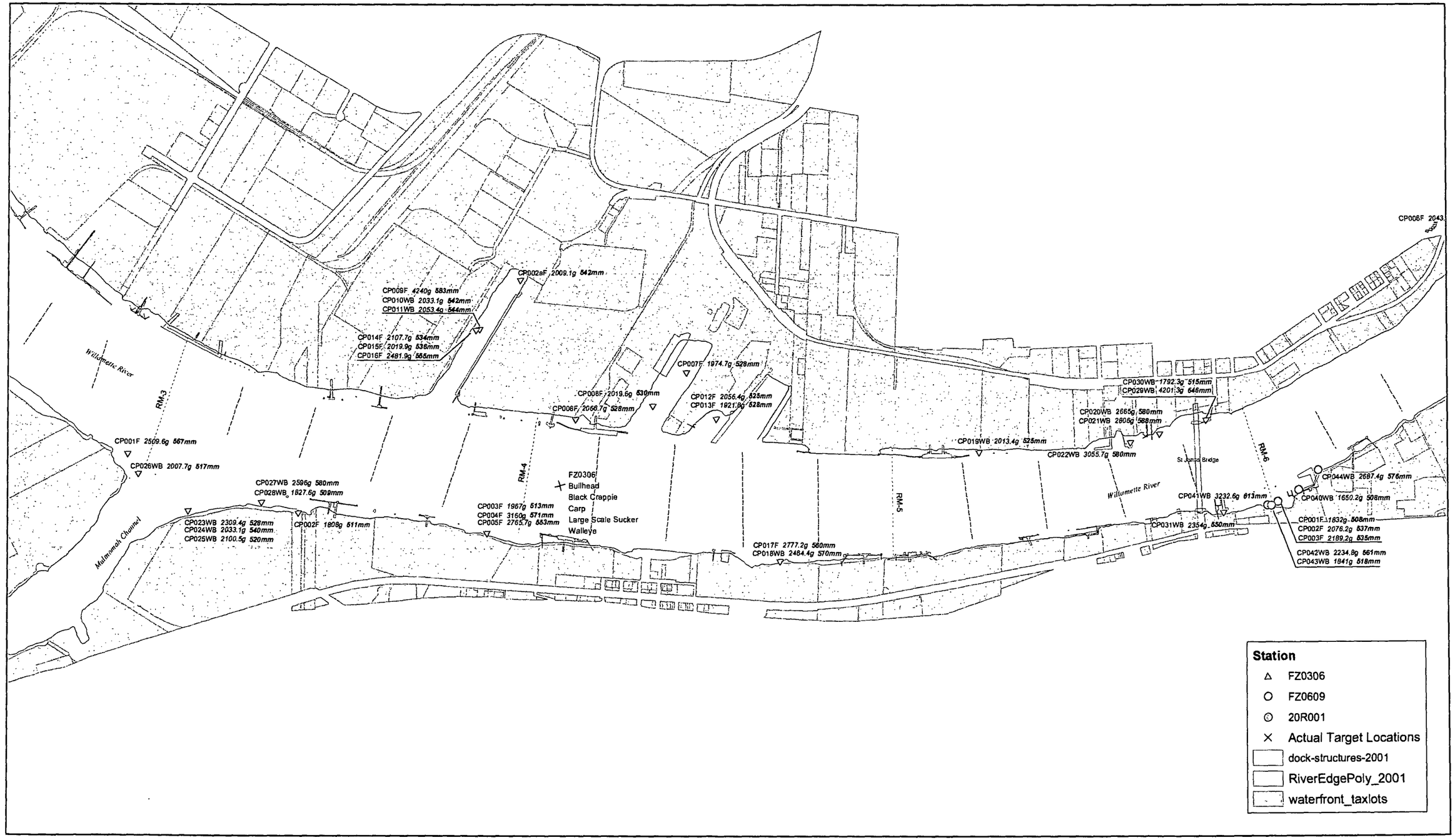
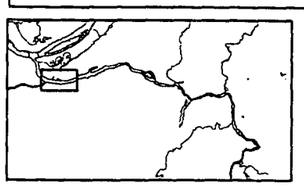
Figure 5-5b
Portland Harbor
2002 Field Sampling Report
Smallmouth Bass
with Weight (g) & Length (mm)





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0 500 1,000 2,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS .
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Data: Table B-1: Fish Tissue Data Master Table.

File name: \Final_Carp_1216.mxd
Map Date: 02/03/2003

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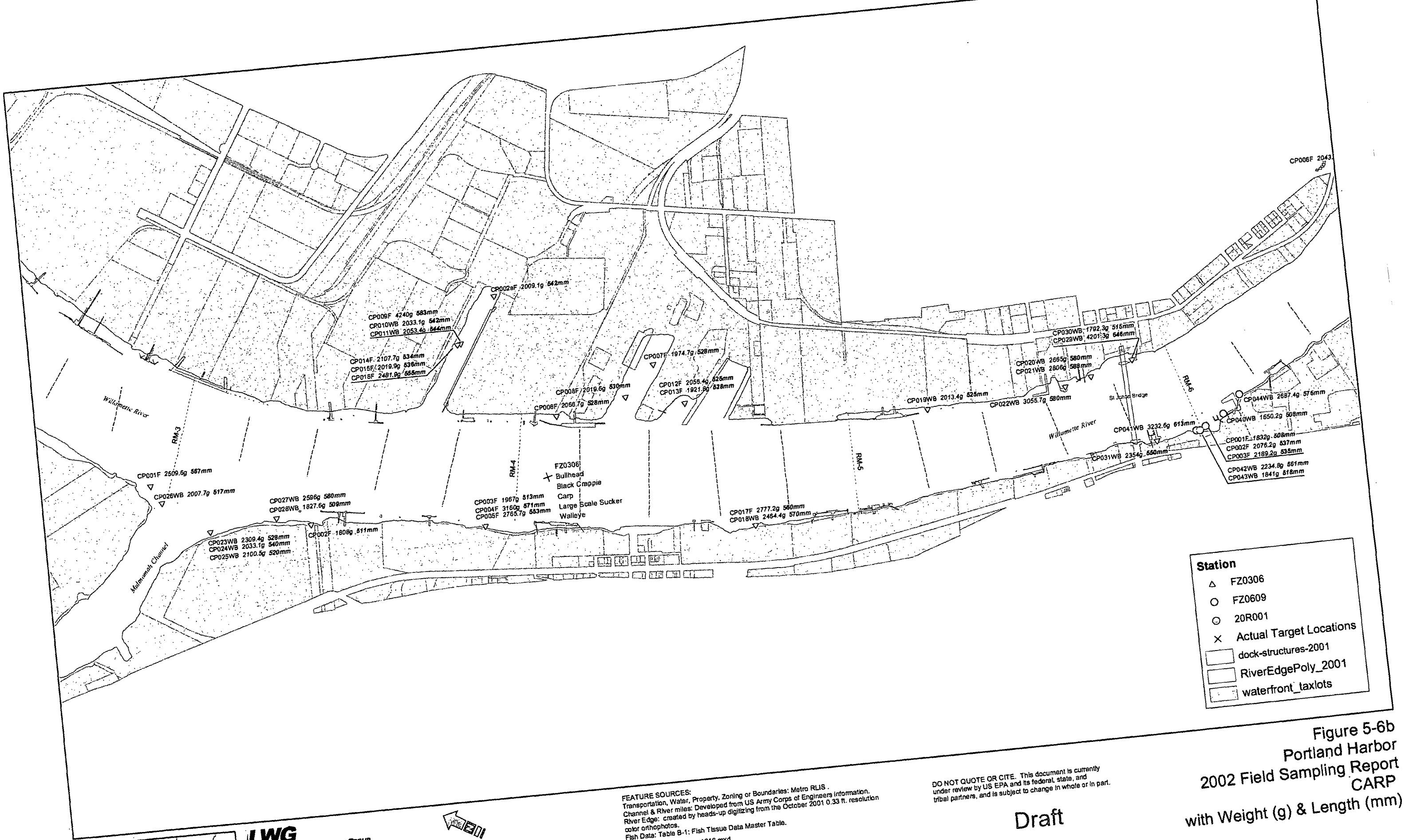
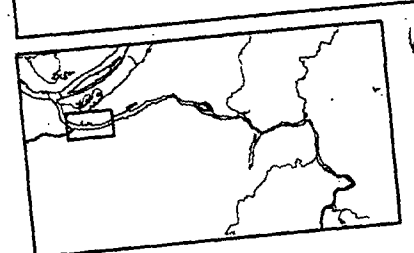
Figure 5-6a
Portland Harbor
2002 Field Sampling Report
CARP
with Weight (g) & Length (mm)





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0 500 1,000 2,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS .
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Data: Table B-1: Fish Tissue Data Master Table.
File name: \Final_Carp_1216.mxd
Map Date: 02/03/2003

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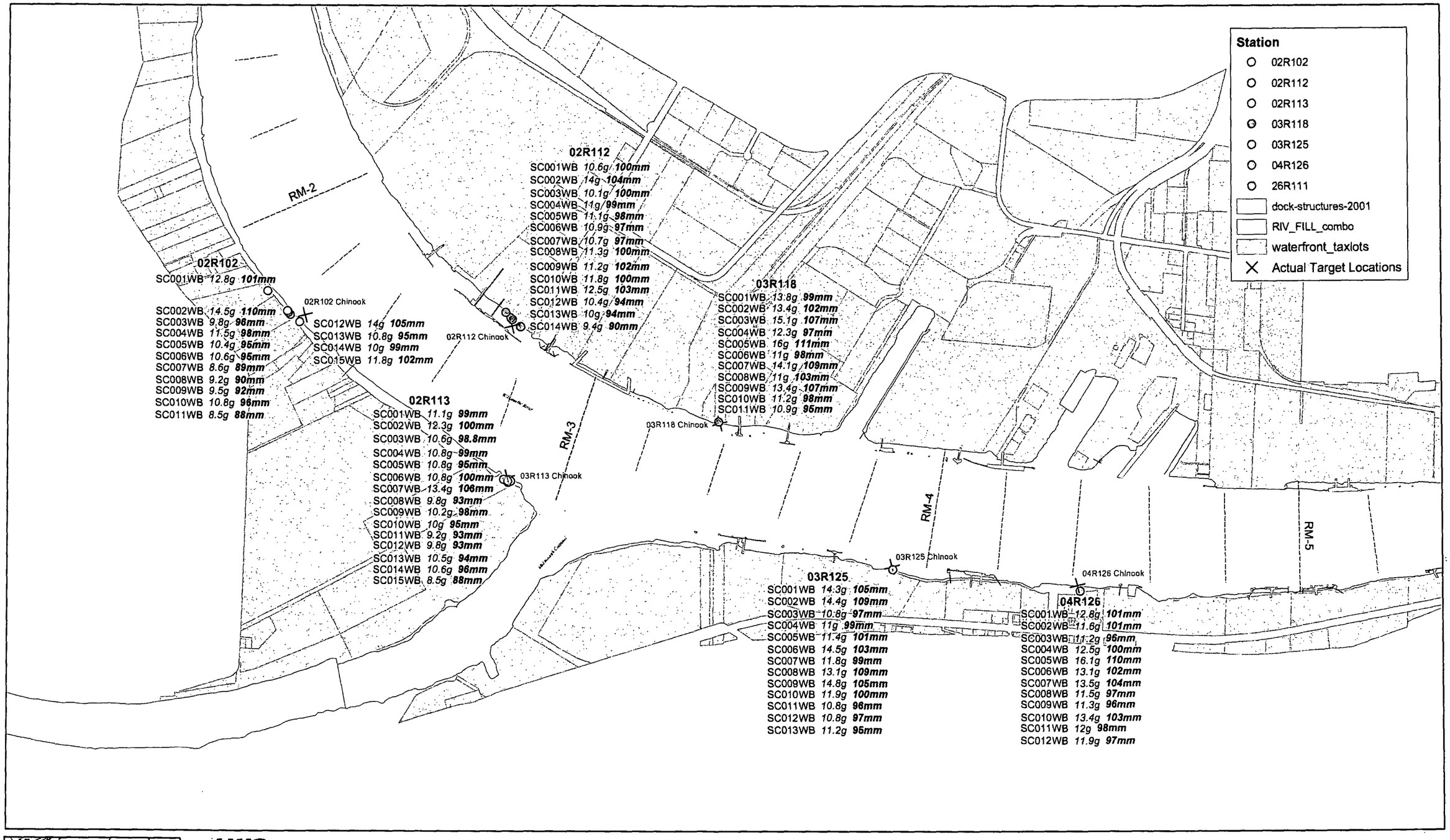
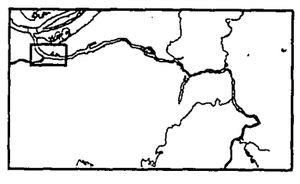
Draft

Figure 5-6b
Portland Harbor
2002 Field Sampling Report
CARP
with Weight (g) & Length (mm)





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0 500 1,000 2,000 Feet

FEATURE SOURCES:
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Channel & River miles: Developed from US Army Corps of Engineers Information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Data: Table B-1: Fish Tissue Data Master Table.

File name: \Final_Chinook_1216.mxd
Map Date: 02/03/2003

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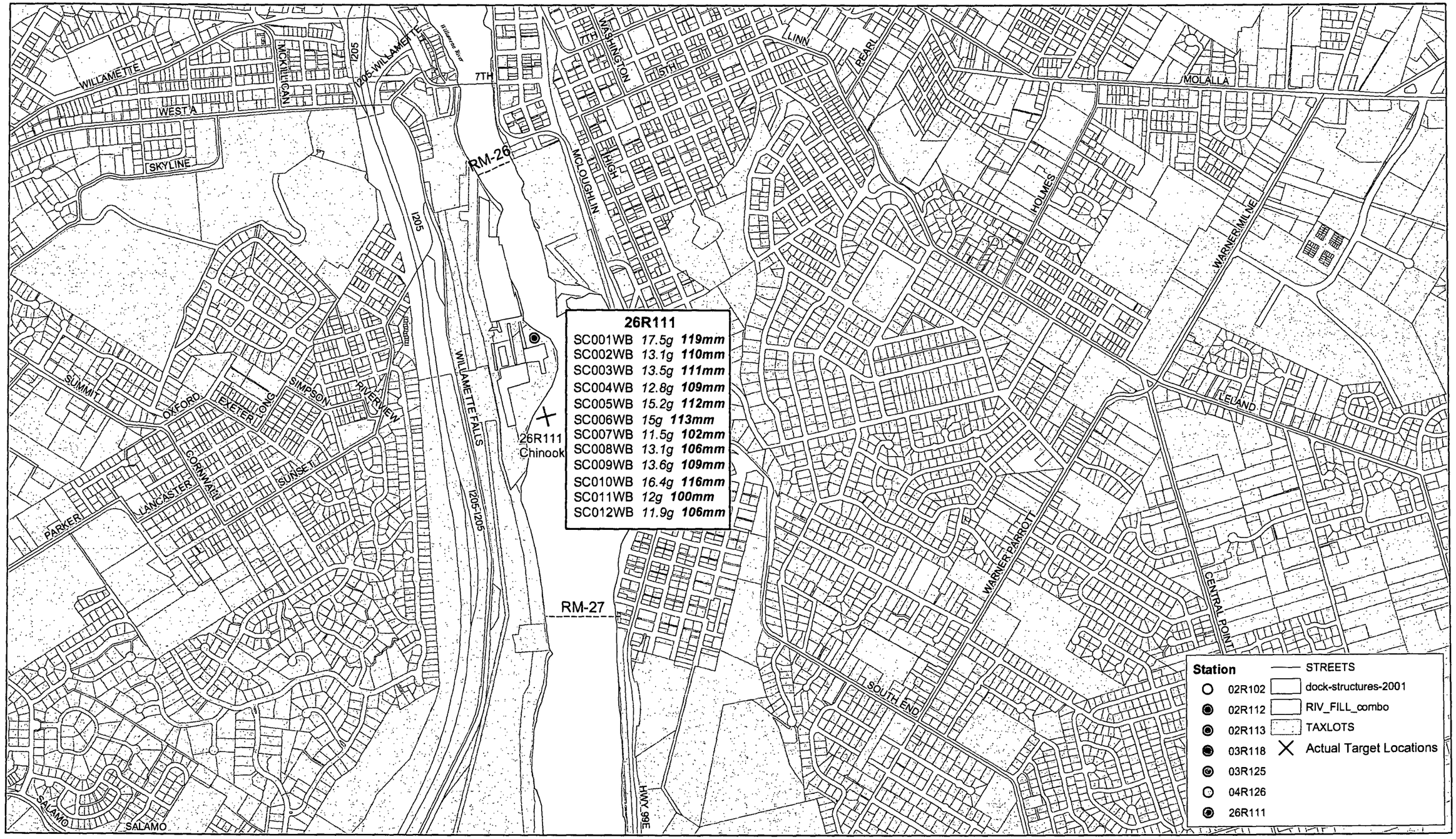
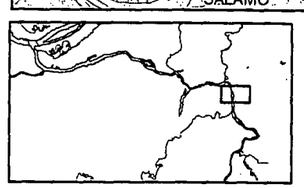
Figure 5-7a
Portland Harbor
2002 Feild Sampling Report
Sub-yearling Chinook
with Weight (g) & Length (mm)





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0 500 1,000 2,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS.
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Data: Table B-1: Fish Tissue Data Master Table.
File name: \Final_Chinook_1216.mxd
Map Date: 02/03/2003

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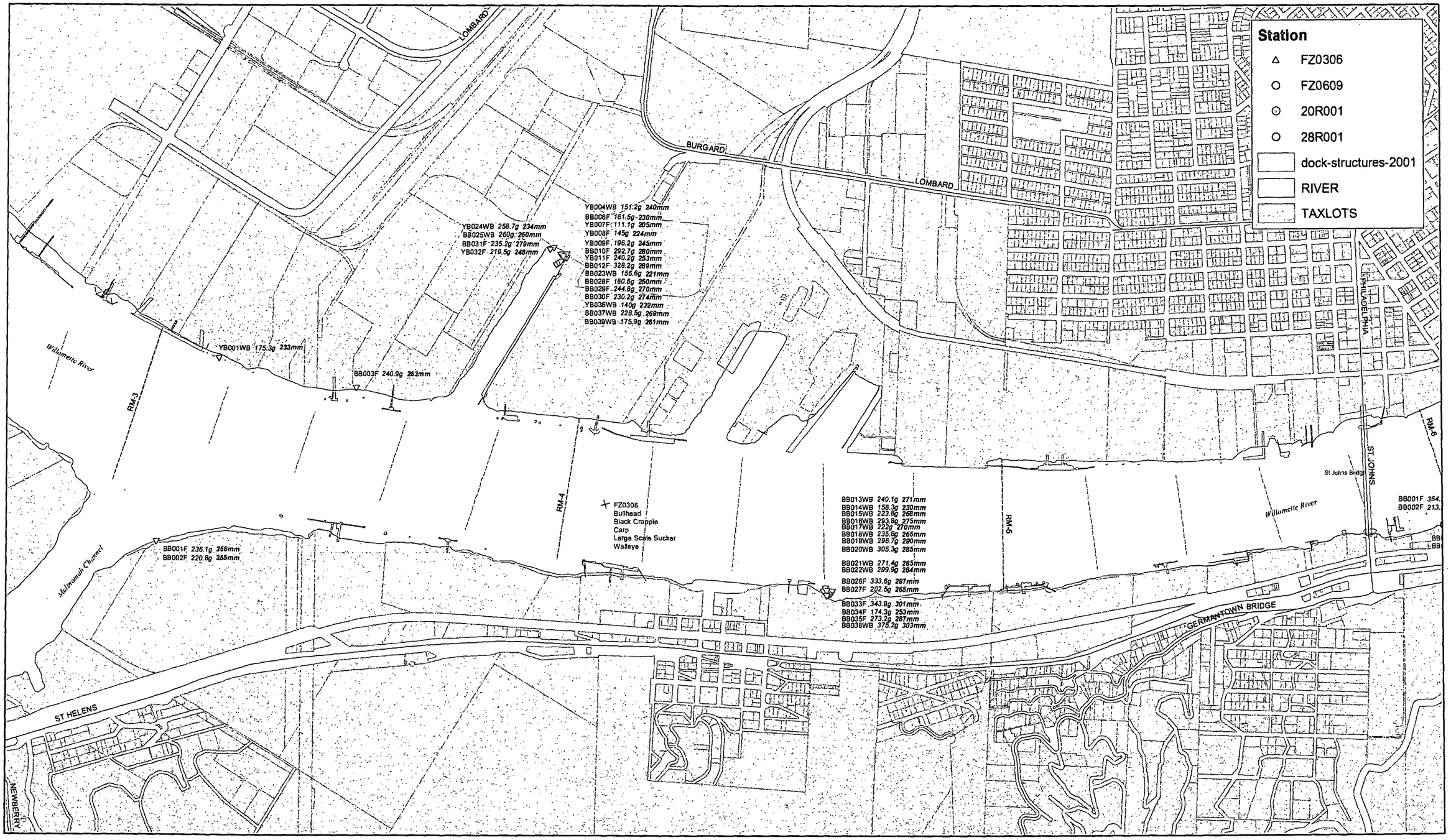
Draft

Figure 5-7b
Portland Harbor
2002 Feild Sampling Report
Sub-yearling Chinook
with Weight (g) & Length (mm)



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FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS.
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Data: Table B-1: Fish Tissue Data Master Table.

File Name: Bullhead1112.mxd

Map Date: 02/04/2003

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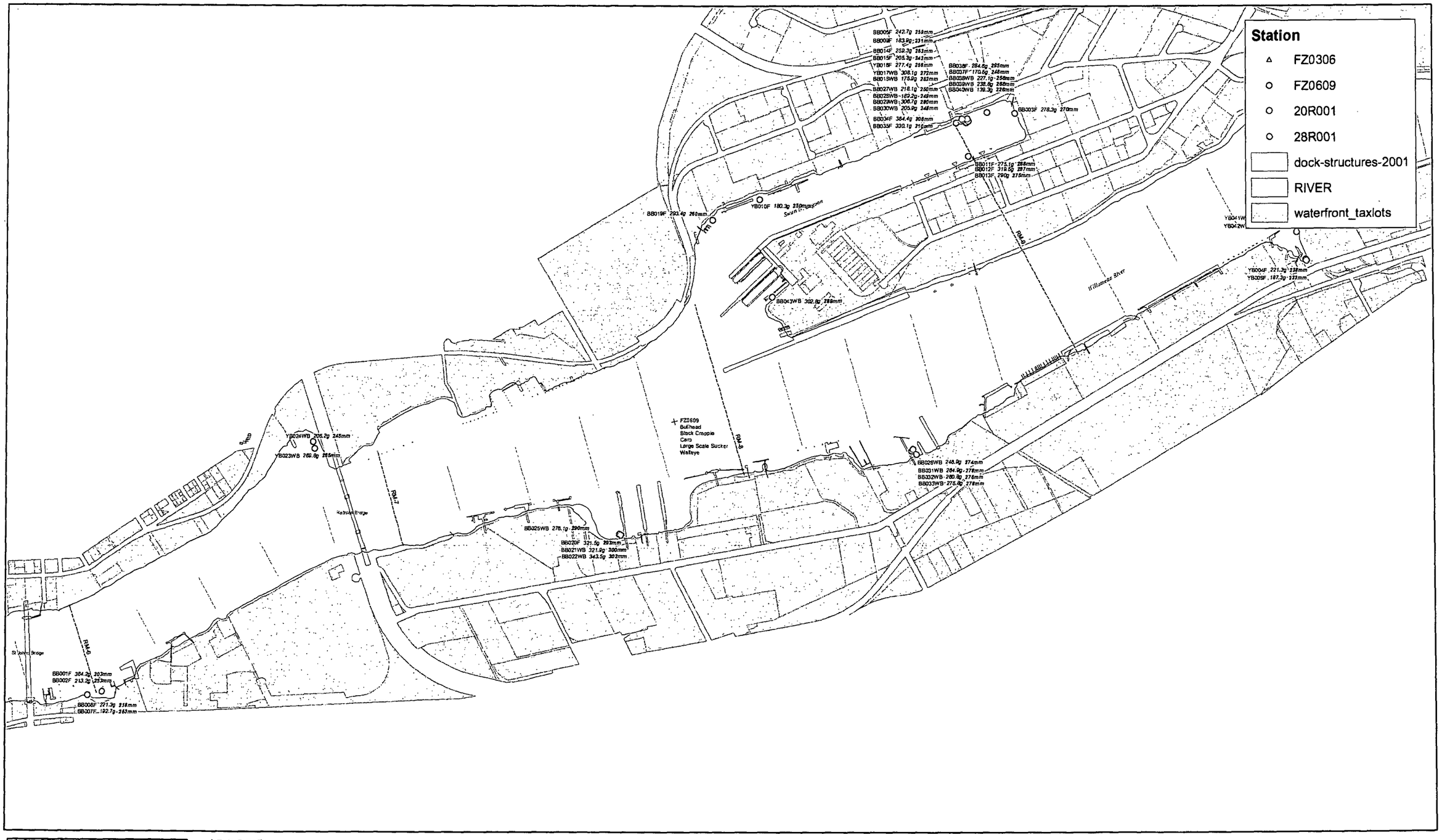
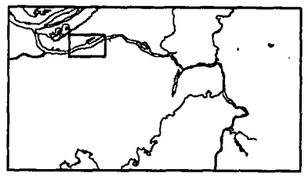
Figure 5-8a
Portland Harbor
2002 Field Sampling Report
Bullhead
with Weight (g) & Length (mm)





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0 500 1,000 2,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS .
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Data: Table B-1: Fish Tissue Data Master Table.

File Name: Bullhead1112.mxd

Map Date: 02/04/2003

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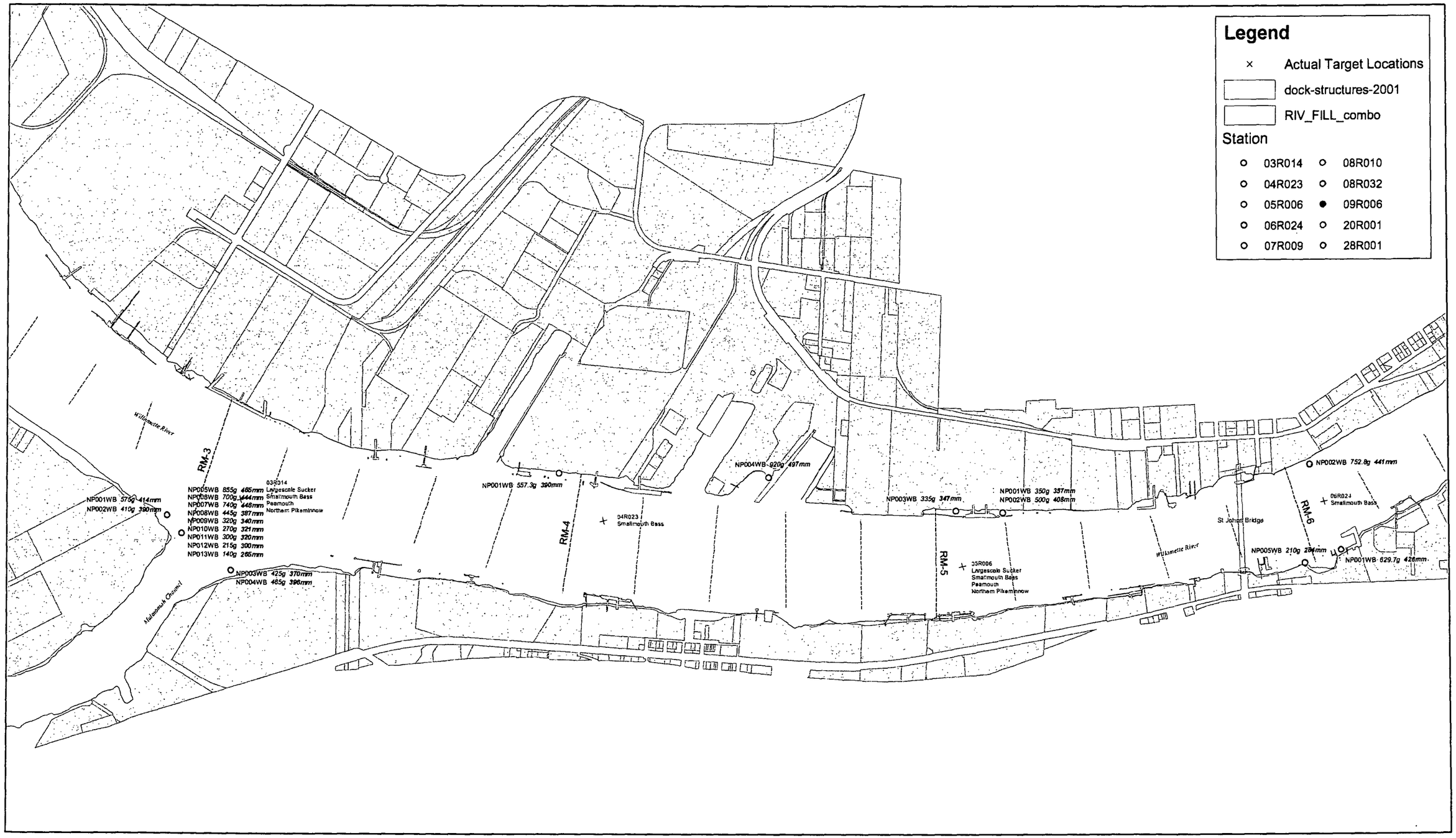
Draft

Figure 5-8b
Portland Harbor
2002 Field Sampling Report
Bullhead
with Weight (g) & Length (mm)



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0 500 1,000 2,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS .
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Data: Table B-1 FishTissue Data Master Table.

File Name: Final_N_Pikeminnow_1216.mxd

Map Date: 02/04/2003

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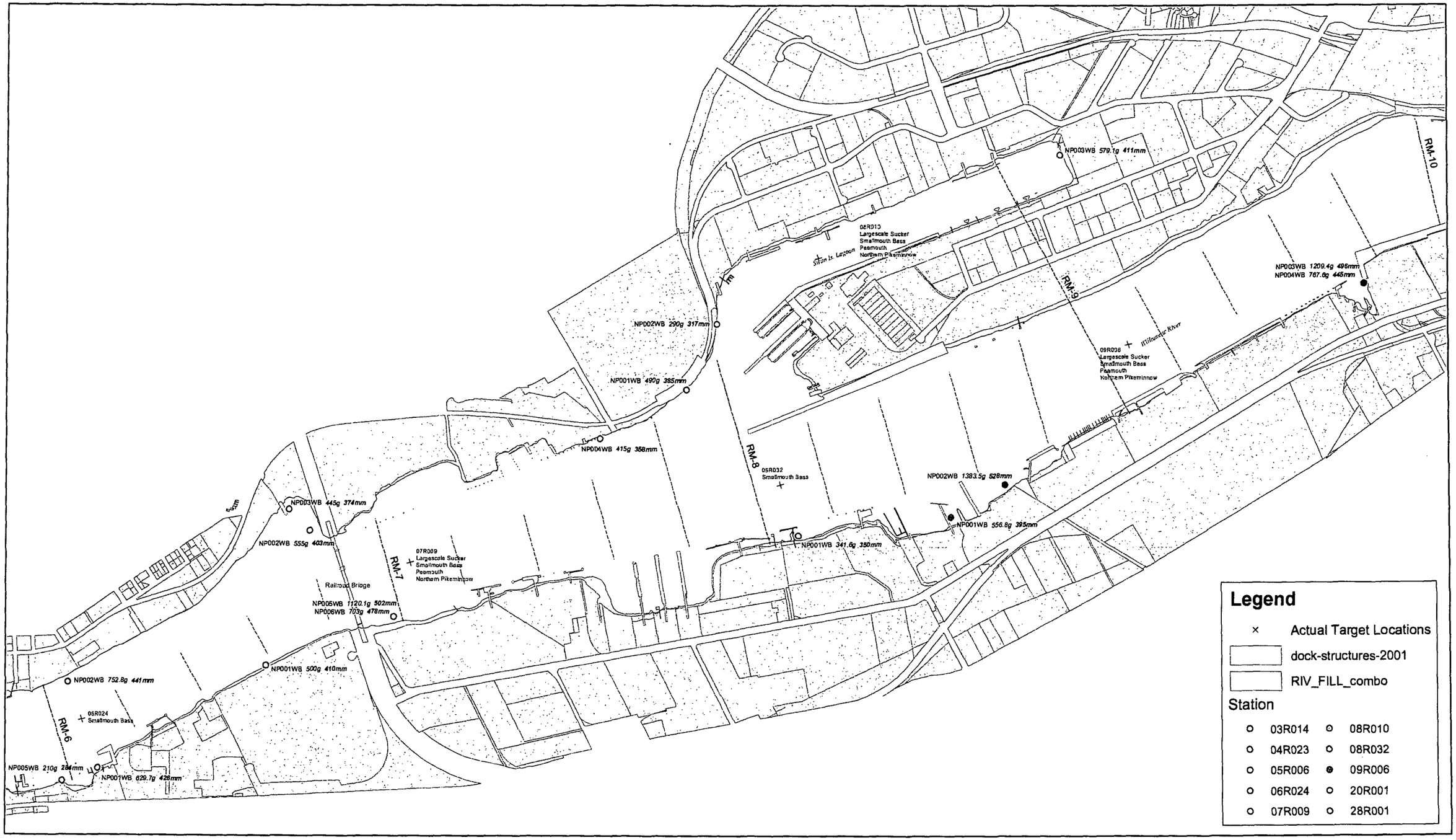
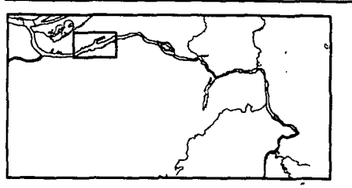
Figure 5-9a
Portland Harbor
2002 Field Sampling Report
Northern Pikeminnow
with Weight (g) & Length (mm)





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0 500 1,000 2,000 Feet

FEATURE SOURCES:
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Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Data: Table B-1 FishTissue Data Master Table.

File Name: Final_N_Pikeminnow_1216.mxd

Map Date: 02/04/2003

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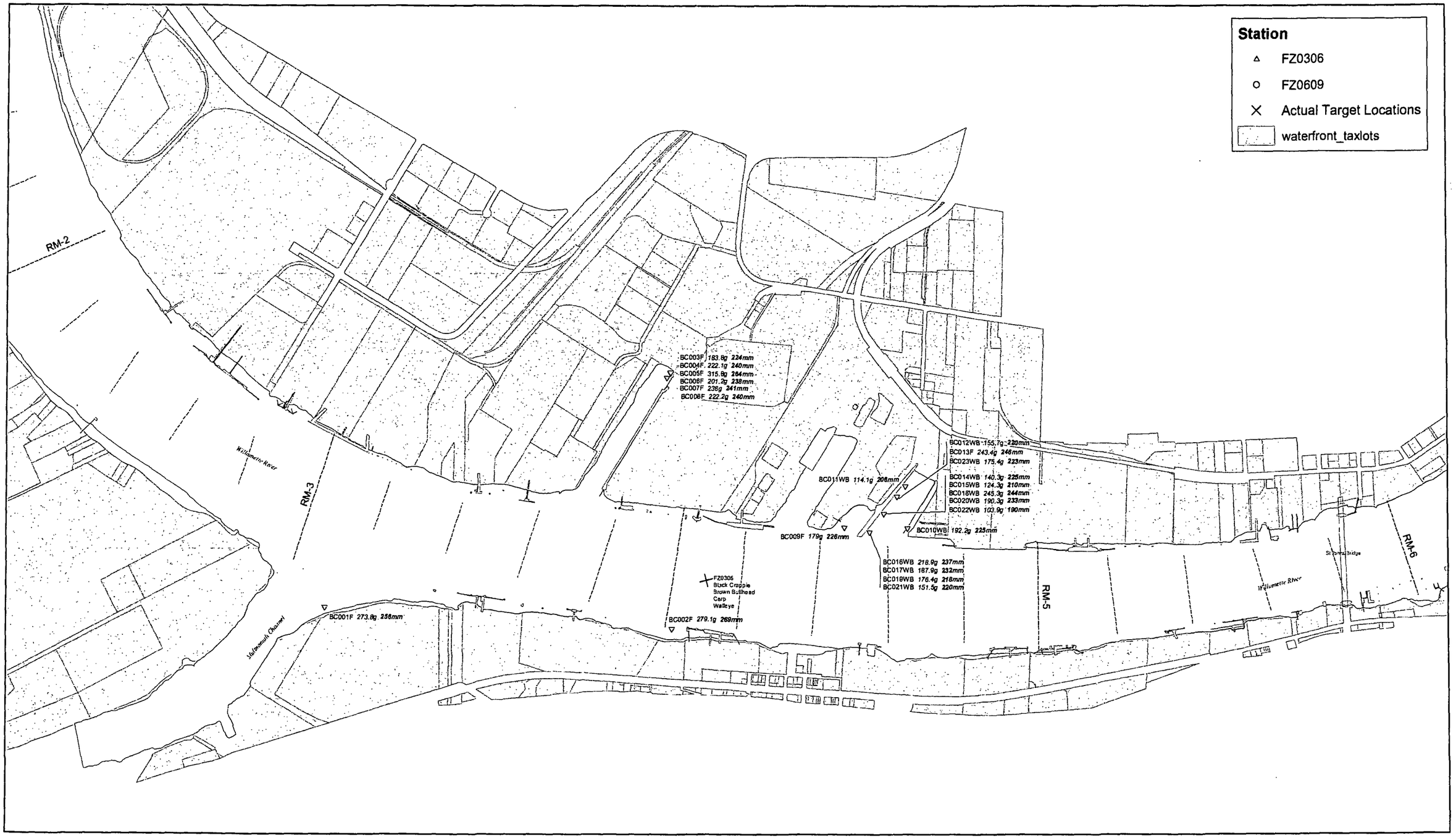
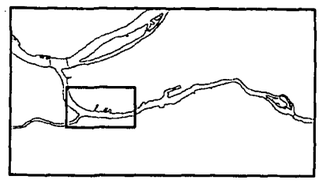
Figure 5-9b
Portland Harbor
2002 Field Sampling Report
Northern Pikeminnow
with Weight (g) & Length (mm)





LWG
LOWER WILLAMETTE GROUP

TRIPLIN Environmental Associates

0 500 1,000 2,000 Feet

FEATURE SOURCES:
Transportation, Water, Property, Zoning or Boundaries: Metro RLIS .
Channel & River miles: Developed from US Army Corps of Engineers information.
River Edge: created by heads-up digitizing from the October 2001 0.33 ft. resolution color orthophotos.
Fish Data: Table B-1: Fish Tissue Data Master Table.

File Name: Final_Crappie_1216.mxd

Map Date: 02/04/2003

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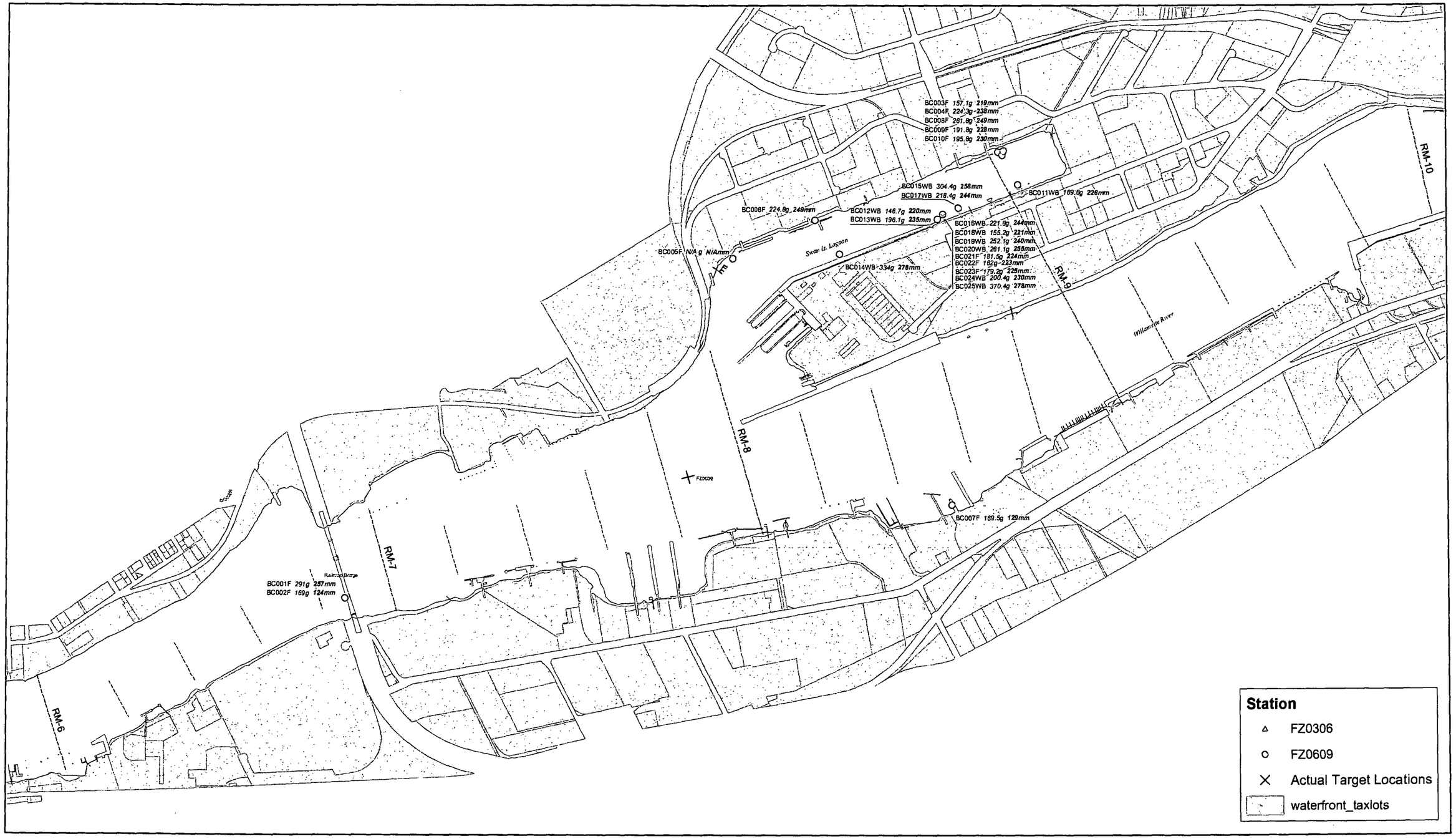
Draft

Figure 5-10a
Portland Harbor
2002 Field Sampling Report
Black Crappie
with Weight (g) & Length (mm)



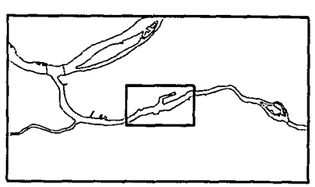


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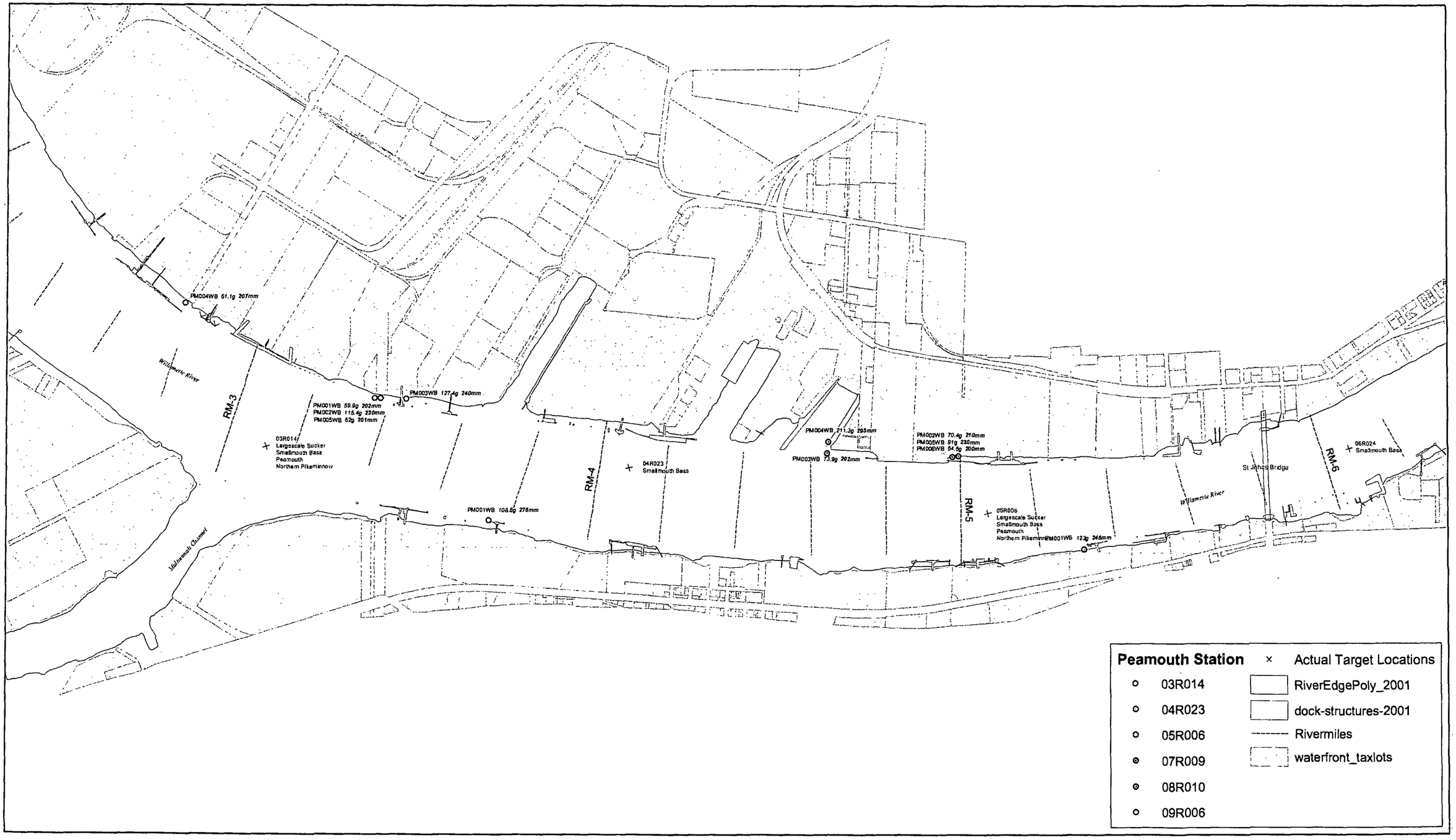
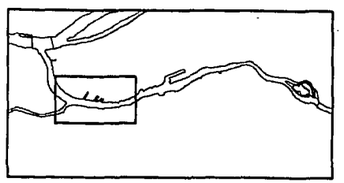
Figure 5-10b
Portland Harbor
2002 Field Sampling Report
Black Crappie
with Weight (g) & Length (mm)





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Channel & River miles: Developed from US Army Corps of Engineers information.
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Fish Data: Table B-1: Fish Tissue Data Master table.

File Name: Final_Peamouth_1216.mxd

Map Date: 02/05/2003

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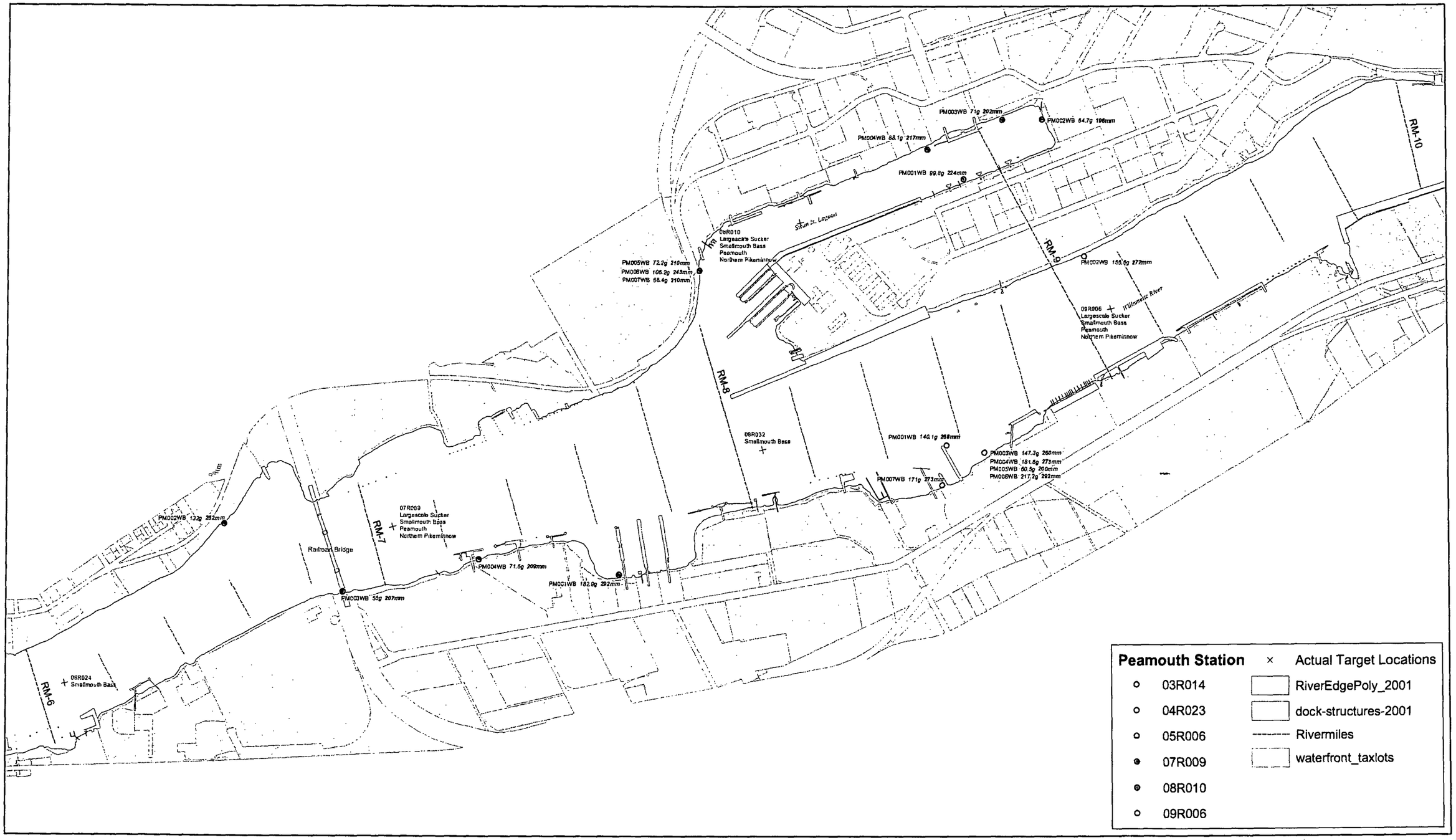
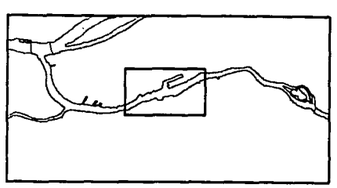
Figure 5-11a
Portland Harbor
2002 Field Sampling Report
Peamouth
with Weight (g) & Length (mm)





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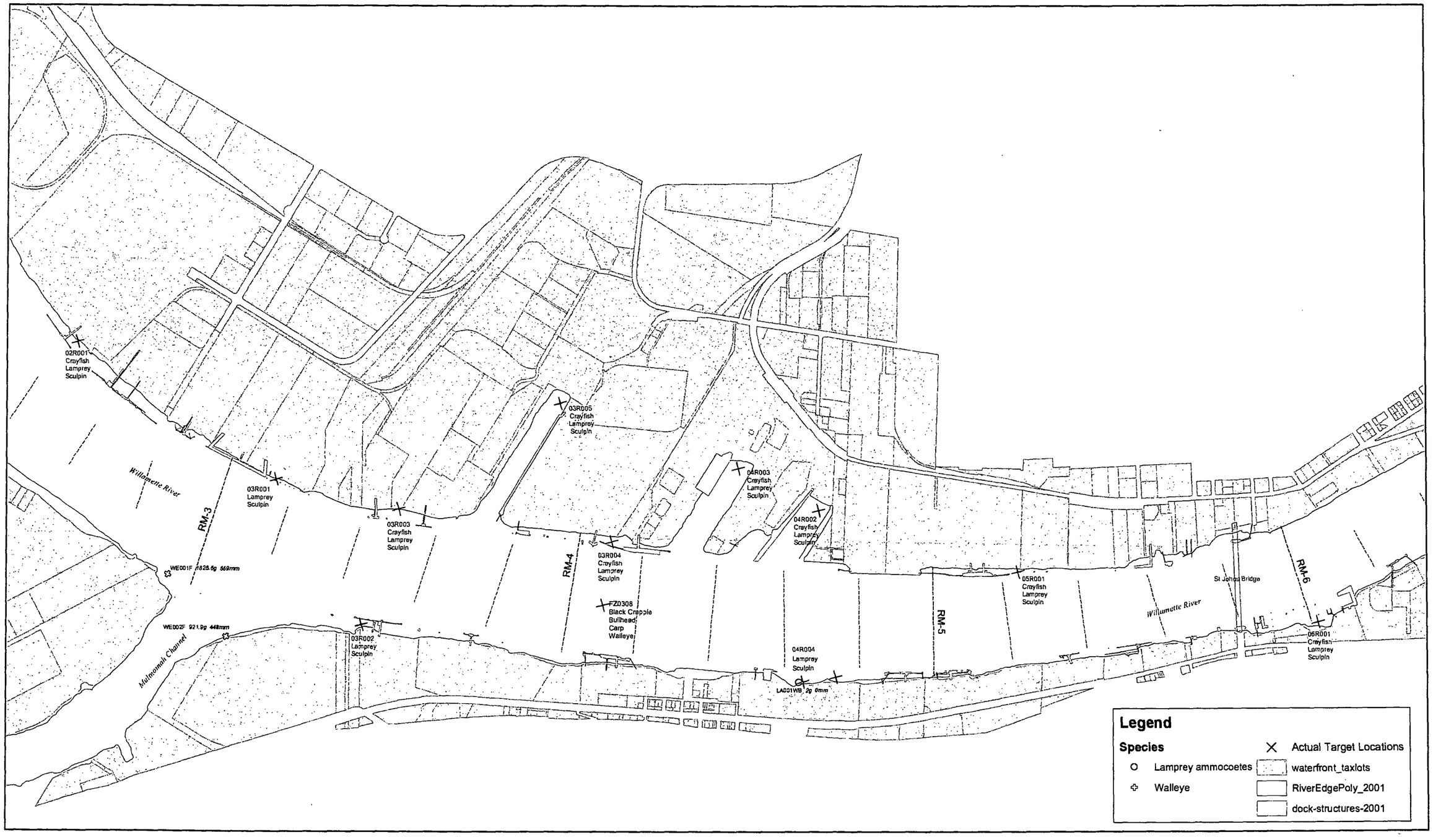
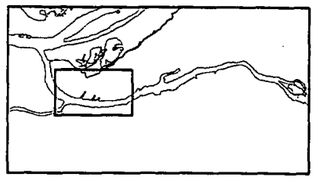
Portland Harbor
2002 Field Sampling Report
Peamouth
with Weight (g) & Length (mm)





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File Name: Final_Walleye_Lamp_1216.mxd

Map Date: 02/05/2003

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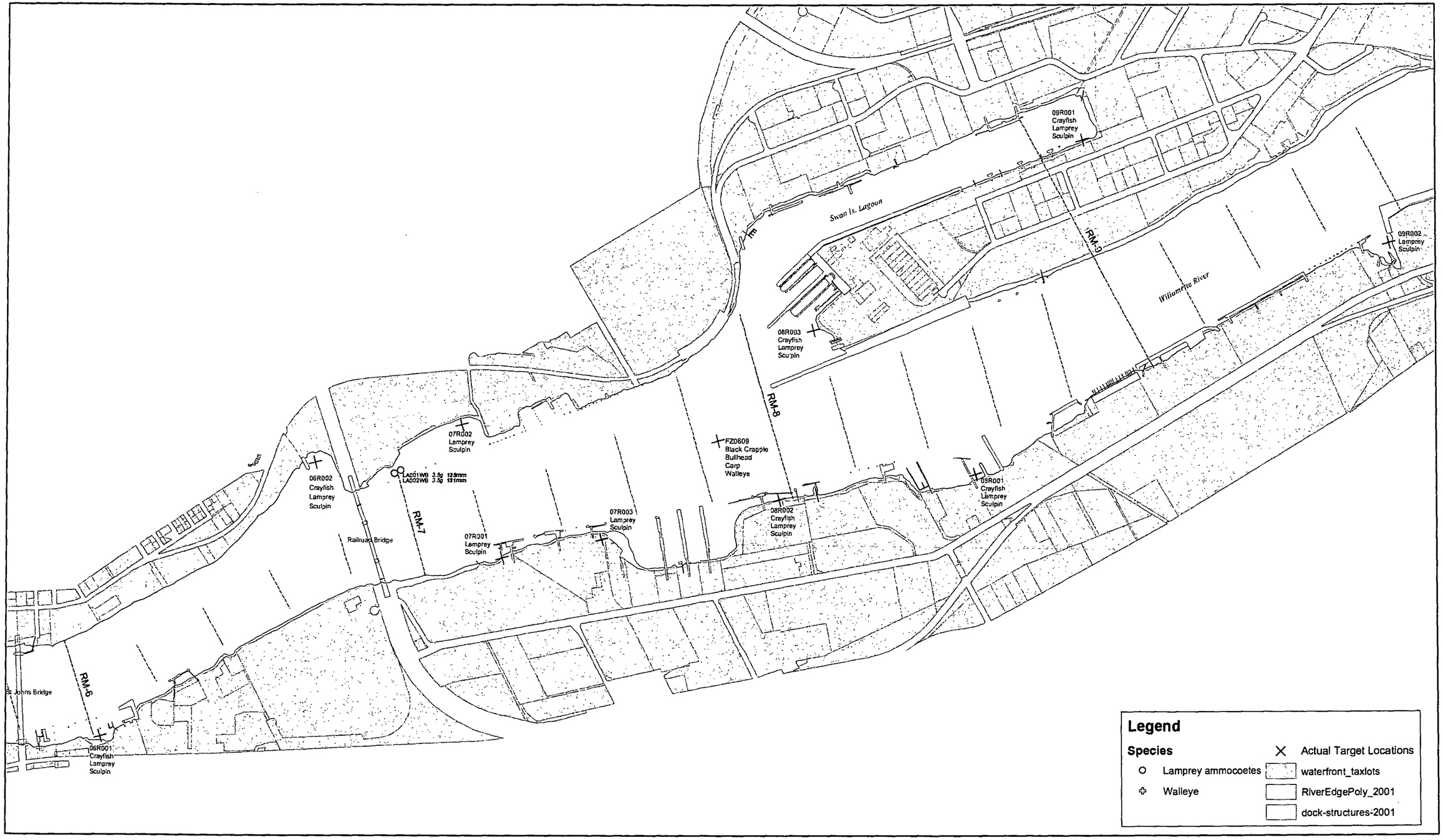
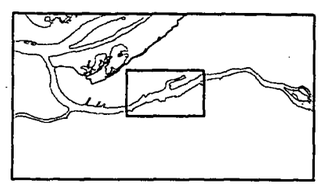
Figure 5-12a
Portland Harbor
2002 Field Sampling Report
Walleye & Lamprey ammocoetes
with Weight (g) & Length (mm)





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Map Date: 02/05/2003

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Figure 5-12b
Portland Harbor
2002 Field Sampling Report
Walleye & Lamprey ammocoetes
with Weight (g) & Length (mm)

Figure 5-13 Lab Sample Storage Log Data Sheet

Phase	Location	Matrix	ID Species	Fish #	Tissue Type (FL, FS, WB)	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Comments	Recorder
LWG01		TS											
LWG01		TS											
LWG01		TS											
LWG01		TS											
LWG01		TS											
LWG01		TS											
LWG01		TS											
LWG01		TS											
LWG01		TS											
LWG01		TS											
LWG01		TS											
LWG01		TS											
LWG01		TS											
LWG01		TS											
LWG01		TS											
LWG01		TS											
LWG01		TS											
LWG01		TS											
LWG01		TS											
LWG01		TS											
LWG01		TS											
LWG01		TS											
LWG02		TS											
LWG03		TS											
LWG04		TS											
LWG05		TS											
LWG06		TS											
LWG07		TS											
LWG08		TS											
LWG09		TS											

Figure 5-14. Species Relabeling Check Sheet.

Date from	Old Species Code	New Species Code	Date Changed	Items to change				
				Label?	Process Sheet?	Storage Log?	Log Book?	Master Table?

Appendix A

APPENDIX A: GRAB SAMPLE LOG SHEETS

SAMPLE LOG - Co-located Sediments

Date: 10/16/02

Time	Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
1055	02R015	1	9.5	sand with wood debris	dark gray/black	wood chips sticks	NONE	~~good~~ undisturbed surface, ~~penetration~~
1119	02R015	2	16.5	brown silty sand layer (<1cm) overlies dark gray sandy material	Brown dark gray	limited wood chips sticks	NONE	good penetration, grab sealed, undist. surface
1140	02R015	3	11.0	silty brown layer (<1cm) at surface over dark gray sand, chunks of riprap	Brown over dark gray	some wood debris	NONE	one side of grab slightly washed, sample taken from other side
1248	05R001	1	12.0	med sand, reddish brown - uniform to depth	reddish brown	NONE	NONE	minor washing of surface seds
1258	05R001	2	14.0	med sand (2-3cm) discontinuous underlain by clay (gray) - 2cm	brown gray clay some dark sand	Rocks	NONE	good / full penetration
1310	05R001	3	11.0 cm	reddish/orangish sand, coarse to bottom	red/orange black flecks	NONE	NONE	some minor washing
1404	04R002	1	15cm	fines (brown, thin) over coarse black sand, finer sand on bottom	brown over black	alg pieces ~~None~~ wood	slight non-identifiable	good penetration
1436	04R002	2	16cm	brown silt layer (<1cm) on top, overlies coarse dark sand	brown over black	wood	slight as rep 1	shear in grab
1509	04R002	3	18cm	brown silt with pockets of coarser-grained	brownish black	minor, ~~none~~ wood	slight	deep penetration
1551	05R020	1	18cm	brownish/gray silty sand, pockets of black sand, coarser with depth	brown black	wood at bottom of grab	NONE	deep penetration

Comments:

Date: 10/16/02

SAMPLE LOG: Co-Located Sediments

Time	Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
1559	05R020	2	18 cm	Brown silt/ ~~[illegible]~~ sand only in pockets, clay plant debris at depth	grayish green, brown	plant material v. fine	Organic smell at depth	full penetration
1608	05R020	3	15 cm	Brown silt with wood debris (small), some pockets of sand with organic odor	brown ~~[illegible]~~ clay sand pockets	wood debris	organic odor at depth	

Comments:

SAMPLE LOG

Date: 10/11/02

Time	Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
0815	03R003 R1	1	10 cm	Silt/Sand mixture pockets of darker/lighter sand	grayish/ ~~[illegible]~~ brown	small wood [illegible] shell	none	
0822	[illegible] R1	2	13.5 cm	Sand, well-sorted, minor organics	brownish gray		none	
0832	03R003 R2	3	11 cm	sand overlying mud at about 9 cm	[illegible]	[illegible]	[illegible]	slightly washed on one side
0844	03R003	4	11 cm	sand	brownish reddish	few RX, wood	none	slightly washed on one side
0938	03R003 R2	1	14 cm	sand/organic-rich layer at depth (finer	reddish brown	wood cobbles, shell	none	
0948	03R003 R2	2	13	mostly sand		some (shell) wood debris	none	small [illegible] at surface of gas
1000	03R003 R2	3	10	sand, underlain by clayey fine layer (at 8cm	brownish	wood, cobbles	none	slightly washed on one side - ~~[illegible]~~ not sub-sample here.
1012	03R003 R2	4	12.5	sand to bottom - ~~to~~ some darker pockets	brown to dark gray	wood, rocks	none	~~sa~~ small flocs (sheen
1039	03R003 R3	1	12	Sand over clay layer at 10cm	brownish to dark gray	wood rocks	none	
1055	03R003 R3	2	11.5	~~Sand [illegible]~~ all sand	brown reddish	wood rocks	none	

Comments:

Date: 10/17/02

SAMPLE LOG

Time	Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
1102	03R003 Rep3	3	13	shellfrags at surface, brown, sorted sand throughout grab	Brown	Rx, wood	NONE	
1110	03R003 Rep3	4	14.5	sand with clay layer at 8-10cm	Brown, some gray	wood, cobbles, goal ant.	NONE	
1221	03R032	1	16.5	silt, mostly, thin brown layer at	greenish brown		NONE	sample from "sheltered" area under pier
1228	03R032	2	16.5	silt, lots of wood debris thruout, thin brown layer at surface	greenish brown, gray light	wood	none	
1248	03R032	3	16.5	brown/gray silt, lots of wood chips	brownish gray	wood	None	
1411	08R002	1	13	sand - speckled red green, white, fines at depth	dark gray	speckled, brick fragment?	slight organic	
1415	08R002	2	8*	sand w fines, some speckled, color	gray/brown	speckled CS sp. stuff	slight organic	*minimal penetration, but better due to (limits) access inside boom at this locale
1420	08R003	3	13	sand, speckled grains red, green, white	darker gray/br	speckled grains	slight organic	~~slightly~~ Slight sheen
~~150~~ 1456	03R001	1	13	thin silt over sand	reddish gray sand brown silt	None	NONE	
	03R001	2	13	sand, muddy layer at 10cm, 2cm intermixed black organic spots	brown sand, some gray/black areas	sticks, rocks	NONE	

Comments:

SAMPLE LOG

Date: 10/17/02

Time	Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
1512	0 3N2001	3	15	mostly sand, with brown silt on top, organic dark pockets / silt underlying	brown sand & gray silt	~~sand~~ wood, sticks	organic	
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~ cm	~~[illegible]~~	~~brown~~ gray	~~wood~~	~~N~~	

Comments:

Date: 10/18/02

SAMPLE LOG -Co-located Sites

Time	Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
0935	06R031	1	16	silt, green (algae) on surface,	Brown to gray	wood	None	Sheen (floret on surface) of water
0944	06R031	2	16	Brown sand (med/fine), some silt	"	wood, NAPL at depth ≥ 5cm	hydro-carbons	Sheen, ~~[illegible]~~
0956	06R031	3	13	sand/silt mixture, sheen at surface + throughout	Brown to gray	shell frag/ wood, Rocks	Hydrocarb	Hydrocarbon evident throughout
1104	03R002	1	17.5	silt throughout, Brown [illegible] on top w/ 1-2 cm. lt. gray beneath	brown/ gray	shell frag, plastic bag, wood	[illegible]	[illegible] (2 3.5
1125	03R002	2	17	silt throughout	Brown/ gray	wood (lots)	NONE	
1133	03R002	3	15	silt throughout, some cohesiveness	Brown over gray	lots of shells	NONE	Sheen/floret, some streaks, on homogenate
1242	03R004	1	16	sand over silt (at 6cm) & sharp ~~[illegible]~~ transition	Brown sand, some shells, over silt/gray	some, wood	moderate organic odor	
1250	03R004	2	15	Sand (2cm) over dark gray sand, silt at 8cm	Brown/ gray/ sand gray silt	some wood [illegible]	NONE	
~~1257~~ 1257	03R[illegible]	3	17	[illegible] silt	Brown [illegible]	[illegible] shells shell	None	[illegible] on composite
1357	03R004 R2	1	16cm	sand throughout - fairly coarse	brown, orange	wood	NONE	

Comments:

SAMPLE LOG

Date: 10/18/02

Time	Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
1405	03R004 Rep 2	2	14	Brownish sand over ~~silt (gray)~~ — at 3cm blackish sand, to gray silt sen	Brown to black gray silt	Sticks, shell	None	
1413	03R004 Rep 2	3	14 cm	Brown/orange sand to 2cm, transition to gray/black sand, silt at 5-6 sediment	Brown/blackish sands, gray silt	wood	None	Sheen (slight on homogenate in bowl)
1430	03R004 Rep 3	1	14 cm	Reddish/Brownish sand pockets of gray/black sand - sand thru/out	Brown, gray	wood	None	
1432	03R004 Rep 3	2	14 cm	Sand, throughout brownish		sticks		
1447	03R004 Rep 3	3	17cm	Brown silt/over greenish gray silt, plant material (green) at silt	brown to greenish gray	None	None	full penetration

Comments:

SAMPLE LOG

Date: 10/22/02

Co-located seds

	Time	Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
PG	0935	06R004	1	26	~~Black~~ brownish/black sand, dark gray, sand throughout	red, br/ brown to black at depth	glass, rocks	NONE	good, undisturbed
PG	0950	06R004	2	22	Sand throughout, some gravel	RDW black at 6-7cm	sticks,	none	"
PG	1007	06R004	3	20	Sand, minor silt fraction	Brown/ Black	wood	NONE	slight sheer on composite
VV	1059	07R003	1	10cm	silty with sand specs, organic, plant material	greenish gray, dark	wood	organic odor	
VV	1121	07R003	2	16cm	greenish/gray silt, black specs, sand under surface fines at 8cm	gray/green	Rocks, wood	slight organic	
VV	1128	07R003	3	14cm	silt at peat-like subsurface with some sand, silty sand	greenish, gray	wood	slight organic	
VV	1050	07R003	Benthos	12CM	~~same as~~ greenish/ gray silt, black specs		wood		sieved thru 0.5 mm sieve for taxonomy
VV	1311	08R001	Benthos	14CM	sandy (fine)/silt	dark gray	wood	organic	Sieved thru 0.5mm for taxonomy
	1316	08R001	1	15cm	silt/sand mixture cf	brown/olive over gray	~~rare~~ minor wood	NONE	
	1339	08R001	2	16.5	silt/sand (cf) mix	brown over gray			

Comments:

PG = power grab
VV = van veen

Date: 10/22/02

SAMPLE LOG - collocated seds

	Time	Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
W	1407	08R001	3	17	silt throughout,	brown dark gray	None	organic	slightly over penetrated, 18th attempt - kept
W	1439	09R002	Beaters	14	sandy silt thin layer	browns gray	wood chips	None	~~[illegible]~~
W	1454	09R002	1	16.5	Brown/gray silt, green algae on surface/gray/black at depth silt throughout	brown/gray/black	wood	slight organic	more cohesive at depth
W	1506	09R002	2	15cm	silt/throughout algae on surface	Brown	wood	organic	
W	1515	09R002	3	15cm	olive/brown silt with black specs/layer of sand at ~8cm	olive/brown to gray	wood	None	
PG	1557	08R003	Beaters	12cm 4X0.25cm	silty sand with clay intrusions,	olive/brown brown dark gray	wood rocks	~~none~~ organic	small sheens on surface
PG	1620	08R003	1	26	silty sand, red specks, over gray clay layer at 5cm (with sheen	brown sand over gray clay	wood rocks	None	small sheen spots on surface
PG	1641	08R003	2	21.5	predominately sand, clay layer at about 6cm	gray sand, gray clay	large wood debris clam shells	None	small sheens on surface green algae
PG	1718	08R003	3	26	Brown ~~gray~~ sand, some silt	brown to gray	wood	None	flecks in gray sand

Comments:

Date: 10/23/02

SAMPLE LOG -co-located Sed's

page 1 of 3

Time	Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
0914	06R001	Bentos	16.5	gr-brown/gray silt	brown/gnb, black/tex	leaf litter	NONE	Sheen [illegible]
0919	06R001	1	16.5	silt, throughout	brownish to gray at about 5cm	leaf litter	None	
0929	06R001	2	16.5	silt, 0-15cm, a little sand below 15cm	olive/brn to gray at 8cm	wood debris/ leaf	NONE	
0937	06R001	3	17	silt, throughout 0-15, sand 15cm	olive/brn to gray	leaf litter	NONE	Sheen on homogenate
W 1018	06R002	Bentos	8	Sand, some silt, wood	brown/gray	wood	NONE	[illegible] good bnd-[illegible] surface
Pb 1046	06R002 rep 2	1	29	silt, Δ to clay at about 8cm	brown/gray	wood chips, silt	NONE	Sheen [illegible]
1103	06R002 rep 2	2	14cm	sand throughout reddish flecks	brownish gray	stick, odor	NONE	
1137	06R002 Rep 2	3	29	sand-reddish/brown on top, throughout 0-15cm	reddish brown	wood debris	NONE	
1203	06R002 Rep 2	1	29	olive brown silt	brownish, gray	wood debris	NONE	
	06R002 Rep 2	2	20	reddish brown green alga on surface, sand throughout		wood debris shell	NONE	

Comments:

Date: 10/23/02

SAMPLE LOG - Co-Located Sds

	Time	Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
PG	1227	06R002 rep2	3	20	brown sand throughout	brown, reddish	wood ~~clay~~	NO	small flecks in homogenate
PG	1240	06R002 rep 3	1	29	silt/sand	olive/brown gray	wood	NONE	
PG	1303	rep3 06R002	2	28	brown sand, sand throughout		sticks, wood,	NONE	sheen in cayposite
PG	1323	06R002	3	26	reddish/brown sand throughout	reddish brown	wood, logs + sticks	NONE	
VV	1429	05R003	Benthos	12	silty, green algae small sheen on surface	Brown over gray	wood/ sticks	NONE	slightly mottled in one edge but good undisturbed surface
	1436	05R003	1	11.5	~~clay~~/sand/silt mottled	olive gray and brown	wood	NONE	
	1443	05R003	2	8	veneer of brown/sand over gray sand over silt	browns to gray	wood cobbles	NONE	good sds, minimal penetration, but good surface
	1457	05R003	3	9.5	same as rep 2 with algae at surface	———	———	→	some washy in one corner lots of wood debris at location
	1533	04R003	Benthos	~~22~~ 8cm	silt/over clay	olive gray			slightly mottled, lots of tubes at surface
	1545	04R003	1	15cm	sand throughout	brown over gray/olive gray	wood debris	organic	slight sheen

Comments:

0/23/02

SAMPLE LOG Co-locatio[illegible] Sediments

Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
04R003	2	14	sand throughout, red flecks on top	Brown to gray to black	wood	none	
04R003	3	11	sand ~~throughout~~, black specs, at 5-6 cm cohesive clay layer	Brown to dark gray sand gray clay	wood	none	slight water on side, sample taken from other
04R004	Bottle	16	silt, lots of leaf litter, small wood chips	brown to dark gray	wood plant debris	none	
04R004	1	18	silt throughout	Olive/brown on top	plant debris	none	small flecks of sheen
04R004	2	15	silt throughout, but more elastic (sticky) at 5-10 cm	olive brown over gray	rocks lots of wood debris	none	sheen
04R004	3	12	sand throughout	red/brown over gray	plant debris	none	

ts:

Date: 10/24/02

SAMPLE LOG - Co-Located Seds

Time	Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
0842	09R001	Bulk	16	silt throughout.	olive/brown gray	Plastic cup	none	Sheen
0854	09R001 Rep1	1	11.5	v. coarse sd, gravel	gray/brown black specks	leaf litter sticks, clam shell's	None	
0939	09R001 Rep 1	2	11	sand, gravel, pebbles	brown/gray	lots of wood leaf litter	None	
0948	09R001 Rep1	3	17.5	silt, throughout	olive brown over dim gray	wood	none	Sheen
1014	09R001 Rep2	1	11	coarse sand, gravel	brown over black	wood leaf	None	
1019	09R001 Rep2	2	17	silt throughout	olive tan to olive gray	wood	None	
1035	09R001 Rep2	3	14	sand/gravel throughout	brown over gray/black	wood	none	sheen
1056	09R001 Rep3	1	12	Silt over sand	Brown/gray	wood leaf	none	slight floret
1108	09R001 Rep3	2	17	silt throughout	olive brown black & red specks	sticks,	None	very slight sheen
1121	09R001 Rep3	3	15.5	silt/lots of wood debris	brown sand with gray	wood	None	

Comments:

Date: 10/24/02

SAMPLE LOG Co. Located sediments

Time	Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
1253	02R001	Grabber	14	silt throughout	olive tan over olive gray	Plant debris	none	
1300	02R001	1	14	silt with ~~deeper~~ ~~[illegible]~~ sand layer at 8cm	olive tan over olive gray	plant debris	None	
1305	02R001	2	17	silt throughout	brown over gray	none	none	
1312	02R001	3	17	silt with sand layer at 8 cm	brown over gray/black	none	none	
1354	03R005	Grabber	18	silt with "calcite" type deposit ~~[illegible]~~	medium brown	Rocks	strong chemical odor	sheens, acidic smell
1400	03R005	1	15	silt throughout	brown over gray	wood	mild organic	
1408	03R005	2	18	very low density, tiny ~~[illegible]~~ precipitates, tiny with depth to pale yellow/white	light gray. brown	leaf, sticks	strong chemical odor	
1419	03R005	3	~~[illegible]~~ 17	Sand thru/out	Brownish gray sand over gray/black sand	sticks	NONE	sheens on homogenate

Comments:

Benthic Sampling of
12/5/02 10 additional stations **SAMPLE LOG**

Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
5R040	1	15	silt over sand	olive/brown → gray silt, dk gray sand	some wood chunks of a tar-like substance	none	good, lots of oily sheen
6R040	1	7	sand	brown w/ red, black specks	some wood	none	good
3R040	1	14	silt	olive brown over olive gray	some wood	none	good
7R040	1	17	silt	olive brown over olive gray	none	none	good
R041	1	17	silt	olive brown over olive gray	none	none	good
1R040	1	17	silt	olive brown over lt gray	none	none	slightly o/p
1R041	1	15	silt	olive brown over olive gray	none	none	good
5R041	1	14	silt over sand	olive brown silt over olive gray silt over gray sand	some wood	none	good
R041	1	18	silt	olive brown silt over olive gray	none	none	slightly o/p
3R040	1	16	silt over sand	olive brown silt over olive gray silt over dk gray sand	lots of wood	none	good, some oily sheen on screen after rinsing benthic sample

s:

SAMPLE LOG

Date: 10/28/02

Time	Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
0904	06R040	1	15	sand, some silt	red brown	some wood	none	good
0911	06R040	2	14	sand, some silt	red brown, gray	some wood	none	good
0920	06R040	3	15	sand, some silt	red-brown, pockets of gray-blk	some wood	none	good, * some floats of oily sheen on the composite
0955	07R040	1	18	silt	olive-brown over olive gray	stick in jaws	none	slightly o/p
1004	07R040	2	18	silt	olive-brown over olive gray	some wood	none	slightly o/p, some sheen
1022	07R040	3	18	silt	olive-brown over olive gray	some wood	none	slightly o/p
1041	08R040	1	16	silt over w/ black specks of sand sandy silt	olive-brown over olive gray silt olive gray sandy silt	some wood	none	good
1047	08R040	2	16	silt w/ black specks of sand over sandy silt	olive brown over olive gray silt olive gray sandy silt	some wood	none	good some oily sheen
1054	08R040	3	17	silt w/ black specks of sand over sandy silt	olive brown over olive gray silt, olive gray sandy silt	some wood, trash	none	good some oily sheen
1123	08R041	1	17.5	silt	olive brown over olive gray	some wood	none	good some oily sheen

Comments:

SAMPLE LOG

Date: 10/28/02

Time	Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
1129	08R041	2	17.5	silt	olive brown over olive gray	none	none	good, some oily sheen
1139	08R041	3	18	silt	olive brown over olive gray	none	none	slightly o/p, some oily sheen
1233	09R041	1	15	silt over sandy silt	olive brown over olive gray silt, lt/dk gray sandy silt	none	none	good
1238	09R041	2	14	silt over sandy silt	olive brown over olive gray silt, lt/dk gray sandy silt	none	none	good
1243	09R041	3	10	silt over sandy silt	olive brown over olive gray silt lt/dk gray sandy silt	none	none	good
1301	09R040	1	17.5	silt over sandy silt at ~8cm	olive brown over gray silt, dk gray sandy silt	none	none	good, slightly o/p
1312	09R040	2	17.5	silt	olive brown over lt olive gray	some plant	none	good, slightly o/p
1319	09R040	3	17.5	silt	olive brown over olive gray	some plant	none	good, slightly o/p
1405	05R040	1	16.5	silt over silty sand	olive brown over lt gray silt, blk-dk gray sand	none	none	good
1411	05R040	2	15	silt over sand sand is very clumpy some clumps of clay (brown, gray)	olive brown over lt gray silt, black sand	some wood	none	good, some oily sheen

Comments:

SAMPLE LOG

Date: 10/28/02

Time	Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
1441	05R041	1	16	silt w/ black sand specks over sand	brown over olive gray silt over black sand	some wood	none	good, some oily sheen
1447	05R041	2	16.5	silt over sand	olive brown silt over olive gray silt, dk gray black sand	some wood	none	good
1458	05R041	3	15 5	silt over sand	olive brown w/ black specks over lt gray silt, black sand	some wood	none	good
1529	03R040	1	15	silt over sandy silt	olive brown over olive gray silt lt/dk gray sandy silt	none	none	good
Could not get an acceptable sample at this station using van Veen grab sampler. Sediment collected in rep #1 was discarded on site and we will attept to resample this station at another time.								
1602	03R041	1	18	silt	olive brown over olive gray	none	none	slightly o/p
1609	03R041	2	18	silt	olive brown over olive gray	none	none	slightly o/p
1618	03R041	3	18	silt	olive brown over olive gray	none	none	slightly o/p

Comments:

SAMPLE LOG

Date: 10/29/02

Page: 1 of 1

Time	Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
0831	03R040	1	28	silt over ~~sand~~ sandy silt	olive brown over olive gray	lots of wood	none	good
0841	03R040	2	26	silt/sandy silt over silt	olive brown over olive to lt gray	wood, some metal	none	good
0905	03R040	3	20	sandy silt over sand	olive brown over olive gray silt. dk gray sand	lots of wood, trash	none	discontinuous sediment surface due to large amount of wood

Comments:

SAMPLE LOG

Date: 11/05/02

Time	Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
1111	07R030	1	10cm	sand over silty sand	olive brown w/ black specks sand over olive gray silty sand	lots of wood	none	good, some oily sheen
1126	07R030	2	11 cm	sand over silty sand	same as previous, white specks in silty sand	some wood	none	good, some oily
1133	07R030	3	10 cm	sand over silty sand	olive brown sand over olive gray silty sand	some wood, rocks	none	good

Comments:

Date: 11-12-02

SAMPLE LOG - Co-located Sediments

Time	Station	Rep	Pen (cm)	Texture	Color	Debris	Odor	Sample Quality/Comments
0956	03R034	1	10	Med Sand throughout well sorted w/ gravel and cobble	brown-m.gray	Rocks	NO	
1004	03R034	2	16	Med Sand throughout well sorted w/ less gravel	brown-m gray		No	
1011	03R034	3	11.5	Thin silt over sand, Minor sheen cobbles in sand, mud chunks(lg)	brn-m gr	bubbles mudchunk	NO	
1039	03R034	4	11	Lg clay balls in sand well sorted sands, trks, fin silt on top(thin) lg. debris (slag)	brn-m gry	slag	NO	Sheen on comp.
1141	07R006	1	15.5	Silt on sfc. f.sand after 10cm	brown-med dk. gry	None present	NO	no clams
1151	07R006	2	14	Silt/clay throughout v.little sand thin brown sfc layer < 1cm	med-gry olive-gry	very little	NO	
1201	07R006	3	16	Thin brown over mud silt/clay v.little fine sand soft matrix stiffening w/ depth	thin brown over ol.gy mud	stick	NO	sm. sheen on comp.
1245	07R004	1	12.5	well sorted sand; some gravel cobble, woodchip, distinct 1cm tan layer @ sfc over dk gry	1cm tan sfc over dk gry layer	woodchip cobble gravel	~~NO~~ slight organic	
1254	07R004	2	14.5	well sorted sand, a little finer than previous station	brown on top of med-dk gy	twigs plant matl woodchips plastic bag	NO	sm. sheen on water over grab
1307	07R004	3	17	silt/clay - no sand sm. sheen on grab station matrix at depth	thin brn over med-gry	sm wood chips	NO	Sheen on comp.

Comments:

Appendix B

APPENDIX B: SEDIMENT AND BENTHIC INFAUNA STATION SAMPLING COORDINATES

Table B-1. Sediment And Benthic Infauna Station Sampling Coordinates.

Table B-1 Sediment and Benthic Infauna Station Sampling Coordinates.

Station	Grab Number[1]	Station Replicate[2]	Date	Time	Observed Depth (feet)	Sample Location NAD 1983, Oregon North X-Easting	Y-Northing	Sample Location NAD 1983, Decimal Minutes Lat	Long	Description
02R001	4		10/24/2002	12 53 PM	20 5	7617141 99	723503 8998	45 37 7075	122 47 2134	benthos
02R001	1		10/24/2002	1 00 PM	18 3	7617147 487	723532 3174	45 37 7122	122 47 2123	sub-tidal sediment
02R001	2		10/24/2002	1 05 PM	21 1	7617125 162	723497 0809	45 37 7063	122 47 2173	sub-tidal sediment
02R001	3		10/24/2002	1 12 PM	19 9	7617111 732	723444 5702	45 37 6976	122 47 2201	sub-tidal sediment
02R015	2		10/16/2002	10 55 AM	13	7617203 935	723622 4115	45 62879319	122 786602	sub-tidal sediment
02R015	7		10/16/2002	11 18 AM	18	7617222 342	723710 3093	45 62903559	122 786540	sub-tidal sediment
02R015	13		10/16/2002	11 39 AM	18 5	7617279 985	723851 709	45 62942771	122 786330	sub-tidal sediment
03R001	1		10/17/2002	2 56 PM	6	7616906 781	719965 0892	45 61874358	122 787358	sub-tidal sediment
03R001	3		10/17/2002	3 05 PM	10	7616887.557	720058 1268	45 61899715	122 787444	sub-tidal sediment
03R001	5		10/17/2002	3 12 PM	9	7616872 644	720125 3483	45 61918028	122 787509	sub-tidal sediment
03R002	3		10/18/2002	11 04 AM	13	7615813 177	717932 0514	45 61308502	122 791405	sub-tidal sediment
03R002	6		10/18/2002	11 25 AM	11	7615778 354	717975 071	45 61320025	122 791546	sub-tidal sediment
03R002	7		10/18/2002	11 33 AM	3	7615726 295	718017 832	45 61331343	122 791754	sub-tidal sediment
03R003	1	1	10/17/2002	8 15 AM	6	7617331 251	718408 2612	45 61450847	122 785528	sub-tidal sediment
03R003	3	1	10/17/2002	8 27 AM	5	7617379 813	718354 9522	45 61436609	122 785332	sub-tidal sediment
03R003	4	1	10/17/2002	8 36 AM	6	7617393 545	718310 9891	45 61424663	122 785274	sub-tidal sediment
03R003	5	1	10/17/2002	8 44 AM	5	7617355 041	718386 8623	45 61445165	122 785432	sub-tidal sediment
03R003	1	2	10/17/2002	9 38 AM	7	7617342 637	718394 5121	45 61447166	122 785482	sub-tidal sediment
03R003	2	2	10/17/2002	9 48 AM	5	7617370 808	718350 611	45 61435349	122 785367	sub-tidal sediment
03R003	5	2	10/17/2002	10 00 AM	4	7617392 928	718309 9998	45 61424387	122 785276	sub-tidal sediment
03R003	9	2	10/17/2002	10 12 AM	7	7617354 754	718374 939	45 61441894	122 785432	sub-tidal sediment
03R003	1	3	10/17/2002	10 39 AM	5	7617337 464	718413 4511	45 61452318	122 785504	sub-tidal sediment
03R003	5	3	10/17/2002	10 55 AM	3	7617376 867	718348 5209	45 61434823	122 785343	sub-tidal sediment
03R003	6	3	10/17/2002	11 02 AM	3	7617402 367	718300 7122	45 61421914	122 785238	sub-tidal sediment
03R003	8	3	10/17/2002	11 10 AM	4	7617365 244	718364 7717	45 61439188	122 785390	sub-tidal sediment
03R004	1	1	10/18/2002	12 42 PM	8	7618606 753	715445 0574	45 60648364	122 780218	sub-tidal sediment
03R004	2	1	10/18/2002	12 50 PM	7	7618587 063	715479 4376	45 60657637	122 780299	sub-tidal sediment
03R004	3	1	10/18/2002	12 57 PM	7	7618563 786	715522 8156	45 60669349	122 780395	sub-tidal sediment
03R004	1	2	10/18/2002	1 57 PM	7	7618616 051	715447 0054	45 6064897	122 780182	sub-tidal sediment
03R004	2	2	10/18/2002	2 05 PM	7	7618587 187	715482 9358	45 60658597	122 780299	sub-tidal sediment
03R004	3	2	10/18/2002	2 13 PM	5	7618572 991	715528 7275	45 60671041	122 780359	sub-tidal sediment
03R004	1	3	10/18/2002	2 30 PM	8	7618611 788	715456 5256	45 60651547	122 780200	sub-tidal sediment
03R004	2	3	10/18/2002	2 36 PM	7	7618598 482	715482 1683	45 60658474	122 780255	sub-tidal sediment
03R004	5	3	10/18/2002	2 47 PM	6	7618557 835	715522 3964	45 60669188	122 780418	sub-tidal sediment
03R005	2		10/24/2002	1 54 48 PM	11 5	7619914 352	717033 7288	45 36 6561	122 46 5207	benthos

Table B-1 Sediment and Benthic Infauna Station Sampling Coordinates.

Station	Grab Number[1]	Station Replicate[2]	Date	Time	Observed Depth (feet)	Sample Location NAD 1983, Oregon North X-Easting	Y-Northing	Sample Location NAD 1983, Decimal Minutes Lat	Long	Description
03R005	2		10/24/2002	2 00 26 PM	13 9	7619957 174	717039 2098	45 36 6572	122 46 5107	sub-tidal sediment
03R005	3		10/24/2002	2 08 12 PM	11 2	7619866 263	717038 1232	45 36 6566	122 46 5320	sub-tidal sediment
03R005	4		10/24/2002	2 19 38 PM	15 2	7619835 464	717035 3433	45 36 6560	122 46 5392	sub-tidal sediment
03R032	5		10/17/2002	12 21 PM	24	7616410 42	716536 7834	45 60930631	122 788918	sub-tidal sediment
03R032	6		10/17/2002	12 28 PM	12	7616441 466	716399 1942	45 60893152	122 788781	sub-tidal sediment
03R032	14		10/17/2002	12 48 PM	8	7616488 066	716286 457	45 60862607	122 788587	sub-tidal sediment
03R034	4		11/12/2002	9 56 AM	50 09	7618581 77	717307 80	45 61158334	122 7805806	sub-tidal sediment
03R034	5		11/12/2002	10 04 AM	51 09	7618510 89	717315 88	45 61160000	122 7808583	sub-tidal sediment
03R034	6		11/12/2002	10 11 AM	52 57	7618405 62	717314 80	45 61158889	122 7812694	sub-tidal sediment
03R034	18		11/12/2002	10 39 AM	52 9	7618381 97	717308 38	45 61156946	122 7813611	sub-tidal sediment
03R040	6		10/25/2002	4 16 PM	14 6	7615356 104	719067 8807	45 36 9698	122 47 5990	benthos
03R040	8		10/29/2002	4 31 PM	14 3	7615360 061	719072 0239	45 36 9705	122 47 5981	sub-tidal sediment
03R040	9		10/29/2002	4 41 PM	13 9	7615347 255	719071 7796	45 36 9704	122 47 6011	sub-tidal sediment
03R040	10		10/29/2002	5 08 PM	13 6	7615357 176	719060 555	45 36 9686	122 47 5987	sub-tidal sediment
03R041	6		10/25/2002	3 48 PM	46 3	7616651 064	719991 0888	45 37 1277	122 47 3016	benthos
03R041	3		10/28/2002	4 02 PM	46 2	7616659 744	719996 3143	45 37 1286	122 47 2996	sub-tidal sediment
03R041	4		10/28/2002	4 09 PM	46 8	7616655 206	719986 7159	45 37 1270	122 47 3006	sub-tidal sediment
03R041	6		10/28/2002	4 18 PM	47 4	7616645 286	719997 9398	45 37 1288	122 47 3030	sub-tidal sediment
04R002	7		10/16/2002	2 04 PM	28	7620433 054	713296 8518	45 6007354	122 772849	sub-tidal sediment
04R002	17		10/16/2002	2 36 PM	35	7620426 468	713289 3699	45 60071438	122 772874	sub-tidal sediment
04R002	19		10/16/2002	3 07 PM	40	7620409 648	713320 3919	45 60079813	122 772943	sub-tidal sediment
04R003	2		10/23/2002	3 33 PM	28	7620391 499	714455 3798	45 36 2345	122 46 3883	benthos
04R003	3		10/23/2002	3 45 PM	27	7620365 818	714513 2483	45 36 2439	122 46 3947	sub-tidal sediment
04R003	4		10/23/2002	3 54 PM	39	7620405 653	714427 6245	45 36 2300	122 46 3848	sub-tidal sediment
04R003	6		10/23/2002	4 01 PM	30	7620389 742	714453 6054	45 36 2342	122 46 3887	sub-tidal sediment
04R004	5		10/23/2002	4 30 PM	9 3	7618225 368	712186 2429	45 35 8512	122 46 8809	benthos
04R004	2		10/23/2002	4 36 PM	9	7618265 823	712152 8798	45 35 8459	122 46 8712	sub-tidal sediment
04R004	8		10/23/2002	4 51 PM	13 8	7618163 308	712255 4766	45 35 8623	122 46 8959	sub-tidal sediment
04R004	10		10/23/2002	5 03 PM	7 2	7618212 421	712181 1372	45 35 8503	122 46 8839	sub-tidal sediment
05R001	3		10/16/2002	12 48 PM	6	7620969 903	710459 2769	45 59299748	122 770440	sub-tidal sediment
05R001	6		10/16/2002	12 58 PM	7	7620998 172	710412 7452	45 59287209	122 770325	sub-tidal sediment
05R001	8		10/16/2002	1 10 PM	9	7620961 586	710464 0373	45 59300989	122 770473	sub-tidal sediment
05R003	1		10/23/2002	2 29 PM	10	7622279 931	708482 2949	45 35 2607	122 45 9065	benthos
05R003	1		10/23/2002	2 35 PM	3	7622316 713	708484 911	45 35 2613	122 45 8979	sub-tidal sediment

Table B-1 Sediment and Benthic Infauna Station Sampling Coordinates

Station	Grab Number[1]	Station Replicate[2]	Date	Time	Observed Depth (feet)	Sample Location NAD 1983, Oregon North X-Easting	Y-Northing	Sample Location NAD 1983, Decimal Minutes Lat	Long	Description
05R003	3		10/23/2002	2 43 PM	2	7622356 276	708464 9558	45 35 2582	122 45 8885	sub-tidal sediment
05R003	5		10/23/2002	2 57 PM	5	7622240 604	708556 3493	45 35 2727	122 45 9162	sub-tidal sediment
05R020	4		10/16/2002	3 51 PM	20	7621696 975	707576 6533	45 58515063	122 767285	sub-tidal sediment
05R020	5		10/16/2002	3 59 PM	15	7621626 194	707629 9325	45 58529125	122 767567	sub-tidal sediment
05R020	7		10/16/2002	4 08 PM	20	7621527 504	707719 0122	45 58552787	122 767963	sub-tidal sediment
05R040	1		10/25/2002	9 05 AM	56 7	7621562 088	708090 8706	45 35 1930	122 46 0721	benthos
05R040	1		10/28/2002	2 05 PM	53 9	7621561 405	708096 969	45 35 1940	122 46 0723	sub-tidal sediment
05R040	2		10/28/2002	2 11 PM	53 7	7621553 609	708092 9324	45 35 1933	122 46 0741	sub-tidal sediment
05R040	3		10/28/2002	2 19 PM	53 7	7621567 854	708083 4135	45 35 1918	122 46 0707	sub-tidal sediment
05R041	1		10/25/2002	3 08 PM	79 2	7619903 84	710927 9015	45 35 6520	122 46 4793	benthos
05R041	1		10/28/2002	2 41 PM	80 4	7619899 661	710931 0589	45 35 6525	122 46 4803	sub-tidal sediment
05R041	2		10/28/2002	2 47 PM	80 4	7619901 93	710935 8584	45 35 6533	122 46 4798	sub-tidal sediment
05R041	3		10/28/2002	2 58 PM	79 6	7619896 08	710940 2787	45 35 6540	122 46 4812	sub-tidal sediment
06R001	1		10/23/2002	9 14 AM	2 5	7622579 441	706162 5563	45 34 8805	122 45 8211	benthos
06R001	1		10/23/2002	9 30 AM	2 5	7622586 266	706162 365	45 34 8805	122 45 8195	sub-tidal sediment
06R001	2		10/23/2002	9 28 AM	4.5	7622638 765	706177 3077	45 34 8832	122 45 8073	sub-tidal sediment
06R001	4		10/23/2002	9 37 AM	4	7622615 885	706168 2221	45 34 8816	122 45 8126	sub-tidal sediment
06R002	2		10/23/2002	10 18 AM	10 5	7627068 367	705801 3612	45 34 8417	122 44 7672	benthos
06R002	2	1	10/23/2002	10 46 AM	8 5	7627052 618	705803 015	45 34 8419	122 44 7709	sub-tidal sediment
06R002	3	1	10/23/2002	11 03 AM	11	7627039 83	705834 3748	45 34 8470	122 44 7741	sub-tidal sediment
06R002	5	1	10/23/2002	11 37 AM	20	7626871 901	705818 3762	45 34 8436	122 44 8 122	sub-tidal sediment
06R002	2	2	10/23/2002	12.02 PM	10	7627055 245	705805 3737	45 34 8423	122 44 7703	sub-tidal sediment
06R002	3	2	10/23/2002	12 14 PM	11 3	7627030 446	705834 6357	45 34 8470	122 44 7763	sub-tidal sediment
06R002	4	2	10/23/2002	12 27 PM	18 7	7626873 407	705821 3739	45 34 8441	122 44 8130	sub-tidal sediment
06R002	1	3	10/23/2002	12 40 PM	10	7627056 985	705806 5411	45 34 8425	122 44 7699	sub-tidal sediment
06R002	3	3	10/23/2002	1 03 PM	11.3	7627031 641	705831 5629	45 34 8465	122 44 7760	sub-tidal sediment
06R002	5	3	10/23/2002	1 23 PM	19	7626871 089	705814 7513	45 34 8430	122 44 8135	sub-tidal sediment
06R004	1		10/22/2002	9 35 AM	3	7626146 087	704246 4277	45 34 5817	122 44 9731	sub-tidal sediment
06R004	2		10/22/2002	9 50 AM	3	7626188 965	704191 7364	45 34 5729	122 44 9627	sub-tidal sediment
06R004	3		10/22/2002	10 07 AM	6	7626250 917	704147 4565	45 34 5659	122 44 9479	sub-tidal sediment
06R031	3		10/18/2002	9 35 AM	6	7627220 522	705239 7283	45 57916684	122 745465	sub-tidal sediment
06R031	4		10/18/2002	9 44 AM	5	7627256 944	705289 4166	45 57930584	122 745328	sub-tidal sediment
06R031	5		10/18/2002	9 56 AM	5	7627312 267	705354 6979	45 57948903	122 745119	sub-tidal sediment
06R040	1		10/25/2002	9 43 AM	18 6	7624743 718	706512 3624	45 34 9480	122 45 3164	benthos

Table B-1 Sediment and Benthic Infauna Station Sampling Coordinates

Station	Grab Number[1]	Station Replicate[2]	Date	Time	Observed Depth (feet)	Sample Location NAD 1983, Oregon North X-Easting	Y-Northing	Sample Location NAD 1983, Decimal Minutes Lat	Long	Description
06R040	2		10/28/2002	9 04 AM	18 6	7624746 26	706511 6835	45 34 9479	122 45 3158	sub-tidal sediment
06R040	3		10/28/2002	9 11 AM	18 3	7624746 619	706509 2418	45 34 9475	122 45 3157	sub-tidal sediment
06R040	6		10/28/2002	9 20 AM	19 5	7624736 144	706501 0233	45 34 9461	122 45 3181	sub-tidal sediment
07R003	3		10/22/2002	10 50 AM	8	7628532 143	701690 0676	45 34 1721	122 44 3976	benthos
07R003	2		10/22/2002	10 59 AM	3	7628566 533	701636 8328	45 34 1635	122 44 3892	sub-tidal sediment
07R003	9		10/22/2002	11 21 AM	4	7628510 89	701708 8947	45 34 1751	122 44 4027	sub-tidal sediment
07R003	10		10/22/2002	11 28 AM	4	7628517 531	701702 0234	45 34 1740	122 44 4011	sub-tidal sediment
07R004	2		11/12/2002	12 45 PM	5 5	7628957 37	703927 50	45 57569641	122 738602	sub-tidal sediment
07R004	4		11/12/2002	12 54 PM	9 8	7628915 17	703891 91	45 57559563	122 738763	sub-tidal sediment
07R004	9		11/12/2002	1 07 PM	9 1	7628865 08	703853 25	45 57548583	122 738954	sub-tidal sediment
07R006	2		11/12/2002	11 37 AM	8	7627839 48	702496 65	45 5716886	122 742811	sub-tidal sediment
07R006	3		11/12/2002	11 41 AM	10 2	7627876 47	702496 19	45 57169016	122 742666	sub-tidal sediment
07R006	5		11/12/2002	11 51 AM	9	7627934 07	702397 63	45 57142433	122 742431	sub-tidal sediment
07R006	7		11/12/2002	12 01 PM	6 5	7627789 78	702536 16	45 57179313	122 743009	sub-tidal sediment
07R040	3		10/25/2002	11 39 AM	62 8	7631052 234	701059 2247	45 34 0798	122 43 8033	benthos
07R040	2		10/28/2002	9 55 AM	62 4	7631044 085	701042 428	45 34 0770	122 43 8051	sub-tidal sediment
07R040	3		10/28/2002	10 04 AM	62 0	7631057 328	701042 6703	45 34 0771	122 43 8020	sub-tidal sediment
07R040	6		10/28/2002	10 21 AM	62 4	7631048 536	701048 9922	45 34 0781	122 43 8041	sub-tidal sediment
08R001	5		10/22/2002	1 11 PM	3	7631821 796	697470 7397	45 33 4930	122 43 5999	benthos
08R001	2		10/22/2002	1 17 PM	5	7631835 343	697481 9166	45 33 4949	122 43 5968	sub-tidal sediment
08R001	5		10/22/2002	1 39 PM	5	7631865 357	697501 7584	45 33 4983	122 43 5899	sub-tidal sediment
08R001	12		10/25/2002	2 08 PM	6	7631837 594	697486 11	45 33 4956	122 43 5963	sub-tidal sediment
08R001	18		10/22/2002	2 07 PM	5	7631880 385	697551 1932	45 33 5065	122 43 5867	sub-tidal sediment
08R002	1		10/17/2002	2 10 PM	4	7630304 953	699611 8193	45 56397186	122 732816	sub-tidal sediment
08R002	2		10/17/2002	2 15 PM	8	7630263 545	699669 0882	45 56412573	122 732983	sub-tidal sediment
08R002	3		10/17/2002	2 20 PM	10	7630209 662	699717 2076	45 56425357	122 733199	sub-tidal sediment
08R003	1		10/22/2002	3 57 PM	3 5	7632481 894	700582 7096	45 34 0079	122 43 4654	benthos
08R003	1		10/22/2002	4 20 PM	4	7632484 094	700585 0807	45 34 0083	122 43 4649	sub-tidal sediment
08R003	3		10/22/2002	4 41 PM	8	7632420 294	700470 1179	45 33 9891	122 43 4791	sub-tidal sediment
08R003	7		10/22/2002	5 18 PM	17	7632504.8	700608 2192	45 34 0122	122 43 4602	sub-tidal sediment
08R040	4		10/25/2002	11 07 AM	29 3	7633545 887	701744 9495	45 34 2039	122 43 2237	benthos
08R040	1		10/28/2002	10 41 AM	27 4	7633545 577	701749 2134	45 34 2046	122 43 2238	sub-tidal sediment
08R040	3		10/28/2002	10 47 AM	27 8	7633538 341	701750 0202	45 34 2047	122 43 2255	sub-tidal sediment
08R040	4		10/28/2002	10 54 AM	27 8	7633542 984	701748 0688	45 34 2044	122 43 2244	sub-tidal sediment

Table B-1 Sediment and Benthic Infauna Station Sampling Coordinates

Station	Grab Number[1]	Station Replicate[2]	Date	Time	Observed Depth (feet)	Sample Location NAD 1983, Oregon North X-Easting	Sample Location NAD 1983, Oregon North Y-Northing	Sample Location NAD 1983, Decimal Minutes Lat	Sample Location NAD 1983, Decimal Minutes Long	Description
08R041	1		10/25/2002	12 11 PM	25 8	7632804 967	697194 4143	45 33 4520	122 43 3679	benthos
08R041	1		10/28/2002	11 23 AM	23 5	7632813 385	697189 9273	45 33 4513	122 43 3659	sub-tidal sediment
08R041	2		10/28/2002	11 29 AM	22 3	7632799 043	697196 4011	45 33 4523	122 43 3693	sub-tidal sediment
08R041	4		10/28/2002	11 39 AM	24 4	7632804 038	697207 2061	45 33 4541	122 43 3682	sub-tidal sediment
09R001	5		10/24/2002	3 42 PM	14 5	7636540 225	698591 068	45 33 6986	122 42 5022	benthos
09R001	4	1	10/24/2002	3 54 PM	12	7636634 408	698521 6228	45 33 6876	122 42 4797	sub-tidal sediment
09R001	10	1	10/24/2002	4 39 PM	19	7636339 147	698749 1527	45 33 7237	122 42 5503	sub-tidal sediment
09R001	11	1	10/24/2002	4 48 PM	15	7636523 488	698603 6838	45 33 7006	122 42 5062	sub-tidal sediment
09R001	3	2	10/24/2002	5 10 PM	11 2	7636631 703	698532 0312	45 33 6893	122 42 4804	sub-tidal sediment
09R001	5	2	10/24/2002	5 19 PM	13 8	7636535 602	698609 4317	45 33 7016	122 42 5034	sub-tidal sediment
09R001	9	2	10/24/2002	5 35 PM	17 5	7636362 018	698726 6423	45 33 7201	122 42 5448	sub-tidal sediment
09R001	2	3	10/24/2002	5 56 PM	10 7	7636629 342	698539 3907	45 33 6905	122 42 481	sub-tidal sediment
09R001	5	3	10/24/2002	6 08 PM	12 6	7636538 812	698586 2433	45 33 6978	122 42 5025	sub-tidal sediment
09R001	7	3	10/24/2002	6 21 PM	18 4	7636335 489	698755 9397	45 33 7248	122 42 5512	sub-tidal sediment
09R002	1		10/22/2002	2 39 PM	7	7637417 49	694074 6448	45 32 9596	122 42 2679	benthos
09R002	1		10/22/2002	2 54 PM	5	7637245 891	693875 0714	45 32 9260	122 42 3068	sub-tidal sediment
09R002	2		10/22/2002	3 06 PM	7 5	7637350 278	693990 7641	45 32 9455	122 42 2831	sub-tidal sediment
09R002	3		10/22/2002	3 15 PM	7 5	7637504 513	694148 8664	45 32 9722	122 42 2480	sub-tidal sediment
09R040	1		10/25/2002	12 32 PM	76 4	7638023 334	695256 3068	45 33 1567	122 42 1336	benthos
09R040	1		10/28/2002	1 01 PM	78 6	7638024 104	695253 2463	45 33 1562	122 42 1334	sub-tidal sediment
09R040	2		10/28/2002	1 12 PM	77 9	7638017 081	695261 9485	45 33 1576	122 42 1351	sub-tidal sediment
09R040	3		10/28/2002	1 19 PM	77 8	7638017 885	695260 1029	45 33 1573	122 42 1349	sub-tidal sediment
09R041	1		10/25/2002	1 42 PM	8 2	7638261 688	695665 0114	45 33 2250	122 42 0804	benthos
09R041	1		10/28/2002	12 33 PM	7 3	7638261 622	695662 5815	45 33 2246	122 42 0804	sub-tidal sediment
09R041	2		10/28/2002	12 38 PM	7 8	7638264 265	695665 549	45 33 2251	122 42 0798	sub-tidal sediment
09R041	3		10/28/2002	12 43 PM	6 8	7638261 953	695674 7307	45 33 2266	122 42 0804	sub-tidal sediment

[1] Indicates the number of a successful cast of the grab sampler, which was deemed acceptable for either benthos or sediment collection

[2] If the station was replicated for laboratory QA/QC, the replicate number is indicated

Appendix C

APPENDIX C: TABULATED FISH TISSUE DATA

Table C-1. Fish Tissue Data Master Table.
Table C-2. Fish Catch Coordinates.
Table C-3. Storage Log Of Fish Samples In LWG Laboratory Freezers.
Table C-4. Record Of Change On Fish Labels.

Table C-1 Fish Tissue Data Master Table

Date	Time	Coord type	X Easting	Y Northing	Key Day	Map Key	Sampler	Method	Site Round	Station	Matrix	Species	Tissue	Sample	Excluded Sample	FieldWt g	FieldTLgth mm	FieldFLgth mm	FieldCmnts	LabWt g	LabTLgth mm	LabFLgth mm	LabFSWt g	LabFLWt g	LabCmnts	Comp	SentToLab	Packer	Comp sample code	rep code	sample code	dup check
6/25/2002	22.50	ORNZ83FT	7614948.17258	721030.05946	BS1	SC001WB	IS	Beach Seine	LWG1A	02R113	TS	SC	WB	001		11.1	99								labeled as LWG1A03B002TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R113TSSCWBC00	0	LWG1A02R113TSSCWB001	ok
6/25/2002	23:05	ORNZ83FT	7614953.05737	721106.60828	BS2	SC002WB	IS	Beach Seine	LWG1A	02R113	TS	SC	WB	002		12.3	100								labeled as LWG1A03B002TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R113TSSCWBC00	0	LWG1A02R113TSSCWB002	ok
6/25/2002	23:05	ORNZ83FT	7614953.05737	721106.60828	BS2	SC003WB	IS	Beach Seine	LWG1A	02R113	TS	SC	WB	003		10.6	98.8								labeled as LWG1A03B002TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R113TSSCWBC00	0	LWG1A02R113TSSCWB003	ok
6/25/2002	23.38	ORNZ83FT	7617169.28067	718888.11809	BS1	SC001WB	IS	Beach Seine	LWG1A	03R118	TS	SC	WB	001		13.8	99								labeled as LWG1A03B003TSSCWBC00 as pa	1	8/12/02	SN	LWG1A03R118TSSCWBC00	0	LWG1A03R118TSSCWB001	ok
6/25/2002	23.38	ORNZ83FT	7617169.28067	718888.11809	BS1	SC002WB	IS	Beach Seine	LWG1A	03R118	TS	SC	WB	002		13.4	102								labeled as LWG1A03B003TSSCWBC00 as pa	1	8/12/02	SN	LWG1A03R118TSSCWBC00	0	LWG1A03R118TSSCWB002	ok
6/25/2002	23.38	ORNZ83FT	7617169.28067	718888.11809	BS1	SC003WB	IS	Beach Seine	LWG1A	03R118	TS	SC	WB	003		15.1	107								labeled as LWG1A03B003TSSCWBC00 as pa	1	8/12/02	SN	LWG1A03R118TSSCWBC00	0	LWG1A03R118TSSCWB003	ok
6/25/2002	23.38	ORNZ83FT	7617169.28067	718888.11809	BS1	SC004WB	IS	Beach Seine	LWG1A	03R118	TS	SC	WB	004		12.3	97								labeled as LWG1A03B003TSSCWBC00 as pa	1	8/12/02	SN	LWG1A03R118TSSCWBC00	0	LWG1A03R118TSSCWB004	ok
6/25/2002	23.38	ORNZ83FT	7617169.28067	718888.11809	BS1	SC005WB	IS	Beach Seine	LWG1A	03R118	TS	SC	WB	005		16	111								labeled as LWG1A03B003TSSCWBC00 as pa	1	8/12/02	SN	LWG1A03R118TSSCWBC00	0	LWG1A03R118TSSCWB005	ok
6/25/2002	23.38	ORNZ83FT	7617169.28067	718888.11809	BS1	SC006WB	IS	Beach Seine	LWG1A	03R118	TS	SC	WB	006		11	98								labeled as LWG1A03B003TSSCWBC00 as pa	1	8/12/02	SN	LWG1A03R118TSSCWBC00	0	LWG1A03R118TSSCWB006	ok
6/25/2002	23.38	ORNZ83FT	7617169.28067	718888.11809	BS1	SC007WB	IS	Beach Seine	LWG1A	03R118	TS	SC	WB	007		14.1	109								labeled as LWG1A03B003TSSCWBC00 as pa	1	8/12/02	SN	LWG1A03R118TSSCWBC00	0	LWG1A03R118TSSCWB007	ok
6/25/2002	23.38	ORNZ83FT	7617169.28067	718888.11809	BS1	SC008WB	IS	Beach Seine	LWG1A	03R118	TS	SC	WB	008		11	103								labeled as LWG1A03B003TSSCWBC00 as pa	1	8/12/02	SN	LWG1A03R118TSSCWBC00	0	LWG1A03R118TSSCWB008	ok
6/25/2002	23.55	ORNZ83FT	7617225.50678	718765.94215	BS2	SC009WB	IS	Beach Seine	LWG1A	03R118	TS	SC	WB	009		13.4	107								labeled as LWG1A03B003TSSCWBC00 as pa	1	8/12/02	SN	LWG1A03R118TSSCWBC00	0	LWG1A03R118TSSCWB009	ok
6/25/2002	23.55	ORNZ83FT	7617225.50678	718765.94215	BS2	SC010WB	IS	Beach Seine	LWG1A	03R118	TS	SC	WB	010		11.2	98								labeled as LWG1A03B003TSSCWBC00 as pa	1	8/12/02	SN	LWG1A03R118TSSCWBC00	0	LWG1A03R118TSSCWB010	ok
6/25/2002	23.55	ORNZ83FT	7617225.50678	718765.94215	BS2	SC011WB	IS	Beach Seine	LWG1A	03R118	TS	SC	WB	011		10.9	95								labeled as LWG1A03B003TSSCWBC00 as pa	1	8/12/02	SN	LWG1A03R118TSSCWBC00	0	LWG1A03R118TSSCWB011	ok
6/26/2002	0:25	ORNZ83FT	7616916.43167	721967.63685	BS1	SC001WB	IS	Beach Seine	LWG1A	02R112	TS	SC	WB	001		10.6	100								labeled as LWG1A03B004TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R112TSSCWBC00	0	LWG1A02R112TSSCWB001	ok
6/26/2002	0:25	ORNZ83FT	7616916.43167	721967.63685	BS1	SC002WB	IS	Beach Seine	LWG1A	02R112	TS	SC	WB	002		14	104								labeled as LWG1A03B004TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R112TSSCWBC00	0	LWG1A02R112TSSCWB002	ok
6/26/2002	0:35	ORNZ83FT	7616947.53269	722121.79115	BS2	SC003WB	IS	Beach Seine	LWG1A	02R112	TS	SC	WB	003		10.1	100								labeled as LWG1A03B004TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R112TSSCWBC00	0	LWG1A02R112TSSCWB003	ok
6/26/2002	0:50	ORNZ83FT	7616954.67395	722147.83242	BS3	SC004WB	IS	Beach Seine	LWG1A	02R112	TS	SC	WB	004		11	99								labeled as LWG1A03B004TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R112TSSCWBC00	0	LWG1A02R112TSSCWB004	ok
6/26/2002	0:50	ORNZ83FT	7616954.67395	722147.83242	BS3	SC005WB	IS	Beach Seine	LWG1A	02R112	TS	SC	WB	005		11.1	98								labeled as LWG1A03B004TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R112TSSCWBC00	0	LWG1A02R112TSSCWB005	ok
6/26/2002	0:50	ORNZ83FT	7616954.67395	722147.83242	BS3	SC006WB	IS	Beach Seine	LWG1A	02R112	TS	SC	WB	006		10.9	97								labeled as LWG1A03B004TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R112TSSCWBC00	0	LWG1A02R112TSSCWB006	ok
6/26/2002	1:05	ORNZ83FT	7616986.97703	722246.72277	BS4	SC007WB	IS	Beach Seine	LWG1A	02R112	TS	SC	WB	007		10.7	97								labeled as LWG1A03B004TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R112TSSCWBC00	0	LWG1A02R112TSSCWB007	ok
6/26/2002	1:05	ORNZ83FT	7616986.97703	722246.72277	BS4	SC008WB	IS	Beach Seine	LWG1A	02R112	TS	SC	WB	008		11.3	100								labeled as LWG1A03B004TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R112TSSCWBC00	0	LWG1A02R112TSSCWB008	ok
6/26/2002	1.22	ORNZ83FT	7616606.90366	715741.07895	BS5	SC001WB	IS	Beach Seine	LWG1A	03R125	TS	SC	WB	001		14.3	105								labeled as LWG1A04B005TSSCWBC00 as par	1	8/7/02	SN	LWG1A03R125TSSCWBC00	0	LWG1A03R125TSSCWB001	ok
6/26/2002	1.22	ORNZ83FT	7616606.90366	715741.07895	BS5	SC002WB	IS	Beach Seine	LWG1A	03R125	TS	SC	WB	002		14.4	109								labeled as LWG1A04B005TSSCWBC00 as par	1	8/7/02	SN	LWG1A03R125TSSCWBC00	0	LWG1A03R125TSSCWB002	ok
6/26/2002	1.22	ORNZ83FT	7616606.90366	715741.07895	BS5	SC003WB	IS	Beach Seine	LWG1A	03R125	TS	SC	WB	003		10.8	97								labeled as LWG1A04B005TSSCWBC00 as par	1	8/7/02	SN	LWG1A03R125TSSCWBC00	0	LWG1A03R125TSSCWB003	ok
6/26/2002	1.22	ORNZ83FT	7616606.90366	715741.07895	BS5	SC004WB	IS	Beach Seine	LWG1A	03R125	TS	SC	WB	004		11	99								labeled as LWG1A04B005TSSCWBC00 as par	1	8/7/02	SN	LWG1A03R125TSSCWBC00	0	LWG1A03R125TSSCWB004	ok
6/26/2002	1.22	ORNZ83FT	7616606.90366	715741.07895	BS5	SC005WB	IS	Beach Seine	LWG1A	03R125	TS	SC	WB	005		11.4	101								labeled as LWG1A04B005TSSCWBC00 as par	1	8/7/02	SN	LWG1A03R125TSSCWBC00	0	LWG1A03R125TSSCWB005	ok
6/26/2002	1.22	ORNZ83FT	7616606.90366	715741.07895	BS5	SC006WB	IS	Beach Seine	LWG1A	03R125	TS	SC	WB	006		14.5	103								labeled as LWG1A04B005TSSCWBC00 as par	1	8/7/02	SN	LWG1A03R125TSSCWBC00	0	LWG1A03R125TSSCWB006	ok
6/26/2002	1.22	ORNZ83FT	7616606.90366	715741.07895	BS5	SC007WB	IS	Beach Seine	LWG1A	03R125	TS	SC	WB	007		11.8	99								labeled as LWG1A04B005TSSCWBC00 as par	1	8/7/02	SN	LWG1A03R125TSSCWBC00	0	LWG1A03R125TSSCWB007	ok
6/26/2002	1.22	ORNZ83FT	7616606.90366	715741.07895	BS5	SC008WB	IS	Beach Seine	LWG1A	03R125	TS	SC	WB	008		13.1	109								labeled as LWG1A04B005TSSCWBC00 as par	1	8/7/02	SN	LWG1A03R125TSSCWBC00	0	LWG1A03R125TSSCWB008	ok
6/26/2002	1.22	ORNZ83FT	7616606.90366	715741.07895	BS5	SC009WB	IS	Beach Seine	LWG1A	03R125	TS	SC	WB	009		14.8	105								labeled as LWG1A04B005TSSCWBC00 as par	1	8/7/02	SN	LWG1A03R125TSSCWBC00	0	LWG1A03R125TSSCWB009	ok
6/26/2002	1.22	ORNZ83FT	7616606.90366	715741.07895	BS5	SC010WB	IS	Beach Seine	LWG1A	03R125	TS	SC	WB	010		11.9	100								labeled as LWG1A04B005TSSCWBC00 as par	1	8/7/02	SN	LWG1A03R125TSSCWBC00	0	LWG1A03R125TSSCWB010	ok
6/26/2002	1.22	ORNZ83FT	7616606.90366	715741.07895	BS5	SC011WB	IS	Beach Seine	LWG1A	03R125	TS	SC	WB	011		10.8	96								labeled as LWG1A04B005TSSCWBC00 as par	1	8/7/02	SN	LWG1A03R125TSSCWBC00	0	LWG1A03R125TSSCWB011	ok
6/26/2002	1.22	ORNZ83FT	7616606.90366	715741.07895	BS5	SC012WB	IS	Beach Seine	LWG1A	03R125	TS	SC	WB	012		10.8	97								labeled as LWG1A04B005TSSCWBC00 as par	1	8/7/02	SN	LWG1A03R125TSSCWBC00	0	LWG1A03R125TSSCWB012	ok
6/26/2002	1.22	ORNZ83FT	7616606.90366	715741.07895	BS5	SC013WB	IS	Beach Seine	LWG1A	03R125	TS	SC	WB	013		11.2	95								labeled as LWG1A04B005TSSCWBC00 as par	1	8/7/02	SN	LWG1A03R125TSSCWBC00	0	LWG1A03R125TSSCWB013	ok
6/26/2002	2:00	ORNZ83FT	7617660.75720	713317.02938	BS6	SC001WB	IS	Beach Seine	LWG1A	04R126	TS	SC	WB	001		12.8	101								labeled as LWG1A04B006TSSCWBC00 as par	1	8/7/02	SN	LWG1A04R126TSSCWBC00	0	LWG1A04R126TSSCWB001	ok
6/26/2002	2:00	ORNZ83FT	7617660.75720	713317.02938	BS6	SC002WB	IS	Beach Seine	LWG1A	04R126	TS	SC	WB	002		11.6	101								labeled as LWG1A04B006TSSCWBC00 as par	1	8/7/02	SN	LWG1A04R126TSSCWBC00	0	LWG1A04R126TSSCWB002	ok
6/26/2002	2:00	ORNZ83FT	7617660.75720	713317.02938	BS6	SC003WB	IS	Beach Seine	LWG1A	04R126	TS	SC	WB	003		11.2	96								labeled as LWG1A04B006TSSCWBC00 as par	1	8/7/02	SN	LWG1A04R126TSSCWBC00	0	LWG1A04R126TSSCWB003	ok
6/26/2002	2:00	ORNZ83FT	7617660.75720	713317.02938	BS6	SC004WB	IS	Beach Seine	LWG1A	04R126	TS	SC	WB	004		12.5	100								labeled as LWG1A04B006TSSCWBC00 as par	1	8/7/02	SN	LWG1A04R126TSSCWBC00	0	LWG1A04R126TSSCWB004	ok
6/26/2002	2:00	ORNZ83FT	7617660.75720	713317.02938	BS6	SC005WB	IS	Beach Seine	LWG1A	04R126	TS	SC	WB	005		16.1	110								labeled as LWG1A04B006TSSCWBC00 as par	1	8/7/02	SN	LWG1A04R126TSSCWBC00	0	LWG1A04R126TSSCWB005	ok
6/26/2002	2:00	ORNZ83FT	7617660.75720	713317.02938	BS6	SC006WB	IS	Beach Seine	LWG1A	04R126	TS	SC	WB	006		13.1	102								labeled as LWG1A04B006TSSCWBC00 as par	1	8/7/02	SN	LWG1A04R126TSSCWBC00	0	LWG1A04R126TSSCWB006	ok
6/26/2002	2:00	ORNZ83FT	7617660.75720	713317.02938	BS6	SC007WB	IS	Beach Seine	LWG1A	04R126	TS	SC	WB	007		13.5	104								labeled as LWG1A04B006TSSCWBC00 as par	1	8/7/02	SN	LWG1A04R126TSSCWBC00	0	LWG1A04R126TSSCWB007	ok
6/26/2002	2:00	ORNZ83FT	7617660.75720	713317.02938	BS6	SC008WB	IS	Beach Seine	LWG1A	04R126	TS	SC	WB	008		11.5	97								labeled as LWG1A04B006TSSCWBC00 as par	1	8/7/02	SN	LWG1A04R126TSSCWBC00	0	LWG1A04R126TSSCWB008	ok
6/26/2002	2:00	ORNZ83FT	7617660.75720	713317.02938	BS6	SC009WB	IS	Beach Seine	LWG1A	04R126	TS	SC	WB	009		11.3	96								labeled as LWG1A04B006TSSCWBC00 as par	1	8/7/02	SN	LWG1A04R126TSSCWBC00	0	LWG1A04R126TSSCWB009	ok
6/26/2002	2:00	ORNZ83FT	7617660.75720	713317.02938	BS6	SC010WB	IS	Beach Seine	LWG1A	04R126	TS	SC	WB	010		13.4	103								labeled as LWG1A04B006TSSCWBC00 as par	1	8/7/02	SN	LWG1A04R126TSSCWBC00	0	LWG1A04R126TSSCWB010	ok
6/26/2002	2:00	ORNZ83FT	7617660.75720	713317.02938	BS6	SC011WB	IS	Beach Seine	LWG1A	04R126	TS	SC	WB	011		12	98								labeled as LWG1A04B006TSSCWBC00 as par	1	8/7/02	SN	LWG1A04R126TSSCWBC00	0	LWG1A04R126TSSCWB011	ok
6/26/2002	2:00	ORNZ83FT	7617660.75720	713317.02938	BS6	SC012WB	IS	Beach Seine	LWG1A	04R126	TS	SC	WB	012		11.9	97								labeled as LWG1A04B006TSSCWBC00 as par	1	8/7/02	SN	LWG1A04R126TSSCWBC00	0	LWG1A04R126TSSCWB012	ok
6/26/2002	13.37	ORNZ83FT	7657825.2295	622069.82962	DN1	SC001WB	IS	Dip Net	LWG1A	26R111	TS	SC	WB	001		17.5	119								labeled as LWG1A26R007TSSCWBC00 as par	1	8/7/02	SN	LWG1A26R111TSSCWBC00	0	LWG1A26R111TSSCWB001	ok
6/26/2002	13.37	ORNZ83FT	7657825.2295	622069.82962	DN1	SC002WB	IS	Dip Net	LWG1A	26R111	TS	SC	WB	002		13.1	110								labeled as LWG1A26R007TSSCWBC00 as par	1	8/7/02	SN	LWG1A26R111TSSCWBC00	0	LWG1A26R111TSSCWB002	ok
6/26/2002	13.37	ORNZ83FT	7657825.2295	622069.82962	DN1	SC003WB	IS	Dip Net	LWG1A	26R111	TS	SC	WB	003		13.5	111								labeled as LWG1A26R007TSSCWBC00 as par	1	8/7/02	SN	LWG1A26R111TSSCWBC00	0	LWG1A26R111TSSCWB003	ok
6/26/2002	13.37	ORNZ83FT	7657825.2295	622069.82962	DN1	SC004WB	IS	Dip Net	LWG1A	26R111	TS	SC	WB	004		12.8	109								labeled as LWG1A26R007TSSCWBC00 as par	1	8/7/02	SN	LWG1A26R111TSSCWBC00	0	LWG1A26R111TSSCWB004	ok
6/26/2002	13.37	ORNZ83FT	7657825.2295	622069.82962	DN1	SC005WB	IS	Dip Net	LWG1A	26R111	TS	SC	WB	005		15.2	112								labeled as LWG1A26R007TSSCWBC00 as par	1	8/7/02	SN	LWG1A26R111TSSCWBC00	0	LWG1A26R111TSSCWB005	ok
6/26/2002	13.37	ORNZ83FT	7657825.2295	622069.82962	DN1	SC006WB	IS	Dip Net	LWG1A	26R111	TS	SC	WB	006		15	113								labeled as LWG1A26R007TSSCWBC00 as par	1	8/7/02	SN	LWG1A26R111TSSCWBC00	0	LWG1A26R111TSSCWB006	ok
6/26/2002	13.37	ORNZ83FT	7657825.2295	622069.82962	DN1	SC007WB	IS	Dip Net	LWG1A	26R111	TS	SC	WB	007		11.5	102								labeled as LWG1A26R007TSSCWBC00 as par	1	8/7/02	SN	LWG1A26R111TSSCWBC00	0	LWG1A26R111TSSCWB007	ok
6/26/2002	13.37	ORNZ83FT	7657825.2295	622069.82962	DN1	SC008WB	IS	Dip Net	LWG1A	26R111	TS	SC	WB	008		13.1	106								labeled as LWG1A26R007TSSCWBC00 as par	1	8/7/02	SN	LWG1A26R111TSSCWBC00	0	LWG1A26R111TSSCWB008	ok
6/26/2002	13.37	ORNZ83FT	7657825.2295	622069.82962	DN1	SC009WB	IS	Dip Net	LWG1A	26R111	TS	SC	WB	009		13.6	109								labeled as LWG1A26R007TSSCWBC00 as par	1	8/7/02	SN	LWG1A26R111TSSCWBC00	0	LWG1A26R111TSSCWB009	ok
6/26/2002	13.37	ORNZ83FT	7657825.2295	622069.82962	DN1	SC010WB	IS	Dip Net	LWG1A	26R111	TS	SC	WB	010		16.4	116								labeled as LWG1A26R007TSSCWBC00 as par	1	8/7/02	SN	LWG1A26R111TSSCWBC00	0	LWG1A26R111TSSCWB010	ok
6/26/2002	13.37	ORNZ83FT	7657825.2295	622069.82962	DN1	SC011WB	IS	Dip Net	LWG1A	26R111	TS	SC	WB	011		12	100								labeled as LWG1A26R007TSSCWBC00 as par	1	8/7/02	SN	LWG1A26R111TSSCWBC00	0	LWG1A26R111TSSCWB011	ok
6/26/2002	13.37	ORNZ83FT	7657825.2295	622069.82962	DN1	SC012WB	IS	Dip Net	LWG1A	26R111	TS	SC	WB	012		11.9	106								labeled as LWG1A26R007TSSCWBC00 as par	1	8/7/02	SN	LWG1A26R111TSSCWBC00	0	LWG1A26R111TSSCWB012	ok
6/26/2002	22:00	ORNZ83FT	7614989.29531	721038.11411	BS7	SC004WB	IS	Beach Seine	LWG1A	02R113	TS	SC	WB	004		10.8	99								labeled as LWG1A03B002TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R113TSSCWBC00	0	LWG1A02R113TSSCWB004	ok
6/26/2002	22:00	ORNZ83FT	7614989.29531	721038.11411	BS7	SC005WB	IS	Beach Seine	LWG1A	02R113	TS	SC	WB	005		10.8	95								labeled as LWG1A03B002TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R113TSSCWBC00	0	LWG1A02R113TSSCWB005	ok
6/26/2002	22:25	ORNZ83FT	7614987.09104	721010.08586	BS8	SC006WB	IS	Beach Seine	LWG1A	02R113	TS	SC	WB	006		10.8	100								labeled as LWG1A03B002TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R113TSSCWBC00	0	LWG1A02R113TSSCWB006	ok
6/26/2002	22:25	ORNZ83FT	7614987.09104	721010.08586	BS8	SC007WB	IS	Beach Seine	LWG1A	02R113	TS	SC	WB	007		13.4	106								labeled as LWG1A03B002TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R113TSSCWBC00	0	LWG1A02R113TSSCWB007	ok
6/26/2002	22:25	ORNZ83FT	7614987.09104	721010.08586	BS8	SC008WB	IS	Beach Seine	LWG1A	02R113	TS	SC	WB	008		9.8	93								labeled as LWG1A03B002TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R113TSSCWBC00	0	LWG1A02R113TSSCWB008	ok
6/26/2002	22:25	ORNZ83FT	7614987.09104	721010.08586	BS8	SC009WB	IS	Beach Seine	LWG1A	02R113	TS	SC	WB	009		10.2	98								labeled as LWG1A03B002TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R113TSSCWBC00	0	LWG1A02R113TSSCWB009	ok
6/26/2002	22.25	ORNZ83FT	7614987.09104	721010.08586	BS8	SC010WB	IS	Beach Seine	LWG1A	02R113	TS	SC	WB	010		10	95								labeled as LWG1A03B002TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R113TSSCWBC00	0	LWG1A02R113TSSCWB010	ok
6/26/2002	22:48	ORNZ83FT	7615569.26429	725289.47008	BS9	SC001WB	IS	Beach Seine	LWG1A	02R102	TS	SC	WB	001		12.8	101								labeled as LWG1A02B001TSSCWBC00 as par	1	8/7/02	SN	LWG1A02R102TSSCWBC00	0	LWG1A02R102TSSCWB001	ok
6/26/2002	23:10	ORNZ83FT	7615459.63421	724896.48827	BS10	SC002WB	IS	Beach Seine	LWG1A	02R102	TS	SC	WB	002		14.5	110								labeled as LWG1A02B001TSSCWBC00 as par	1	8/7/02	SN	LWG1A02R102TSSCWBC00	0	LWG1A02R102TSSCWB002	ok
6/26/2002	23:10	ORNZ83FT	7615459.63421	724896.48827	BS10	SC003WB	IS	Beach Seine	LWG1A	02R102	TS	SC	WB	003		9.8	96								labeled as LWG1A02B001TSSCWBC00 as par	1	8/7/02	SN	LWG1A02R102TSSCWBC00	0	LWG1A02R102TSSCWB003	ok
6/26/2002	23:10	ORNZ83FT	7615459.63421	724896.48827	BS10	SC004WB	IS	Beach Seine	LWG1A	02R102	TS	SC	WB	004		11.5	98								labeled as LWG1A02B001TSSCWBC00 as par	1	8/7/02	SN	LWG1A02R102TSSCWBC00	0	LWG1A02R102TSSCWB004	ok
6/26/2002	23:10	ORNZ83FT	7615459.63421	724896.48827	BS10	SC005WB	IS	Beach Seine	LWG1A	02R102	TS	SC	WB	005		10.4	95								labeled as LWG1A02B001TSSCWBC00 as par	1	8/7/02	SN	LWG1A02R102TSSCWBC00	0	LWG1A02R102TSSCWB005	ok
6/26/2002	23:25	ORNZ83FT	7615442.80967	724855.77128	BS10	SC006WB	IS	Beach Seine	LWG1A	02R102	TS	SC	WB	006		10.6	95								labeled as LWG1A02B001TSSCWBC00 as par	1	8/7/02	SN	LWG1A02R102TSSCWBC00	0	LWG1A02R102TSSCWB006	ok
6/26/2002	23:44	ORNZ83FT	7616916.02559	721964.56747	BS11	SC009WB	IS	Beach Seine	LWG1A	02R112	TS	SC	WB	009		11.2	102								labeled as LWG1A03B004TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R112TSSCWBC00	0	LWG1A02R112TSSCWB009	ok
6/26/2002	23:44	ORNZ83FT	7616916.02559	721964.56747	BS11	SC010WB	IS	Beach Seine	LWG1A	02R112	TS	SC	WB	010		11.8	100								labeled as LWG1A03B004TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R112TSSCWBC00	0	LWG1A02R112TSSCWB010	ok
6/26/2002	23:44	ORNZ83FT	7616916.02559	721964.56747	BS11	SC011WB	IS	Beach Seine	LWG1A	02R112	TS	SC	WB	011		12.5	103								labeled as LWG1A03B004TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R112TSSCWBC00	0	LWG1A02R112TSSCWB011	ok
6/26/2002	23:44	ORNZ83FT	7616916.02559	721964.56747	BS11	SC012WB	IS	Beach Seine	LWG1A	02R112	TS	SC	WB	012		10.4	94								labeled as LWG1A03B004TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R112TSSCWBC00	0	LWG1A02R112TSSCWB012	ok
6/26/2002	23:44	ORNZ83FT	7616916.02559	721964.56747	BS11	SC013WB	IS	Beach Seine	LWG1A	02R112	TS	SC	WB	013		10	94								labeled as LWG1A03B004TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R112TSSCWBC00	0	LWG1A02R112TSSCWB013	ok
6/26/2002	23:44	ORNZ83FT	7616916.02559	721964.56747	BS11	SC014WB	IS	Beach Seine	LWG1A	02R112	TS	SC	WB	014		9.4	90								labeled as LWG1A03B004TSSCWBC00 as pa	1	8/7/02	SN	LWG1A02R112TSSCWBC00	0	LWG1A02R112TSSCWB014	ok
6/27/2002	0:10	ORNZ83FT	7614966.48722	721045.72850	BS1	SC011WB	IS	Beach Seine	LWG1A	02R113	TS	SC	WB	011		9.2	93								labeled as LWG1A03B002TSSCWBC00 as par	1	8/7/02	SN	LWG1A02R113TSSCWBC00	0	LWG1A02R113TSSCWB011	ok
6/27/2002	0:10	ORNZ83FT	7614966.48722	721045.72850	BS1	SC012WB	IS	Beach Seine	LWG1A	02R113	TS	SC	WB	012		9.8	93								labeled as LWG1A03B002TSSCWBC00 as par	1	8/7/02	SN	LWG1A02R113TSSCWBC00	0	LWG1A02R113TSSCWB012	ok
6/27/2002	0:10	ORNZ83FT	7614966.48722	721045.72850	BS1	SC013WB	IS	Beach Seine	LWG1A	02R113	TS	SC	WB	013		10.5	94								labeled as LWG1A03B002TSSCWBC00 as par	1	8/7/02	SN	LWG1A02R113TSSCWBC00	0	LWG1A02R113TSSCWB013	ok
6/27/2002	0:10	ORNZ83FT	7614966.48722	721045.72850	BS1	SC014WB	IS	Beach Seine	LWG1A	02R113	TS	SC	WB	014		10.6	96								labeled as LWG1A03B002TSSCWBC00 as par	1	8/7/02	SN	LWG1A02R113TSSCWBC00	0	LWG1A02R113TSSCWB014	ok
6/27/2002	0:10	ORNZ83FT	7614966.48722	721045.72850	BS1	SC015WB	IS	Beach Seine	LWG1A	02R113	TS	SC	WB	015		8.5	88								labeled as LWG1A03B002TSSCWBC00 as par	1	8/7/02	SN	LWG1A02R113TSSCWBC00	0	LWG1A02R113TSSCWB015	ok
6/27/2002	0:40	ORNZ83FT	7615455.90472	724889.95899	BS2	SC007WB	IS	Beach Seine	LWG1A	02R102	TS	SC	WB	007		8.6	89								labeled as LWG1A02B001TSSCWBC00 as par	1	8/7/02	SN	LWG1A02R102TSSCWBC00	0	LWG1A02R102TSSCWB007	ok
6/27/2002	0:40	ORNZ83FT	7615455.90472	724889.95899	BS2	SC008WB	IS	Beach Seine	LWG1A	02R102	TS	SC	WB	008		9.2	90								labeled as LWG1A02B001TSSCWBC00 as par	1	8/7/02	SN	LWG1A02R102TSSCWBC00	0	LWG1A02R102TSSCWB008	ok
6/27/2002	0:40	ORNZ83FT	7615455.90472	724889.95899	BS2	SC009WB	IS	Beach Seine	LWG1A	02R102	TS	SC	WB	009		9.5	92								labeled as LWG1A02B001TSSCWBC00 as par	1	8/7/02	SN	LWG1A02R102TSSCWBC00	0	LWG1A02R102TSSCWB009	ok
6/27/2002	0:55	ORNZ83FT	7615465.75206	724909.54841	BS3	SC010WB	IS	Beach Seine	LWG1A	02R102	TS	SC	WB	010		10.8	96								labeled as LWG1A02B001TSSCWBC00 as par	1	8/7/02	SN	LWG1A02R102TSSCWBC00	0	LWG1A02R102TSSCWB010	ok
6/27/2002	0:55	ORNZ83FT	7615465.75206	724909.54841	BS3	SC011WB	IS	Beach Seine	LWG1A	02R102	TS	SC	WB	011		8.5	88								labeled as LWG1A02B001TSSCWBC00 as par	1	8/7/02	SN	LWG1A02R102TSSCWBC00	0	LWG1A02R102TSSCWB011	ok
6/27/2002	1:05	ORNZ83FT	7615417.96317	724686.62849	BS4	SC012WB	IS	Beach Seine	LWG1A	02R102	TS	SC	WB	012		14	105								labeled as LWG1A02B001TSSCWBC00 as par	1	8/7/02	SN	LWG1A02R102TSSCWBC00	0	LWG1A02R102TSSCWB012	ok
6/27/2002	1:05	ORNZ83FT	7615417.96317	724686.62849	BS4	SC013WB	IS	Beach Seine	LWG1A	02R102	TS	SC	WB	013		10.8	95								labeled as LWG1A02B001TSSCWBC00 as par	1	8/7/02	SN	LWG1A02R102TSSCWBC00	0	LWG1A02R102TSSCWB013	ok
6/27/2002	1:05	ORNZ83FT	7615417.96317	724686.62849	BS4	SC014WB	IS	Beach Seine	LWG1A	02R102	TS	SC	WB	014		10	99								labeled as LWG1A02B001TSSCWBC00 as par	1	8/7/02	SN	LWG1A02R102TSSCWBC00	0	LWG1A02R102TSSCWB014	ok
6/27/2002	1:05	ORNZ83FT	7615417.96317	724686.62849	BS4	SC015WB	IS	Beach Seine	LWG1A	02R102	TS	SC	WB	015		11.8	102								labeled as LWG1A02B001TSSCWBC00 as par	1	8/7/02	SN	LWG1A02R102TSSCWBC00	0	LWG1A02R102TSSCWB015	ok
7/22/2002	20:47	ORNZ83FT	7617068.800	723064.600		SP001WB	IS	electro	LWG01	02R001	TS	SP	WB	001		40.00	143.00									1	9/17	EF/JS/SN	LWG0102R001TSSPWBC0_Lost0	0_Lost	LWG0102R001TSSPWB001	ok
7/22/2002	20:47	ORNZ83FT	7617068.800	723064.600		SP002WB	IS	electro	LWG01	02R001	TS	SP	WB	002		34.00	135.00									1	9/17	EF/JS/SN	LWG0102R001TSSPWBC0_Lost0	0_Lost	LWG0102R001TSSPWB002	ok
7/22/2002	20:47	ORNZ83FT	7617068.800	723064.600		SP003WB	IS	electro	LWG01	02R001	TS	SP	WB	003		29.00	128.00									1	9/17	EF/JS/SN	LWG0102R001TSSPWBC0_Lost0	0_Lost	LWG0102R001TSSPWB003	ok
7/22/2002	20:47	ORNZ83FT	7617068.800	723064.600		LS001WB	IS	electro	LWG01	03R014	TS	LS	WB	001		900.00	449.00	423.00													LWG0103R014TSLSWB001	ok
7/22/2002	20:47	ORNZ83FT	7617068.800	723064.600		LS002WB	IS	electro	LWG01	03R014	TS	LS	WB	002		860.00	439.00	420.00								9/16_1	9/17	SN	LWG0103R014TSLSWBC10	1	LWG0103R014TSLSWB002	ok
7/22/2002	20:47	ORNZ83FT	7617068.800	723064.600		LS003WB	IS	electro	LWG01	03R014	TS	LS	WB	003		890.00	460.00	433.00								11/19_2	11/27	EF/JS	LWG0103R014TSLSWBC20	2	LWG0103R014TSLSWB003	ok
7/22/2002	21:40	ORNZ83FT	7617106.270	723240.030	EF1	LS004WB	IS	electro	LWG01	03R014	TS	LS	WB	004		680.00	411.00	388.00													LWG0103R014TSLSWB004	ok
7/22/2002	21:40	ORNZ83FT	7617106.270	723240.030	EF1	SB001WB	IS	electro	LWG01	03R014	TS	SB	WB	001		760.00	355.00	341.00		732.7					none recorde	11/15_1	11/27	EF/JS	LWG0103R014TSSBWBC00	0	LWG0103R014TSSBWB001	ok
7/22/2002	21:40	ORNZ83FT	7617106.270	723240.030	EF1	SP004WB	IS	electro	LWG01	02R001	TS	SP	WB	004		92.00	183.00									1	9/17	EF/JS/SN	LWG0102R001TSSPWBC0_Lost0	0_Lost	LWG0102R001TSSPWB004	ok
7/22/2002	21:40	ORNZ83FT	7617106.270	723240.030	EF1	SP005WB	IS	electro	LWG01	02R001	TS	SP	WB	005		60.00	163.00									1	9/17	EF/JS/SN	LWG0102R001TSSPWBC0_Lost0	0_Lost	LWG0102R001TSSPWB005	ok
7/22/2002	21:40	ORNZ83FT	7617106.270	723240.030	EF1	SP006WB	IS	electro	LWG01	02R001	TS	SP	WB	006		54.00	156.00									1	9/17	EF/JS/SN	LWG0102R001TSSPWBC0_Lost0	0_Lost	LWG0102R001TSSPWB006	ok
7/22/2002	21:40	ORNZ83FT	7617106.270	723240.030	EF1	SP007WB	IS	electro	LWG01	02R001	TS	SP	WB	007		42.00	138.00									1	9/17	EF/JS/SN	LWG0102R001TSSPWBC0_Lost0	0_Lost	LWG0102R001TSSPWB007	ok

Table C-1 Fish Tissue Data Master Table

Date	Time	Coord type	X Easting	Y Northing	Key Day	Map Key	Sampler	Method	Site Round	Station	Matrix	Species	Tissue	Sample	Excluded Sample	FieldWt g	FieldTLgth mm	FieldFLgth mm	FieldCmnts	LabWt g	LabTLgth mm	LabFLgth mm	LabFSWt g	LabFLWt g	LabCmnts	Comp	SentToLab	Packer	Comp sample_code	rep code	sample_code	dup check
7/26/2002	20 45	ORNZ83FT	7617880 604	717402 035	EF1	SP005WB	IS	electro	LWG01	03R003	TS	SP	WB	005	Unusable	20 00	122 00														LWG0103R003TSSPWB005	ok
7/26/2002	20 45	ORNZ83FT	7617880 604	717402 035	EF1	SB001WB	IS	electro	LWG01	04R023	TS	SB	WB	001		480 00	226 00			386 6					Well nourished caudal & anal fin edges m	11/15_Archive					LWG0104R023TSSBWB001	ok
7/26/2002	21 05	ORNZ83FT	7619905 069	717100 958	EF2	SB002WB	IS	electro	LWG01	04R023	TS	SB	WB	002		800 00	378 00			784 9					like spot next to ventral of red heating/festering edge of tear in C fin lesion	11/15_2	11/27	EF/JS	LWG0104R023TSSBWBC20	2	LWG0104R023TSSBWB002	ok
7/26/2002	21 05	ORNZ83FT	7619905 069	717100 958	EF2	CP002aF	IS	electro	LWG01	FZ0306	TS	CP	F	002a		2400 00	520 00	505 00		2009 1	542 0	491 0	192 1	354 5	fin on R, Re	1	9/10	EF/SN/JS	LWG01FZ0306TSCPFLC10 and LWG01FZ0306TSCPFSC10	1	LWG01FZ0306TSCPF002a	ok
7/26/2002	22 05	ORNZ83FT	7618415 063	717335 136	EF3	SP008WB	IS	electro	LWG01	03R034	TS	SP	WB	008	Unusable	10 00	96 00		Station changed to 03R034												LWG0103R034TSSPWB008	ok
7/26/2002	22 05	ORNZ83FT	7618415 063	717335 136	EF3	SP010WB	IS	electro	LWG01	03R034	TS	SP	WB	010	Unusable	10 00	95 00		Station changed to 03R034												LWG0103R034TSSPWB010	ok
7/26/2002	22 05	ORNZ83FT	7618415 063	717335 136	EF3	SP015WB	IS	electro	LWG01	03R034	TS	SP	WB	015	Unusable	9 00	94 00		Station changed to 03R034												LWG0103R034TSSPWB015	ok
7/26/2002	22 05	ORNZ83FT	7618415 063	717335 136	EF3	SP016WB	IS	electro	LWG01	03R034	TS	SP	WB	016	Unusable	9 00	94 00		Station changed to 03R034												LWG0103R034TSSPWB016	ok
7/26/2002	22 05	ORNZ83FT	7618415 063	717335 136	EF3	SP018WB	IS	electro	LWG01	03R034	TS	SP	WB	018	Unusable	8 00	90 00		Station changed to 03R034												LWG0103R034TSSPWB018	ok
7/26/2002	22 05	ORNZ83FT	7618415 063	717335 136	EF3	SP006WB	IS	electro	LWG01	03R034	TS	SP	WB	006		11 00	95 00		Station changed to 03R034							11/19_1	11/20	LF/JS/SN/JC	LWG0103R034TSSPWBC00	0	LWG0103R034TSSPWB006	ok
7/26/2002	22 05	ORNZ83FT	7618415 063	717335 136	EF3	SP007WB	IS	electro	LWG01	03R034	TS	SP	WB	007		13 00	99 00		Station changed to 03R034							11/19_1	11/20	LF/JS/SN/JC	LWG0103R034TSSPWBC00	0	LWG0103R034TSSPWB007	ok
7/26/2002	22 05	ORNZ83FT	7618415 063	717335 136	EF3	SP009WB	IS	electro	LWG01	03R034	TS	SP	WB	009		14 00	117 00		Station changed to 03R034							11/19_1	11/20	LF/JS/SN/JC	LWG0103R034TSSPWBC00	0	LWG0103R034TSSPWB009	ok
7/26/2002	22 05	ORNZ83FT	7618415 063	717335 136	EF3	SP011WB	IS	electro	LWG01	03R034	TS	SP	WB	011		22 00	121 00		Station changed to 03R034							11/19_1	11/20	LF/JS/SN/JC	LWG0103R034TSSPWBC00	0	LWG0103R034TSSPWB011	ok
7/26/2002	22 05	ORNZ83FT	7618415 063	717335 136	EF3	SP012WB	IS	electro	LWG01	03R034	TS	SP	WB	012		55 50	160 00		Station changed to 03R034							11/19_1	11/20	LF/JS/SN/JC	LWG0103R034TSSPWBC00	0	LWG0103R034TSSPWB012	ok
7/26/2002	22 05	ORNZ83FT	7618415 063	717335 136	EF3	SP013WB	IS	electro	LWG01	03R034	TS	SP	WB	013		12.50	100 00		Station changed to 03R034							11/19_1	11/20	LF/JS/SN/JC	LWG0103R034TSSPWBC00	0	LWG0103R034TSSPWB013	ok
7/26/2002	22 05	ORNZ83FT	7618415 063	717335 136	EF3	SP014WB	IS	electro	LWG01	03R034	TS	SP	WB	014		15 00	111 00		Station changed to 03R034							11/19_1	11/20	LF/JS/SN/JC	LWG0103R034TSSPWBC00	0	LWG0103R034TSSPWB014	ok
7/26/2002	22 05	ORNZ83FT	7618415 063	717335 136	EF3	SP017WB	IS	electro	LWG01	03R034	TS	SP	WB	017		13 00	102 00		Station changed to 03R034							11/19_1	11/20	LF/JS/SN/JC	LWG0103R034TSSPWBC00	0	LWG0103R034TSSPWB017	ok
7/26/2002	22 05	ORNZ83FT	7618415 063	717335 136	EF3	SP019WB	IS	electro	LWG01	03R034	TS	SP	WB	019		25.50	122 00		Station changed to 03R034							11/19_1	11/20	LF/JS/SN/JC	LWG0103R034TSSPWBC00	0	LWG0103R034TSSPWB019	ok
7/26/2002	22 05	ORNZ83FT	7618415 063	717335 136	EF3	SP020WB	IS	electro	LWG01	03R034	TS	SP	WB	020		17 00	115 00		Station changed to 03R034							11/19_1	11/20	LF/JS/SN/JC	LWG0103R034TSSPWBC00	0	LWG0103R034TSSPWB020	ok
7/26/2002	22 05	ORNZ83FT	7618415 063	717335 136	EF3	SP021WB	IS	electro	LWG01	03R034	TS	SP	WB	021		11 00	92 00		Station changed to 03R034							11/19_1	11/20	LF/JS/SN/JC	LWG0103R034TSSPWBC00	0	LWG0103R034TSSPWB021	ok
7/26/2002	22 05	ORNZ83FT	7618415 063	717335 136	EF3	SB003WB	IS	electro	LWG01	04R023	TS	SB	WB	003		700 00	370 00			749 8					NOA	11/15_3	11/27	EF/JS	LWG0104R023TSSBWBC30	3	LWG0104R023TSSBWB003	ok
7/26/2002	23 55	ORNZ83FT	7615647 479	718070 641	CT2	CR004WB	IS	Crayfish trap	LWG01	03R009	TS	CR	WB	004		30 50	105 00			29 8					Live - appears to have body	11/19_1	11/20	LF/JS/SN/JC	LWG0103R009TSCRWBC00	0	LWG0103R009TSCRWB004	ok
7/26/2002	23 55	ORNZ83FT	7615647 479	718070 641	CT2	CR005WB	IS	Crayfish trap	LWG01	03R009	TS	CR	WB	005		45 00	115 00			42 8					Dead - missing R primary claw a	11/19_1	11/20	LF/JS/SN/JC	LWG0103R009TSCRWBC00	0	LWG0103R009TSCRWB005	ok
7/27/2002	0:35	ORNZ83FT	7618603 770	715487 676	EF5	SP001WB	IS	electro	LWG01	03R004	TS	SP	WB	001		60 00	165 00									11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC10	1	LWG0103R004TSSPWB001	ok
7/27/2002	0:35	ORNZ83FT	7618603 770	715487 676	EF5	SP002WB	IS	electro	LWG01	03R004	TS	SP	WB	002		24 00	125 00									11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC10	1	LWG0103R004TSSPWB002	ok
7/27/2002	0:35	ORNZ83FT	7618603 770	715487 676	EF5	SP003WB	IS	electro	LWG01	03R004	TS	SP	WB	003		21 00	116 00									11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC10	1	LWG0103R004TSSPWB003	ok
7/27/2002	0:35	ORNZ83FT	7618603 770	715487 676	EF5	SP004WB	IS	electro	LWG01	03R004	TS	SP	WB	004		15.50	108 00									11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC10	1	LWG0103R004TSSPWB004	ok
7/27/2002	0:35	ORNZ83FT	7618603 770	715487 676	EF5	SP005WB	IS	electro	LWG01	03R004	TS	SP	WB	005		14 00	104 00									11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC10	1	LWG0103R004TSSPWB005	ok
7/27/2002	0:35	ORNZ83FT	7618603 770	715487 676	EF5	SP006WB	IS	electro	LWG01	03R004	TS	SP	WB	006		16 00	107 00									11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC10	1	LWG0103R004TSSPWB006	ok
7/27/2002	0:35	ORNZ83FT	7618603 770	715487 676	EF5	SP007WB	IS	electro	LWG01	03R004	TS	SP	WB	007		14 00	107 00									11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC10	1	LWG0103R004TSSPWB007	ok
7/27/2002	0.35	ORNZ83FT	7618603 770	715487 676	EF5	SP008WB	IS	electro	LWG01	03R004	TS	SP	WB	008		9 00	91 00														LWG0103R004TSSPWB008	ok
7/27/2002	0:35	ORNZ83FT	7618603 770	715487 676	EF5	SB004WB	IS	electro	LWG01	04R023	TS	SB	WB	004		400 00	309 00			405 5					Lesion at base of posterior in	11/15_3	11/27	EF/JS	LWG0104R023TSSBWBC30	3	LWG0104R023TSSBWB004	ok
7/29/2002	8 50	ORNZ83FT	7616637 621	715753 588	EF1	CP003F	IS	electro	LWG01	FZ0306	TS	CP	F	003		2040 00	521 00	471 00		1967	513 0	465 0	221 6	344 1	reddening o	3	9/10	EF/SN/JS	LWG01FZ0306TSCPFLC30 and LWG01FZ0306TSCPFSC30	3	LWG01FZ0306TSCPF003	ok
7/29/2002	8 50	ORNZ83FT	7616637 621	715753.588	EF1	CP004F	IS	electro	LWG01	FZ0306	TS	CP	F	004		3160 00	585 00	526.00		3160	571 0	521 0	290.2	430 3	iding tissues	1	9/10	EF/SN/JS	LWG01FZ0306TSCPFLC10 and LWG01FZ0306TSCPFSC10	1	LWG01FZ0306TSCPF004	ok
7/29/2002	8 50	ORNZ83FT	7616637 621	715753 588	EF1	CP005F	IS	electro	LWG01	FZ0306	TS	CP	F	005		2850 00	570 00	520 00		2765 7	553 0	519 0	261.2	438 5	? fin lesion	2	9/10	EF/SN/JS	LWG01FZ0306TSCPFLC20 and LWG01FZ0306TSCPFSC20	2	LWG01FZ0306TSCPF005	ok
7/29/2002	9 05	ORNZ83FT	7618620 967	715467 389	EF2	SP009WB	IS	electro	LWG01	03R004	TS	SP	WB	009		22.50	121 00									11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC10	1	LWG0103R004TSSPWB009	ok
7/29/2002	9 05	ORNZ83FT	7618620 967	715467.389	EF2	SP010WB	IS	electro	LWG01	03R004	TS	SP	WB	010		21 80	111 00									11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC10	1	LWG0103R004TSSPWB010	ok
7/29/2002	9 05	ORNZ83FT	7618620 967	715467.389	EF2	SP011WB	IS	electro	LWG01	03R004	TS	SP	WB	011		22 20	116 00									11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC10	1	LWG0103R004TSSPWB011	ok
7/29/2002	9 05	ORNZ83FT	7618620 967	715467.389	EF2	SP012WB	IS	electro	LWG01	03R004	TS	SP	WB	012		15 00	103 00									11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC10	1	LWG0103R004TSSPWB012	ok
7/29/2002	9 05	ORNZ83FT	7618620 967	715467 389	EF2	SP013WB	IS	electro	LWG01	03R004	TS	SP	WB	013		11 00	90 00														LWG0103R004TSSPWB013	ok
7/29/2002	9 05	ORNZ83FT	7618620 967	715467.389	EF2	SP014WB	IS	electro	LWG01	03R004	TS	SP	WB	014		13 60	96 00									11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC10	1	LWG0103R004TSSPWB014	ok
7/29/2002	9 05	ORNZ83FT	7618620 967	715467.389	EF2	SP015WB	IS	electro	LWG01	03R004	TS	SP	WB	015		9 00	90 00														LWG0103R004TSSPWB015	ok
7/29/2002	9 05	ORNZ83FT	7618620 967	715467.389	EF2	CP006F	IS	electro	LWG01	FZ0306	TS	CP	F	006		2125 00	531 00	476.00		2066 7	528 0	478 0	187 4	318 1	almic; C fin	3	9/10	EF/SN/JS	LWG01FZ0306TSCPFLC30 and LWG01FZ0306TSCPFSC30	3	LWG01FZ0306TSCPF006	ok
7/29/2002	9 30	ORNZ83FT	7618576.296	715593 904	EF3	SP016WB	IS	electro	LWG01	03R004	TS	SP	WB	016		18 40	119 00									11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC10	1	LWG0103R004TSSPWB016	ok
7/29/2002	9.30	ORNZ83FT	7618576.296	715593 904	EF3	SP017WB	IS	electro	LWG01	03R004	TS	SP	WB	017		10 00	92 00									11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC10	1	LWG0103R004TSSPWB017	ok
7/29/2002	10 15	ORNZ83FT	7619957 204	714450 951	EF4	CP007F	IS	electro	LWG01	FZ0306	TS	CP	F	007		2050 00	531 00	477 00		1974 7	528 0	478 0	260 1	382 1	erior and do	1	9/10	EF/SN/JS	LWG01FZ0306TSCPFLC10 and LWG01FZ0306TSCPFSC10	1	LWG01FZ0306TSCPF007	ok
7/29/2002	10 15	ORNZ83FT	7619957 204	714450 951	EF4	LS032F	IS	electro	LWG01	FZ0306	TS	LS	F	032		780 00	408 00	382 00		702 9	398 0	370 0	139.5	104 0	L eye Fraying of C fin, slight reddening of L pect fin						LWG01FZ0306TSLSF032	ok
7/29/2002	10 15	ORNZ83FT	7619957 204	714450 951	EF4	LS033F	IS	electro	LWG01	FZ0306	TS	LS	F	033		860 00	440 00	412 00		816 4	423 0	396 0	102 8	154 4	ound?) at ventral center of mandible slight reddening of c						LWG01FZ0306TSLSF033	ok
7/29/2002	10 15	ORNZ83FT	7619957 204	714450 951	EF4	LS034F	IS	electro	LWG01	FZ0306	TS	LS	F	034		825 00	445 00	418 00		796 5	437 0	412 0	71 1	135 1	vic fins, hemorrhaging on R side above pelvic fin, good co						LWG01FZ0306TSLSF034	ok
7/29/2002	10 15	ORNZ83FT	7619957 204	714450 951	EF4	LS035WB	IS	electro	LWG01	FZ0306	TS	LS	WB	035		800 00	421 00	393 00		728 6					Tear in C fin btw ra	9/16 2	9/17	SN	LWG0105R006TSLSWBC00	0	LWG01FZ0306TSLSWB035	ok
7/29/2002	10 15	ORNZ83FT	7619957.204	714450 951	EF4	LS036WB	IS	electro	LWG01	FZ0306	TS	LS	WB	036		615 00	399 00	374 00		555 6					of R pelvic fin, small lesion anterior of R pelvic fin, lesion on R base of anal fin reddenning of posterior of D fin & some of						LWG01FZ0306TSLSWB036	ok
7/29/2002	10 45	ORNZ83FT	7619321 177	714627 693	EF5	SP001WB	IS	electro	LWG01	04R003	TS	SP	WB	001	Unusable	37 00	143 00														LWG0104R003TSSPWB001	ok
7/29/2002	10 45	ORNZ83FT	7619321 177	714627 693	EF5	SP002WB	IS	electro	LWG01	04R003	TS	SP	WB	002	Unusable	18 00	111 00														LWG0104R003TSSPWB002	ok
7/29/2002	10 45	ORNZ83FT	7619321 177	714627 693	EF5	SP003WB	IS	electro	LWG01	04R003	TS	SP	WB	003	Unusable	15 50	104 00														LWG0104R003TSSPWB003	ok
7/29/2002	10 45	ORNZ83FT	7619321 177	714627 693	EF5	SP004WB	IS	electro	LWG01	04R003	TS	SP	WB	004	Unusable	16 50	107 00														LWG0104R003TSSPWB004	ok
7/29/2002	10 45	ORNZ83FT	7619321 177	714627 693	EF5	SP005WB	IS	electro	LWG01	04R003	TS	SP	WB	005	Unusable	20 50	113 00														LWG0104R003TSSPWB005	ok
7/29/2002	10 45	ORNZ83FT	7619321 177	714627 693	EF5	SP006WB	IS	electro	LWG01	04R003	TS	SP	WB	006	Unusable	15 20	104 00														LWG0104R003TSSPWB006	ok
7/29/2002	10 45	ORNZ83FT	7619321 177	714627 693	EF5	SP007WB	IS	electro	LWG01	04R003	TS	SP	WB	007	Unusable	15 00	105 00														LWG0104R003TSSPWB007	ok
7/29/2002	10 45	ORNZ83FT	7619321 177	714627 693	EF5	SP008WB	IS	electro	LWG01	04R003	TS	SP	WB	008	Unusable	12 50	96.00														LWG0104R003TSSPWB008	ok
7/29/2002	10 45	ORNZ83FT	7619321 177	714627 693	EF5	SP009WB	IS	electro	LWG01	04R003	TS	SP	WB	009	Unusable	11 80	96 00														LWG0104R003TSSPWB009	ok
7/29/2002	10 45	ORNZ83FT	7619321 177	714627 693	EF5	SP010WB	IS	electro	LWG01	04R003	TS	SP	WB	010	Unusable	9 50	90 00														LWG0104R003TSSPWB010	ok
7/29/2002	10 45	ORNZ83FT	7619321 177	714627 693	EF5	CP008F	IS	electro	LWG01	FZ0306	TS	CP	F	008		2090 00	541 00	485 00		2019 6	530 0	495 0	148 3	238.5	ood conditc	2	9/10	EF/SN/JS	LWG01FZ0306TSCPFLC20 and LWG01FZ0306TSCPFSC20	2	LWG01FZ0306TSCPF008	ok
7/29/2002	10 45	ORNZ83FT	7619321 177	714627 693	EF5	LS037WB	IS	electro	LWG01	FZ0306	TS	LS	WB	037		1100 00	475 00	446 00		1039 8					R opercular plate red dented skull malformed dorsal ray # 1 of C fin, red hemhoragic area around dorsal insertio						LWG01FZ0306TSLSWB037	ok
7/29/2002	10 45	ORNZ83FT	7619321 177	714627 693	EF5	LS038WB	IS	electro	LWG01	FZ0306	TS	LS	WB	038		950 00	458 00	432 00		870 3					Lesion dorsal of A fin F	9/16 2	9/17	SN	LWG0105R006TSLSWBC00	0	LWG01FZ0306TSLSWB038	ok
7/29/2002	11 44	ORNZ83FT	7619028 862	717254 673	EF6	SB005WB	IS	electro	LWG01	04R023	TS	SB	WB	005		1260 00	432 00			1193 9					Eroded C fin & /	11/15_1	11/27	EF/JS	LWG0104R023TSSBWBC10	1	LWG0104R023TSSBWB005	ok
7/29/2002	11 44	ORNZ83FT	7619028 862	717254 673	EF6	CP009F	IS	electro	LWG01	FZ0306	TS	CP	F	009		4240 00	705 00	627 00		4240	583 0	564 0	549 6	676.3	ceration of L	Archive					LWG01FZ0306TSCPF009	ok
7/29/2002	11 44	ORNZ83FT	7619028 862	717254 673	EF6	CP010WB	IS	electro	LWG01	FZ0306	TS	CP	WB	010		2120 00	542 00	485 00		2033 1					D fin tear (rays 3&4) slight	1	9/10	EF/JS/JM	LWG01FZ0306TSCPWBC10	1	LWG01FZ0306TSCPWB010	ok
7/29/2002	11 44	ORNZ83FT	7619028 862	717254 673	EF6	CP011WB	IS	electro	LWG01	FZ0306	TS	CP	WB	011		2130 00	544 00	488 00		2053 4					Tear in D fin btw ra	2	9/10	EF/JS/JM	LWG01FZ0306TSCPWBC20	2	LWG01FZ0306TSCPWB011	ok
7/29/2002	12 17	ORNZ83FT	7619196.935	714632 036	EF7	SP011WB	IS	electro	LWG01	04R003	TS	SP	WB	011	Unusable	24 00	126 00														LWG0104R003TSSPWB011	ok
7/29/2002	12 17	ORNZ83FT	7619196 935	714632 036	EF7	SP012WB	IS	electro	LWG01	04R003	TS	SP	WB	012	Unusable	14 00	106 00														LWG0104R003TSSPWB012	ok
7/29/2002	12 17	ORNZ83FT	7619196 935	714632.036	EF7	SP013WB	IS	electro	LWG01	04R003	TS	SP	WB	013	Unusable	10 80	96 00														LWG0104R003TSSPWB013	ok
7/29/2002	12 17	ORNZ83FT	7619196.935	714632 036	EF7	SP014WB	IS	electro	LWG01	04R003	TS	SP	WB	014	Unusable	10 00	94 00														LWG0104R003TSSPWB014	ok
7/29/2002	12 17	ORNZ83FT	7619196 935	714632 036	EF7	SP015WB	IS	electro	LWG01	04R003	TS	SP	WB	015	Unusable	10 00	92 00														LWG0104R003TSSPWB015	ok
7/29/2002	12 17	ORNZ83FT	7619196 935	714632 036	EF7	SP016WB	IS	electro	LWG01	04R003	TS	SP	WB	016	Unusable	8 00	90 00														LWG0104R003TSSPWB016	ok
7/29/2002	12 45	ORNZ83FT	7619251 175	714347.290	EF8	SP017WB	IS	electro	LWG01	04R003	TS	SP	WB	017	Unusable	28 00	127 00														LWG0104R003TSSPWB017	ok
7/29/2002	12 45	ORNZ83FT	7619251 175	714347 290	EF8	SP018WB	IS	electro	LWG01	04R003	TS	SP	WB	018	Unusable	12 50	98 00														LWG0104R003TSSPWB018	ok
7/29/2002	12 45	ORNZ83FT	7619251 175	714347 290	EF8	SP019WB	IS	electro	LWG01	04R003	TS	SP	WB	019	Unusable	10 00	91 00														LWG0104R003TSSPWB019	ok
7/29/2002	12 45	ORNZ83FT	7619251 175	714347.290	EF8	SP020WB	IS	electro	LWG01	04R003	TS	SP	WB	020	Unusable	11 00	97 00														LWG0104R003TSSPWB020	ok
7/29/2002	12 45	ORNZ83FT	7619251 175	714347 290	EF8	SP021WB	IS	electro	LWG01	04R003	TS	SP	WB	021	Unusable	11 00	97 00														LWG0104R003TSSPWB021	ok
7/29/2002	12 45	ORNZ83FT	7619251 175	714347 290	EF8	SP022WB	IS	electro	LWG01	04R003	TS	SP	WB	022	Unusable	9 80	95 00														LWG0104R003TSSPWB022	ok
7/30/2002	7.30	ORNZ83FT	7617416.805	718268 853	CT1	CR001WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	001		35 50	100 00			34 6											LWG0103R003TSCRWB001	ok
7/30/2002	7.30	ORNZ83FT	7617416.805	718268 853	CT1	CR002WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	002		41 50	110 00			40 6						11/19_1	11/20	LF/JS/SN/JC	LWG0103R003TSCRWBC00	0	LWG0103R003TSCRWB002	ok
7/30/2002	7 30	ORNZ83FT	7617416 805	718268 853	CT1	CR003WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	003		30 50	100 00			30 1											LWG0103R003TSCRWB003	ok
7/30/2002	7 30	ORNZ83FT	7617416 805	718268 853	CT1	CR004WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	004		42 00	121 00			46 6						11/19_1	11/20	LF/JS/SN/JC	LWG0103R003TSCRWBC00	0	LWG0103R003TSCRWB004	ok
7/30/2002	7 30	ORNZ83FT	7617416.805	718268 853	CT1	CR005WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	005		44 00	115 00			43 8						11/19_1	11/20	LF/JS/SN/JC	LWG0103R003TSCRWBC00	0	LWG0103R003TSCRWB005	ok
7/30/2002	7 30	ORNZ83FT	7617416 805	718268 853	CT1	CR006WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	006		29 50	100 00			29 1					Station changed to 03R034						LWG0103R003TSCRWB006	ok
7/30/2002	7 45	ORNZ83FT	7619964 104	717091 122	CT2	CR001WB	IS	Crayfish trap	LWG01	03R005	TS	CR	WB	001		28 00	101 00			27 8						11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSCRWBC00	0	LWG0103R005TSCRWB001	ok
7/30/2002	9 46	ORNZ83FT	7619615 599	713772 440	EF2	CP012F	IS	electro	LWG01	FZ0306	TS	CP	F	012		2150 00	531 00	477 00		2056 4	525 0	474 0	217.3	380 0		3	9/10	EF/SN/JS	LWG01FZ0306TSCPFLC30 and LWG01FZ0306TSCPFSC30	3	LWG01FZ0306TSCPF012	ok
7/30/2002	9 46	ORNZ83FT	7619615.599	713772 440	EF2	CP013F	IS	electro	LWG01	FZ0306	TS	CP	F	013		2010 00	534 00	480 00		1921 8	528 0	478 0	204 9	334 8		2	9/10	EF/SN/JS	LWG01FZ0306TSCPFLC20 and LWG01FZ0306TSCPFSC20	2	LWG01FZ0306TSCPF013	ok
7/30/2002	11 34	ORNZ83FT	7618990 049	717296 644	EF5	CP014F	IS	electro	LWG01	FZ0306	TS	CP	F	014		2150 00	539 00	484 00		2107 7	534 0	485 0	228 7	291 8		1	9/10	EF/SN/JS	LWG01FZ0306TSCPFLC10 and LWG01FZ0306TSCPFSC10	1	LWG01FZ0306TSCPF014	ok
7/30/2002	11 34	ORNZ83FT	7618990 049	717296 644	EF5	CP015F	IS	electro	LWG01	FZ0306	TS	CP	F	015		2090 00	545 00	485 00		2019 9	536 0	480 0	244 0	336 2		2	9/10	EF/SN/JS	LWG01FZ0306TSCPFLC20 and LWG01FZ0306TSCPFSC20	2	LWG01FZ0306TSCPF015	ok
7/30/2002	11 34	ORNZ83FT	7618990 049	717296 644	EF5	CP016F	IS	electro	LWG01	FZ0306	TS	CP	F	016		2560 00	573 00	521 00		2481 9	555 0	514 0	240 8	353 8		3	9/10	EF/SN/JS	LWG01FZ0306TSCPFLC30 and LWG01FZ0306TSCPFSC30	3	LWG01FZ0306TSCPF016	ok
7/30/2002	12.39	ORNZ83FT	7618349.594	712009 148	EF6	CP017F	IS	electro	LWG01	FZ0306	TS	CP	F	017		2880 00	560 00	506 00	few scales	2777 2	560 0	506 0	243 9	395 4		3	9/10	EF/SN/JS	LWG01FZ0306TSCPFLC30 and LWG01FZ0306TSCPFSC30	3	LWG01FZ0306TSCPF017	ok
7/30/2002	12 39	ORNZ83FT	7618349 594	712009 148	EF6	CP018WB	IS	electro	LWG01	FZ0306	TS	CP	WB	018		2520 00	570 00	507 00		2464 4						3	9/10	EF/JS/JM	LWG01FZ0306TSCPWBC30	3	LWG01FZ0306TSCPWB018	ok
7/30/2002	12 39	ORNZ83FT	7618349 594	712009 148	EF6	LS039F	IS	electro	LWG01	FZ0306	TS	LS	F	039		890 00	467 00	436 00		853 7	461 0	431 0	109 2	147 4							LWG01FZ0306TSLSF039	ok
7/30/2002	12.39	ORNZ83FT	7618349 594	712009 148	EF6	LS040F	IS	electro	LWG01	FZ0306	TS	LS	F	040		1040 00	472 00	450 00		1000 4	471 0	453 0	133 7	188 2							LWG01FZ0306TSLSF040	ok
7/30/2002	13 06	ORNZ83FT	7618603 004	711644 519	EF7	LS041F	IS	electro	LWG01	FZ0306	TS	LS	F	041		1010 00	449 00	425 00		956 2	447 0	423 0	148 1	171 5							LWG01FZ0306TSLSF041	ok
7/31/2002	8 08	ORNZ83FT	7616947 644	719970 249	CT1	CR001WB	IS	Crayfish trap	LWG01	03R008	TS	CR	WB	001		58 00	116 00			55 6						11/19_1	11/20	LF/JS/SN/JC	LWG0103R008TSCRWBC00	0	LWG0103R008TSCRWB001	ok
7/31/2002	8 08	ORNZ83FT	7616947 644	719970.249	CT1	CR002WB	IS	Crayfish trap	LWG01	03R008	TS	CR	WB	002		35 00	104 00			33.3						11/19_1	11/20	LF/JS/SN/JC	LWG0103R008TSCRWBC00	0	LWG0103R008TSCRWB002	ok
7/31/2002	8 25	ORNZ83FT	7619979 196	717161.362	CT2	CR002WB	IS	Crayfish trap	LWG01	03R005	TS	CR	WB	002		54 00	125 00			54 1						11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSCRWBC00	0	LWG0103R005TSCRWB002	ok
7/31/2002	9.25	ORNZ83FT	7621008 895	710458 715	EF1	SP001WB	IS	electro	LWG01	05R001	TS	SP	WB	001		30 00	131 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB001	ok
7/31/2002	9 25	ORNZ83FT	7621008 895	710458 715	EF1	SP002WB	IS	electro	LWG01	05R001	TS	SP	WB	002		8 00	90 00														LWG0105R001TSSPWB002	ok
7/31/2002	9 25	ORNZ83FT	7621008 895	710458 715	EF1	SP003WB	IS	electro	LWG01	05R001	TS	SP	WB	003		20 00	115 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB003	ok
7/31/2002	9:25	ORNZ83FT	7621008 895	710458 715	EF1	SP004WB	IS	electro	LWG01	05R001	TS	SP	WB	004		19.50	114 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB004	ok

Table C-1 Fish Tissue Data Master Table

Date	Time	Coord type	X Easting	Y Northing	Key Day	Map Key	Sampler	Method	Site Round	Station	Matrix	Species	Tissue	Sample	Excluded Sample	FieldWt g	FieldTLgth mm	FieldFLgth mm	FieldCmnts	LabWt g	LabTLgth mm	LabFLgth mm	LabFSWt g	LabFLWt g	LabCmnts	Comp	SentToLab	Packer	Comp sample code	rep code	sample code	dup check
7/22/2002	21 40	ORNZ83FT	7617106.270	723240 030	EF1	SP008WB	IS	electro	LWG01	02R001	TS	SP	WB	008		21 00	120 00									1	9/17	EF/JS/SN	LWG0102R001TSSPWBC0_Lost0	0_Lost	LWG0102R001TSSPWB008	ok
7/22/2002	21 40	ORNZ83FT	7617106.270	723240 030	EF1	SP009WB	IS	electro	LWG01	02R001	TS	SP	WB	009		25 00	122 00									1	9/17	EF/JS/SN	LWG0102R001TSSPWBC0_Lost0	0_Lost	LWG0102R001TSSPWB009	ok
7/22/2002	21 40	ORNZ83FT	7617106 270	723240 030	EF1	SP010WB	IS	electro	LWG01	02R001	TS	SP	WB	010		29 00	131 00									1	9/17	EF/JS/SN	LWG0102R001TSSPWBC0_Lost0	0_Lost	LWG0102R001TSSPWB010	ok
7/22/2002	21 40	ORNZ83FT	7617106 270	723240 030	EF1	SP011WB	IS	electro	LWG01	02R001	TS	SP	WB	011		28 00	136 00									1	9/17	EF/JS/SN	LWG0102R001TSSPWBC0_Lost0	0_Lost	LWG0102R001TSSPWB011	ok
7/22/2002	21 40	ORNZ83FT	7617106.270	723240 030	EF1	SP012WB	IS	electro	LWG01	02R001	TS	SP	WB	012		12.00	95 00									1	9/17	EF/JS/SN	LWG0102R001TSSPWBC0_Lost0	0_Lost	LWG0102R001TSSPWB012	ok
7/22/2002	23 58	ORNZ83FT	7617018 700	719497 420	EF2	SP001WB	IS	electro	LWG01	03R001	TS	SP	WB	001	Unusable	30 00	128 00														LWG0103R001TSSPWB001	ok
7/22/2002	23 58	ORNZ83FT	7617018 700	719497 420	EF2	SP002WB	IS	electro	LWG01	03R001	TS	SP	WB	002	Unusable	28 00	130 00														LWG0103R001TSSPWB002	ok
7/22/2002	23 58	ORNZ83FT	7617018 700	719497 420	EF2	SP003WB	IS	electro	LWG01	03R001	TS	SP	WB	003	Unusable	21 00	114 00														LWG0103R001TSSPWB003	ok
7/22/2002	23 58	ORNZ83FT	7617018 700	719497 420	EF2	SP004WB	IS	electro	LWG01	03R001	TS	SP	WB	004	Unusable	12 00	98 00														LWG0103R001TSSPWB004	ok
7/22/2002	23 58	ORNZ83FT	7617018 700	719497 420	EF2	SP005WB	IS	electro	LWG01	03R001	TS	SP	WB	005	Unusable	18 00	110 00														LWG0103R001TSSPWB005	ok
7/22/2002	23.58	ORNZ83FT	7617018 700	719497 420	EF2	SP006WB	IS	electro	LWG01	03R001	TS	SP	WB	006	Unusable	15 00	107 00														LWG0103R001TSSPWB006	ok
7/22/2002	23 58	ORNZ83FT	7617018 700	719497 420	EF2	SP007WB	IS	electro	LWG01	03R001	TS	SP	WB	007	Unusable	11 00	94 00														LWG0103R001TSSPWB007	ok
7/22/2002	23.58	ORNZ83FT	7617018 700	719497 420	EF2	LS005WB	IS	electro	LWG01	03R014	TS	LS	WB	005		680 00	416 00	387 00													LWG0103R014TSLSWB005	ok
7/22/2002	23 58	ORNZ83FT	7617018 700	719497 420	EF2	LS006WB	IS	electro	LWG01	03R014	TS	LS	WB	006		790 00	426 00	404 00								9/16 1	9/17	SN	LWG0103R014TSLSWBC10	1	LWG0103R014TSLSWB006	ok
7/22/2002	23 58	ORNZ83FT	7617018 700	719497 420	EF2	LS007WB	IS	electro	LWG01	03R014	TS	LS	WB	007		710 00	411 00	390 00								11/19_2	11/27	EF/JS	LWG0103R014TSLSWBC20	2	LWG0103R014TSLSWB007	ok
7/22/2002	23.58	ORNZ83FT	7617018 700	719497 420	EF2	LS008WB	IS	electro	LWG01	03R014	TS	LS	WB	008		750 00	434 00	405 00								9/16 1	9/17	SN	LWG0103R014TSLSWBC10	1	LWG0103R014TSLSWB008	ok
7/22/2002	23 58	ORNZ83FT	7617018.700	719497 420	EF2	LS009WB	IS	electro	LWG01	03R014	TS	LS	WB	009		750 00	396 00	370 00								11/19_2	11/27	EF/JS	LWG0103R014TSLSWBC20	2	LWG0103R014TSLSWB009	ok
7/22/2002	23 58	ORNZ83FT	7617018 700	719497 420	EF2	SB002WB	IS	electro	LWG01	03R014	TS	SB	WB	002		480 00	342 00	325 00		498.3					none recorde	11/15_1	11/27	EF/JS	LWG0103R014TSSBWBC00	0	LWG0103R014TSSBWB002	ok
7/23/2002	20-40	ORNZ83FT	7616940 930	719915 840	EF1	SP010WB	IS	electro	LWG01	03R001	TS	SP	WB	010		10 80	94 00									2	10/8	JD/SN			LWG0103R001TSSPWB010	ok
7/23/2002	20 40	ORNZ83FT	7616940 930	719915 840	EF1	SP011WB	IS	electro	LWG01	03R001	TS	SP	WB	011		16 20	110 00									2	10/8	JD/SN			LWG0103R001TSSPWB011	ok
7/23/2002	20 40	ORNZ83FT	7616940 930	719915 840	EF1	SP012WB	IS	electro	LWG01	03R001	TS	SP	WB	012		16 20	116 00									2	10/8	JD/SN			LWG0103R001TSSPWB012	ok
7/23/2002	20-40	ORNZ83FT	7616940 930	719915 840	EF1	LS010WB	IS	electro	LWG01	03R014	TS	LS	WB	010		298 00	324 00	304 00													LWG0103R014TSLSWB010	ok
7/23/2002	20-40	ORNZ83FT	7616940 930	719915 840	EF1	LS007F	IS	electro	LWG01	FZ0306	TS	LS	F	007		680 00	422 00	402 00							ARCHIVE						LWG01FZ0306TSLSF007	ok
7/23/2002	20 40	ORNZ83FT	7616940 930	719915 840	EF1	LS008F	IS	electro	LWG01	FZ0306	TS	LS	F	008		732 00	414 00	389 00							ARCHIVE						LWG01FZ0306TSLSF008	ok
7/23/2002	20-40	ORNZ83FT	7616940 930	719915 840	EF1	LS009F	IS	electro	LWG01	FZ0306	TS	LS	F	009		650 00	422 00	395 00							ARCHIVE						LWG01FZ0306TSLSF009	ok
7/23/2002	20-40	ORNZ83FT	7616940 930	719915 840	EF1	LS010WB	IS	electro	LWG01	FZ0306	TS	LS	WB	010		580 00	395 00	374 00		608 7					none recorded						LWG01FZ0306TSLSWB010	ok
7/23/2002	20 40	ORNZ83FT	7616940 930	719915 840	EF1	LS011WB	IS	electro	LWG01	FZ0306	TS	LS	WB	011		495 00	374 00	351 00		521 8					none recorded						LWG01FZ0306TSLSWB011	ok
7/23/2002	20-40	ORNZ83FT	7616940 930	719915 840	EF1	LS012WB	IS	electro	LWG01	FZ0306	TS	LS	WB	012		475 00	379 00	356 00		471 4					none recorded						LWG01FZ0306TSLSWB012	ok
7/23/2002	20 40	ORNZ83FT	7616940 930	719915 840	EF1	SP008WB	IS	electro	LWG01	03R001	TS	SP	WB	008		42 00	135 00									2	10/8	JD/SN			LWG0103R001TSSPWB008	ok
7/23/2002	20-40	ORNZ83FT	7616940 930	719915 840	EF1	SP009WB	IS	electro	LWG01	03R001	TS	SP	WB	009		16 50	106 00									2	10/8	JD/SN			LWG0103R001TSSPWB009	ok
7/23/2002	21 25	ORNZ83FT	7614700 230	719641 280	EF2	SP013WB	IS	electro	LWG01	03R001	TS	SP	WB	013	Unusable	28 50	128 00														LWG0103R001TSSPWB013	ok
7/23/2002	21 25	ORNZ83FT	7614700.230	719641 280	EF2	SP014WB	IS	electro	LWG01	03R001	TS	SP	WB	014	Unusable	13 00	97 00														LWG0103R001TSSPWB014	ok
7/23/2002	21 25	ORNZ83FT	7614700.230	719641.280	EF2	SP015WB	IS	electro	LWG01	03R001	TS	SP	WB	015	Unusable	23.50	124 00														LWG0103R001TSSPWB015	ok
7/23/2002	21 25	ORNZ83FT	7614700 230	719641 280	EF2	SP016WB	IS	electro	LWG01	03R001	TS	SP	WB	016	Unusable	16 00	106 00														LWG0103R001TSSPWB016	ok
7/23/2002	21 25	ORNZ83FT	7614700 230	719641.280	EF2	SB003F	IS	electro	LWG01	03R014	TS	SB	F	003		'75 00	371 00			744.5	366 0	351 0	112.8	155 0	ars to be defc	11/15_1	11/27	EF/JS	LWG0103R014TSSBFLC00 and LWG0103R014TSSBFSC00	0	LWG0103R014TSSBF003	ok
7/23/2002	21.25	ORNZ83FT	7614700 230	719641.280	EF2	SB004F	IS	electro	LWG01	03R014	TS	SB	F	004		620 00	362 00		left eye unusual shape, size,	625 4	350 0	330 0	67 8	124 7	apparent les	11/15_1	11/27	EF/JS	LWG0103R014TSSBFLC00 and LWG0103R014TSSBFSC00	0	LWG0103R014TSSBF004	ok
7/23/2002	21 25	ORNZ83FT	7614700.230	719641 280	EF2	SB005F	IS	electro	LWG01	03R014	TS	SB	F	005		390 00	305 00			398 5	301 0	295 0	53 5	79 8	id 3rd spine,	11/15_1	11/27	EF/JS	LWG0103R014TSSBFLC00 and LWG0103R014TSSBFSC00	0	LWG0103R014TSSBF005	ok
7/23/2002	21 25	ORNZ83FT	7614700 230	719641.280	EF2	BC001F	IS	electro	LWG01	FZ0306	TS	BC	F	001		280 00	259 00			273 8	256 0	246 0	27 8	61 5	anus, red n	12/03_1	12/11	LF/JS/JC	LWG01FZ0306TSBCFLC10 and LWG01FZ0306TSBCFSC10	1	LWG01FZ0306TSBCF001	ok
7/23/2002	21 25	ORNZ83FT	7614700 230	719641 280	EF2	LS015F	IS	electro	LWG01	FZ0306	TS	LS	F	015		965 00	464 00	440 00							ARCHIVE		12/11	LF/JS/JC			LWG01FZ0306TSLSF015	ok
7/23/2002	21 25	ORNZ83FT	7614700.230	719641 280	EF2	LS016F	IS	electro	LWG01	FZ0306	TS	LS	F	016		1200 00	499 00	473 00	on lower right	1195 6	493 0	470 0	166 3	207 7	e small lesion on L pectoral f		12/11	LF/JS/JC			LWG01FZ0306TSLSF016	ok
7/23/2002	21 25	ORNZ83FT	7614700.230	719641.280	EF2	LS017F	IS	electro	LWG01	FZ0306	TS	LS	F	017		875 00	456 00	427 00		890	466 0	437 0	109 1	152 6	n on L ventral pectoral small		12/11	LF/JS/JC			LWG01FZ0306TSLSF017	ok
7/23/2002	21.25	ORNZ83FT	7614700 230	719641.280	EF2	LS018WB	IS	electro	LWG01	FZ0306	TS	LS	WB	018		780 00	432 00	408 00		776 7					none recorde	9/16 1	12/11	LF/JS/JC	LWG0103R014TSLSWBC10	1	LWG01FZ0306TSLSWB018	ok
7/23/2002	21.25	ORNZ83FT	7614700.230	719641.280	EF2	LS019WB	IS	electro	LWG01	FZ0306	TS	LS	WB	019		860 00	454 00	431 00		876 7					none recorded		12/11	LF/JS/JC			LWG01FZ0306TSLSWB019	ok
7/23/2002	21 25	ORNZ83FT	7614700 230	719641 280	EF2	LS020WB	IS	electro	LWG01	FZ0306	TS	LS	WB	020		725 00	424 00	409 00		740 9					none recorde	11/19_2	12/11	LF/JS/JC	LWG0103R014TSLSWBC20	2	LWG01FZ0306TSLSWB020	ok
7/23/2002	21 25	ORNZ83FT	7614700 230	719641.280	EF2	LS021WB	IS	electro	LWG01	FZ0306	TS	LS	WB	021		750 00	430 00	407 00		754 5					none recorde	11/19_2	12/11	LF/JS/JC	LWG0103R014TSLSWBC20	2	LWG01FZ0306TSLSWB021	ok
7/23/2002	21 25	ORNZ83FT	7614700 230	719641.280	EF2	LS022WB	IS	electro	LWG01	FZ0306	TS	LS	WB	022		575 00	377 00	356 00		565 1					none recorded		12/11	LF/JS/JC			LWG01FZ0306TSLSWB022	ok
7/23/2002	21 25	ORNZ83FT	7614700 230	719641 280	EF2	LS023WB	IS	electro	LWG01	FZ0306	TS	LS	WB	023		660 00	389 00	370 00		680 3					none recorded		12/11	LF/JS/JC			LWG01FZ0306TSLSWB023	ok
7/23/2002	21.25	ORNZ83FT	7614700 230	719641.280	EF2	LS013F	IS	electro	LWG01	FZ0306	TS	LS	F	013		1075 00	490 00	459 00							ARCHIVE		12/11	LF/JS/JC			LWG01FZ0306TSLSF013	ok
7/23/2002	21.25	ORNZ83FT	7614700.230	719641.280	EF2	LS014F	IS	electro	LWG01	FZ0306	TS	LS	F	014		1020 00	468 00	443 00							ARCHIVE		12/11	LF/JS/JC			LWG01FZ0306TSLSF014	ok
7/23/2002	22 30	ORNZ83FT	7616905 940	719977 880	EF3	YB001WB	IS	electro	LWG01	FZ0306	TS	YB	WB	001		180 00	233 00			175.3					none recorded		12/11	LF/JS/JC			LWG01FZ0306TSYBWB001	ok
7/23/2002	23 30	ORNZ83FT	7615020 870	720681.370	EF4	NP001WB	IS	electro	LWG01	03R014	TS	NP	WB	001		575 00	414 00	375 00							none recorde	1	12/11	LF/JS/JC	LWG0103R014TSNPWBC00	0	LWG0103R014TSNPWB001	ok
7/23/2002	23 30	ORNZ83FT	7615020 870	720681.370	EF4	NP002WB	IS	electro	LWG01	03R014	TS	NP	WB	002		410 00	390 00	358 00							none recorde	1	12/11	LF/JS/JC	LWG0103R014TSNPWBC00	0	LWG0103R014TSNPWB002	ok
7/23/2002	23 30	ORNZ83FT	7615020 870	720681.370	EF4	SB006F	IS	electro	LWG01	03R014	TS	SB	F	006		1180 00	432 00			1170	420 0	394 0	184.5	225 1	cellent condi	11/15_Archive	12/11	LF/JS/JC			LWG0103R014TSSBF006	ok
7/23/2002	23 30	ORNZ83FT	7615020 870	720681 370	EF4	SB007WB	IS	electro	LWG01	03R014	TS	SB	WB	007		680 00	363 00			678 5					none recorde	11/15_Archive	12/11	LF/JS/JC			LWG0103R014TSSBWB007	ok
7/23/2002	23.30	ORNZ83FT	7615020 870	720681.370	EF4	SB008WB	IS	electro	LWG01	03R014	TS	SB	WB	008		860 00	393 00			882 9					none recorde	11/15_Archive	12/11	LF/JS/JC			LWG0103R014TSSBWB008	ok
7/23/2002	23.30	ORNZ83FT	7615020 870	720681 370	EF4	WE001F	IS	electro	LWG01	FZ0306	TS	WE	F	001		1845 00	573 00	544 00		1826 6	559 0	533 0	237 9	403 7	d striping in tail		12/11	LF/JS/JC			LWG01FZ0306TSWEF001	ok
7/24/2002	0-50	ORNZ83FT	7615041.360	720831 630	EF5	SB009WB	IS	electro	LWG01	03R014	TS	SB	WB	009		520 00	344 00			501 7					none recorde	11/15_1	12/11	LF/JS/JC	LWG0103R014TSSBWBC00	0	LWG0103R014TSSBWB009	ok
7/24/2002	20 45	ORNZ83FT	7615230 202	718841 132	EF1	SP001WB	IS	electro	LWG01	03R002	TS	SP	WB	001	Unusable	11 80	95 00										12/11	LF/JS/JC			LWG0103R002TSSPWB001	ok
7/24/2002	20-45	ORNZ83FT	7615230 202	718841 132	EF1	LS024WB	IS	electro	LWG01	FZ0306	TS	LS	WB	024		980 00	477 00	450 00		976 4					Lots of dark brown blood & slime, attempted to transfer as much fluids as possble		12/11	LF/JS/JC			LWG01FZ0306TSLSWB024	ok
7/24/2002	21 50	ORNZ83FT	7614686.874	719543 281	EF2	BB001F	IS	electro	LWG01	FZ0306	TS	BB	F	001		245 00	267 00			236 1	266 0	262 0	27.8	33 9	s to make ha	11/22_1	12/11	LF/JS/JC	LWG01FZ0306TSBBFLC10 and LWG01FZ0306TSBBFSC10	1	LWG01FZ0306TSBBF001	ok
7/24/2002	21 50	ORNZ83FT	7614686 874	719543 281	EF2	BB002F	IS	electro	LWG01	FZ0306	TS	BB	F	002		228 00	250 00			220 8	255 0	249 0	37 3	36.2	rage on L pe	11/22_2	12/11	LF/JS/JC	LWG01FZ0306TSBBFLC20 and LWG01FZ0306TSBBFSC20	2	LWG01FZ0306TSBBF002	ok
7/24/2002	21 50	ORNZ83FT	7614686 874	719543.281	EF2	LS025F	IS	electro	LWG01	FZ0306	TS	LS	F	025		1050 00	502 00	472 00		1055 9	488 0	463 0	128 9	178 4	is on L side, lesion R posterk		12/11	LF/JS/JC			LWG01FZ0306TSLSF025	ok
7/24/2002	21 50	ORNZ83FT	7614686.874	719543 281	EF2	WE002F	IS	electro	LWG01	FZ0306	TS	WE	F	002		900 00	455 00	429 00		921 9	448 0	422 0	139 9	214 7	good condition		12/11	LF/JS/JC			LWG01FZ0306TSWEF002	ok
7/24/2002	23-00	ORNZ83FT	7615066 415	720652 834	EF3	CP001F	IS	electro	LWG01	FZ0306	TS	CP	F	001		2520 00	591 00	530 00		2509 6	567 0	511 0	310 6	417 6	ear posterior	1	12/11	LF/JS/JC	LWG01FZ0306TSCPFLC10 and LWG01FZ0306TSCPFSC10	1	LWG01FZ0306TSCPF001	ok
7/25/2002	20-10	ORNZ83FT	7615555 498	718178.252	EF1	CP002F	IS	electro	LWG01	FZ0306	TS	CP	F	002		1810 00	522 00	471 00		1808	511 0	468 0	299 6	190 9	ish, will avoi	2	12/11	LF/JS/JC	LWG01FZ0306TSCPFLC20 and LWG01FZ0306TSCPFSC20	2	LWG01FZ0306TSCPF002	ok
7/25/2002	20-10	ORNZ83FT	7615555 498	718178 252	EF1	LS026F	IS	electro	LWG01	FZ0306	TS	LS	F	026		880 00	450 00	422 00		860 1	438 0	405 0	103.3	151 4	fins have reddening hemorrh		12/11	LF/JS/JC			LWG01FZ0306TSLSF026	ok
7/25/2002	20 10	ORNZ83FT	7615555 498	718178 252	EF1	LS027F	IS	electro	LWG01	FZ0306	TS	LS	F	027		1000 00	462 00	436 00		1040	455 0	429 0	63.2	121 4	re anal fin & back evidenced l		12/11	LF/JS/JC			LWG01FZ0306TSLSF027	ok
7/25/2002	20-10	ORNZ83FT	7615555 498	718178.252	EF1	LS028WB	IS	electro	LWG01	FZ0306	TS	LS	WB	028		960 00	459 00	434 00		928 7					Contusion above R pelvic fin, reddening around posterior port		12/11	LF/JS/JC			LWG01FZ0306TSLSWB028	ok
7/25/2002	20-10	ORNZ83FT	7615555 498	718178.252	EF1	LS029WB	IS	electro	LWG01	FZ0306	TS	LS	WB	029		750 00	421 00	393 00		742.5					Reddening of anal fin, right pelvic fin & pectoral fins, se	9/16 1	12/11	LF/JS/JC	LWG0103R014TSLSWBC10	1	LWG01FZ0306TSLSWB029	ok
7/25/2002	20-10	ORNZ83FT	7615555 498	718178 252	EF1	LS030WB	IS	electro	LWG01	FZ0306	TS	LS	WB	030		710 00	415 00	393 00		693.3					Hemmoraghic on dorsal part of anal fin hemr	11/19_2	12/11	LF/JS/JC	LWG0103R014TSLSWBC20	2	LWG01FZ0306TSLSWB030	ok
7/25/2002	20-10	ORNZ83FT	7615555 498	718178.252	EF1	LS031WB	IS	electro	LWG01	FZ0306	TS	LS	WB	031		610 00	403 00	378 00							ARCHIVE		12/11	LF/JS/JC			LWG01FZ0306TSLSWB031	ok
7/25/2002	21-02	ORNZ83FT	7615640 410	718077 705	EF2	SP002WB	IS	electro	LWG01	03R002	TS	SP	WB	002		17 50	115 00									3	12/11	LF/JS/JC	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB002	ok
7/25/2002	21-02	ORNZ83FT	7615640 410	718077 705	EF2	SP003WB	IS	electro	LWG01	03R002	TS	SP	WB	003		13.20	100 00									3	12/11	LF/JS/JC	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB003	ok
7/25/2002	21-02	ORNZ83FT	7615640 410	718077 705	EF2	SP004WB	IS	electro	LWG01	03R002	TS	SP	WB	004		15 00	100 00									3	12/11	LF/JS/JC	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB004	ok
7/25/2002	21-02	ORNZ83FT	7615640 410	718077 705	EF2	SP005WB	IS	electro	LWG01	03R002	TS	SP	WB	005		11 20	96 00									3	12/11	LF/JS/JC	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB005	ok
7/25/2002	21 02	ORNZ83FT	7615640 410	718077 705	EF2	SP006WB	IS	electro	LWG01	03R002	TS	SP	WB	006	Unusable	8 50	90 00										12/11	LF/JS/JC			LWG0103R002TSSPWB006	ok
7/25/2002	21-02	ORNZ83FT	7615640 410	718077 705	EF2	SP007WB	IS	electro	LWG01	03R002	TS	SP	WB	007	Unusable	9.20	93 00										12/11	LF/JS/JC			LWG0103R002TSSPWB007	ok
7/25/2002	21-02	ORNZ83FT	7615640 410	718077 705	EF2	SB010F	IS	electro	LWG01	03R014	TS	SB	F	010		490 00	337 00			501 5	324 0	310 0	72 7	96.2	ites btw 1 &	11/15_1	11/27	EF/JS	LWG0103R014TSSBFLC00 and LWG0103R014TSSBFSC00	0	LWG0103R014TSSBF010	ok
7/25/2002	21-02	ORNZ83FT	7615640 410	718077 705	EF2	SB011WB	IS	electro	LWG01	03R014	TS	SB	WB	011		265 00	279 00								ARCHIVE	11/15_Archive					LWG0103R014TSSBWB011	ok
7/25/2002	21 35	ORNZ83FT	7615957 628	717336 344	EF3	SP008WB	IS	electro	LWG01	03R002	TS	SP	WB	008	Unusable	30 00	134 00														LWG0103R002TSSPWB008	ok
7/25/2002	21 35	ORNZ83FT	7615957 628	717336.344	EF3	SP009WB	IS	electro	LWG01	03R002	TS	SP	WB	009	Unusable	24 00	127 00														LWG0103R002TSSPWB009	ok
7/25/2002	21.35	ORNZ83FT	7615957 628	717336.344	EF3	SP010WB	IS	electro	LWG01	03R002	TS	SP	WB	010	Unusable	23.50	126 00														LWG0103R002TSSPWB010	ok
7/25/2002	21 35	ORNZ83FT	7615957 628	717336 344	EF3	SP011WB	IS	electro	LWG01	03R002	TS	SP	WB	011	Unusable	22 40	122 00														LWG0103R002TSSPWB011	ok
7/25/2002	21 35	ORNZ83FT	7615957 628	717336.344	EF3	SP012WB	IS	electro	LWG01	03R002	TS	SP	WB	012	Unusable	17 00	107 00														LWG0103R002TSSPWB012	ok
7/25/2002	21 35	ORNZ83FT	7615957 628	717336.344	EF3	SP013WB	IS	electro	LWG01	03R002	TS	SP	WB	013	Unusable	16 00	112 00														LWG0103R002TSSPWB013	ok
7/25/2002	21 35	ORNZ83FT	7615957 628	717336 344	EF3	SP014WB	IS	electro	LWG01	03R002	TS	SP	WB	014	Unusable	20 00	117 00														LWG0103R002TSSPWB014	ok
7/25/2002	21 35	ORNZ83FT	7615957 628	717336 344	EF3	SP015WB	IS	electro	LWG01	03R002	TS	SP	WB	015	Unusable	13.20	100 00														LWG0103R002TSSPWB015	ok
7/25/2002	21.35	ORNZ83FT	7615957 628	717336.344	EF3	SP016WB	IS	electro	LWG01	03R002	TS	SP	WB	016	Unusable	16 00	108 00														LWG0103R002TSSPWB016	ok
7/25/2002	21 35	ORNZ83FT	7615957 628	717336.344	EF3	SP017WB	IS	electro	LWG01	03R002	TS	SP	WB	017	Unusable	13 40	106 00														LWG0103R002TSSPWB017	ok
7/25/2002	21 35	ORNZ83FT	7615957 628	717336.344	EF3	SP018WB	IS	electro	LWG01	03R002	TS	SP	WB	018	Unusable	12 50	101 00														LWG0103R002TSSPWB018	ok
7/25/2002	21.35	ORNZ83FT	7615957 628	717336 344	EF3	SP019WB	IS	electro	LWG01	03R002	TS	SP	WB	019	Unusable	13 50	107 00														LWG0103R002TSSPWB019	ok
7/25/2002	21 35	ORNZ83FT	7615957 628	717336.344	EF3	SP020WB	IS	electro	LWG01	03R002	TS	SP	WB	020	Unusable	11 00	98 00														LWG0103R002TSSPWB020	ok
7/25/2002	21.35	ORNZ83FT	7615957 628	717336.344	EF3	SP021WB	IS	electro	LWG01	03R002	TS	SP	WB	021	Unusable	12 00	100 00														LWG0103R002TSSPWB021	ok
7/25/2002	21 35	ORNZ83FT	7615957 628	717336 344	EF3	SP022WB	IS	electro	LWG01	03R002	TS	SP	WB	022	Unusable	8 80	94 00														LWG0103R002TSSPWB022	ok
7/25/2002	22 45	ORNZ83FT	7614955 103	719254 905	EF4	SB012WB	IS	electro	LWG01	03R014	TS	SB	WB	012		650 00	360 00								ARCHIVE	11/15_1	11/27	EF/JS	LWG0103R014TSSBWBC00	0	LWG0103R014TSSBWB012	ok
7/25/2002	23 47	ORNZ83FT	7617438.561	718251 871	EF5	SP001WB	IS	electro	LWG01	03R003	TS	SP	WB	001		57 50	167 00														LWG0103R003TSSPWB001	ok
7/25/2002	23 47	ORNZ83FT	7617438.561	718251 871	EF5	SP002WB	IS	electro	LWG01	03R003	TS	SP	WB	002		28 40	132 00	0 00													LWG0103R003TSSPWB002	ok
7/25/2002	23 47	ORNZ83FT	7617438 561	718251 871	EF5	SP003WB	IS	electro	LWG01	03R003	TS	SP	WB	003		30 50	133 00														LWG0103R003TSSPWB003	ok
7/25/2002	23 47	ORNZ83FT	7617438.561	718251 871	EF5	SP004WB	IS	electro	LWG01	03R003	TS	SP	WB	004	Unusable	25.50	131 00														LWG0103R003TSSPWB004	ok
7/26/2002	0.20	ORNZ83FT	7617415 802	718411.382	EF6	SB013WB	IS	electro	LWG01	03R014	TS	SB	WB	013		322 00	282 00								ARCHIVE	11/15_1	11/27	EF/JS	LWG0103R014TSSBWBC00	0	LWG0103R014TSSBWB013	ok
7/26/2002	0:20	ORNZ83FT	7617415 802	718411.382	EF6	BB003F	IS	electro	LWG01	FZ0306	TS	BB	F	003		248 00	256 00			240 9	263 0	255 0	33 9	24 6	rsal fin redde	11/22_3	11/27/2002	EF/JS	LWG01FZ0306TSBBFLC30 and LWG01FZ0306TSBBFSC30	3	LWG01FZ0306TSBBF003	ok
7/26/2002	20-00	ORNZ83FT	7615639 062	718115 060	CT1	CR001WB	IS	Crayfish trap	LWG01	03R009	TS	CR	WB	001		37 00	110 00			36 7					Live - appears to have body	11/19_1	11/20	LF/JS/SN/JC	LWG0103R009TSCRWBC00	0	LWG0103R009TSCRWB001	ok
7/26/2002	20-00	ORNZ83FT	7615639 062	718115 060	CT1	CR002WB	IS	Crayfish trap	LWG01	03R009	TS	CR	WB	002		27.50	100 00			27 6					Live - appears to have body lice/juv crayfish						LWG0103R009TSCRWB002	ok
7/26/2002	20-00	ORNZ83FT	7615639 062	718115 060	CT1	CR003WB	IS	Crayfish trap	LWG01	03R009	TS	CR	WB	003		29 50	101 00			29.5					Live - appears to have body lice/juv crayfish						LWG0103R009TSCRWB003	ok

Table C-1 Fish Tissue Data Master Table

Date	Time	Coord type	X Easting	Y Northing	Key Day	Map Key	Sampler	Method	Site Round	Station	Matrix	Species	Tissue	Sample	Excluded Sample	FieldWt g	FieldTLgth mm	FieldFLgth mm	FieldCmnts	LabWt g	LabTLgth mm	LabFLgth mm	LabFSWt g	LabFLWt g	LabCmnts	Comp	SentToLab	Packer	Comp sample code	rep code	sample code	dup check
7/31/2002	9 25	ORNZ83FT	7621008 895	710458 715	EF1	SP005WB	IS	electro	LWG01	05R001	TS	SP	WB	005		20 00	114 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB005	ok
7/31/2002	9 25	ORNZ83FT	7621008 895	710458 715	EF1	SP006WB	IS	electro	LWG01	05R001	TS	SP	WB	006		20.50	115 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB006	ok
7/31/2002	9 25	ORNZ83FT	7621008 895	710458 715	EF1	SP007WB	IS	electro	LWG01	05R001	TS	SP	WB	007		13 50	102 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB007	ok
7/31/2002	9 25	ORNZ83FT	7621008 895	710458 715	EF1	SP008WB	IS	electro	LWG01	05R001	TS	SP	WB	008		24 00	126 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB008	ok
7/31/2002	9 25	ORNZ83FT	7621008 895	710458 715	EF1	SP009WB	IS	electro	LWG01	05R001	TS	SP	WB	009		14 00	99 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB009	ok
7/31/2002	9:25	ORNZ83FT	7621008 895	710458.715	EF1	SP010WB	IS	electro	LWG01	05R001	TS	SP	WB	010		12.00	99 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB010	ok
7/31/2002	9 25	ORNZ83FT	7621008 895	710458 715	EF1	SP011WB	IS	electro	LWG01	05R001	TS	SP	WB	011		10.5	97 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB011	ok
7/31/2002	9 25	ORNZ83FT	7621008 895	710458 715	EF1	SP012WB	IS	electro	LWG01	05R001	TS	SP	WB	012		13 00	104 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB012	ok
7/31/2002	9·25	ORNZ83FT	7621008.895	710458 715	EF1	SP013WB	IS	electro	LWG01	05R001	TS	SP	WB	013		18	111 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB013	ok
7/31/2002	9 25	ORNZ83FT	7621008 895	710458 715	EF1	SP014WB	IS	electro	LWG01	05R001	TS	SP	WB	014		12 50	98 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB014	ok
7/31/2002	9·25	ORNZ83FT	7621008.895	710458 715	EF1	SP015WB	IS	electro	LWG01	05R001	TS	SP	WB	015		16 00	106 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB015	ok
7/31/2002	9·25	ORNZ83FT	7621008.895	710458.715	EF1	SP016WB	IS	electro	LWG01	05R001	TS	SP	WB	016		10.50	94 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB016	ok
7/31/2002	9 25	ORNZ83FT	7621008 895	710458 715	EF1	SP017WB	IS	electro	LWG01	05R001	TS	SP	WB	017		10 50	93 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB017	ok
7/31/2002	9:25	ORNZ83FT	7621008 895	710458.715	EF1	SP018WB	IS	electro	LWG01	05R001	TS	SP	WB	018		11 5	94 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB018	ok
7/31/2002	9 25	ORNZ83FT	7621008.895	710458 715	EF1	SP019WB	IS	electro	LWG01	05R001	TS	SP	WB	019		10 50	93 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB019	ok
7/31/2002	9:25	ORNZ83FT	7621008 895	710458 715	EF1	LS042WB	IS	electro	LWG01	FZ0306	TS	LS	WB	042		700 00	413 00	390 00		671 1											LWG01FZ0306TSLSWB042	ok
7/31/2002	9 25	ORNZ83FT	7621008 895	710458 715	EF1	LS043WB	IS	electro	LWG01	FZ0306	TS	LS	WB	043		650 00	408 00	386 00		639.2											LWG01FZ0306TSLSWB043	ok
7/31/2002	9·25	ORNZ83FT	7621008 895	710458 715	EF1	LS044WB	IS	electro	LWG01	FZ0306	TS	LS	WB	044		860 00	432 00	409 00		811 7											LWG01FZ0306TSLSWB044	ok
7/31/2002	9 25	ORNZ83FT	7621008.895	710458 715	EF1	LS045WB	IS	electro	LWG01	FZ0306	TS	LS	WB	045		630 00	388 00	358 00		601 9											LWG01FZ0306TSLSWB045	ok
7/31/2002	9 48	ORNZ83FT	7621051 765	710356.123	EF2	SP020WB	IS	electro	LWG01	05R001	TS	SP	WB	020		12 00	102 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB020	ok
7/31/2002	9 48	ORNZ83FT	7621051 765	710356 123	EF2	SP021WB	IS	electro	LWG01	05R001	TS	SP	WB	021		10 00	100 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB021	ok
7/31/2002	9 48	ORNZ83FT	7621051 765	710356 123	EF2	SP022WB	IS	electro	LWG01	05R001	TS	SP	WB	022		31	136 00									4	10/8	JD/SN	LWG0105R001TSSPWBC00	0	LWG0105R001TSSPWB022	ok
7/31/2002	9 48	ORNZ83FT	7621051 765	710356.123	EF2	CP019WB	IS	electro	LWG01	FZ0306	TS	CP	WB	019		2060 00	525 00	470 00		2013 4						1	9/10	EF/JS/JM	LWG01FZ0306TSCPWBC10	1	LWG01FZ0306TSCPWB019	ok
7/31/2002	12 11	ORNZ83FT	7622530 766	708292 639	EF4	LS001WB	IS	electro	LWG01	05R006	TS	LS	WB	001		640 00	397 00	375 00		597 1											LWG0105R006TSLSWB001	ok
7/31/2002	12 11	ORNZ83FT	7622530 766	708292 639	EF4	LS002WB	IS	electro	LWG01	05R006	TS	LS	WB	002		600 00	394 00	374 00		560 9											LWG0105R006TSLSWB002	ok
7/31/2002	12 11	ORNZ83FT	7622530 766	708292 639	EF4	LS003WB	IS	electro	LWG01	05R006	TS	LS	WB	003		450 00	359 00	334 00		432.3											LWG0105R006TSLSWB003	ok
7/31/2002	12 11	ORNZ83FT	7622530 766	708292 639	EF4	CP020WB	IS	electro	LWG01	FZ0306	TS	CP	WB	020		2725 00	580 00	525 00		2665						3	9/10	EF/JS/JM	LWG01FZ0306TSCPWBC30	3	LWG01FZ0306TSCPWB020	ok
7/31/2002	12 11	ORNZ83FT	7622530 766	708292 639	EF4	CP021WB	IS	electro	LWG01	FZ0306	TS	CP	WB	021		2850 00	588 00	550 00		2806						1	9/10	EF/JS/JM	LWG01FZ0306TSCPWBC10	1	LWG01FZ0306TSCPWB021	ok
7/31/2002	12 59	ORNZ83FT	7622231 680	708579 356	EF5	SB004WB	IS	electro	LWG01	06R024	TS	SB	WB	004		420 00	292 00			389.3						11/26_1	11/27	EF/JS	LWG0106R024TSSBWBC00	0	LWG0106R024TSSBWB004	ok
7/31/2002	12 59	ORNZ83FT	7622231 680	708579.356	EF5	CP022WB	IS	electro	LWG01	FZ0306	TS	CP	WB	022		3140 00	580 00	526 00		3055 7					too heavy	2	9/10	EF/JS/JM	LWG01FZ0306TSCPWBC20	2	LWG01FZ0306TSCPWB022	ok
8/1/2002	9 44	ORNZ83FT	7619125 633	717252 660	EF1	LS046F	IS	electro	LWG01	FZ0306	TS	LS	F	046		790 00	410 00	388 00		737 8	405 0	382 0	65 1	122 4							LWG01FZ0306TSLSF046	ok
8/1/2002	10·38	ORNZ83FT	7614812.352	719523 772	EF2	NP003WB	IS	electro	LWG01	03R014	TS	NP	WB	003		425 00	370 00	332 00								1					LWG0103R014TSNPWB003	ok
8/1/2002	10·38	ORNZ83FT	7614812 352	719523 772	EF2	NP004WB	IS	electro	LWG01	03R014	TS	NP	WB	004		465 00	396 00	361 00	lme and dorsal fin in front of dorsal fin right eye with growth												LWG0103R014TSNPWB004	ok
8/1/2002	10·38	ORNZ83FT	7614812.352	719523 772	EF2	CP023WB	IS	electro	LWG01	FZ0306	TS	CP	WB	023		2310 00	528 00	484 00		2309 4						1	9/10	EF/JS/JM	LWG01FZ0306TSCPWBC10	1	LWG01FZ0306TSCPWB023	ok
8/1/2002	10·38	ORNZ83FT	7614812.352	719523 772	EF2	CP024WB	IS	electro	LWG01	FZ0306	TS	CP	WB	024		2040 00	540 00	483 00		2033 1						2	9/10	EF/JS/JM	LWG01FZ0306TSCPWBC20	2	LWG01FZ0306TSCPWB024	ok
8/1/2002	10·38	ORNZ83FT	7614812 352	719523 772	EF2	CP025WB	IS	electro	LWG01	FZ0306	TS	CP	WB	025		2090 00	520 00	475 00		2100.5						3	9/10	EF/JS/JM	LWG01FZ0306TSCPWBC30	3	LWG01FZ0306TSCPWB025	ok
8/1/2002	10.38	ORNZ83FT	7614812 352	719523 772	EF2	LS047F	IS	electro	LWG01	FZ0306	TS	LS	F	047		1080 00	463 00	441 00		1094 2	464 0	440 0	92 5	159 8							LWG01FZ0306TSLSF047	ok
8/1/2002	10·38	ORNZ83FT	7614812.352	719523 772	EF2	LS048F	IS	electro	LWG01	FZ0306	TS	LS	F	048		1000 00	465 00	442 00		1021 4	464 0	439 0	138.3	192 6							LWG01FZ0306TSLSF048	ok
8/1/2002	10 38	ORNZ83FT	7614812.352	719523 772	EF2	LS049WB	IS	electro	LWG01	FZ0306	TS	LS	WB	049		1020 00	475 00	444 00		1011.3											LWG01FZ0306TSLSWB049	ok
8/1/2002	10·38	ORNZ83FT	7614812 352	719523 772	EF2	LS050WB	IS	electro	LWG01	FZ0306	TS	LS	WB	050		750 00	437 00	417 00		786 2						9/16 1	9/17	SN	LWG0103R014TSLSWBC10	1	LWG01FZ0306TSLSWB050	ok
8/1/2002	10 38	ORNZ83FT	7614812.352	719523 772	EF2	LS051WB	IS	electro	LWG01	FZ0306	TS	LS	WB	051		960 00	460 00	431 00													LWG01FZ0306TSLSWB051	ok
8/1/2002	11 21	ORNZ83FT	7614903 079	720378.354	EF3	NP005WB	IS	electro	LWG01	03R014	TS	NP	WB	005		855 00	465 00	424 00								1					LWG0103R014TSNPWB005	ok
8/1/2002	11.21	ORNZ83FT	7614903 079	720378.354	EF3	NP006WB	IS	electro	LWG01	03R014	TS	NP	WB	006		700 00	444 00	401 00	IND LEFT PECTORAL FIN												LWG0103R014TSNPWB006	ok
8/1/2002	11.21	ORNZ83FT	7614903 079	720378.354	EF3	NP007WB	IS	electro	LWG01	03R014	TS	NP	WB	007		740 00	446 00	406 00								1					LWG0103R014TSNPWB007	ok
8/1/2002	11 21	ORNZ83FT	7614903 079	720378.354	EF3	NP008WB	IS	electro	LWG01	03R014	TS	NP	WB	008		445 00	387 00	354 00	SE OF VENTRAL CAUDAL FIN												LWG0103R014TSNPWB008	ok
8/1/2002	11 21	ORNZ83FT	7614903 079	720378 354	EF3	NP009WB	IS	electro	LWG01	03R014	TS	NP	WB	009		320 00	340 00	309 00													LWG0103R014TSNPWB009	ok
8/1/2002	11 21	ORNZ83FT	7614903 079	720378 354	EF3	NP010WB	IS	electro	LWG01	03R014	TS	NP	WB	010		270 00	321 00	291 00													LWG0103R014TSNPWB010	ok
8/1/2002	11 21	ORNZ83FT	7614903 079	720378.354	EF3	NP011WB	IS	electro	LWG01	03R014	TS	NP	WB	011		300 00	320 00	290 00													LWG0103R014TSNPWB011	ok
8/1/2002	11.21	ORNZ83FT	7614903 079	720378 354	EF3	NP012WB	IS	electro	LWG01	03R014	TS	NP	WB	012		215 00	300 00	272 00													LWG0103R014TSNPWB012	ok
8/1/2002	11.21	ORNZ83FT	7614903 079	720378.354	EF3	NP013WB	IS	electro	LWG01	03R014	TS	NP	WB	013		140 00	265 00	238 00													LWG0103R014TSNPWB013	ok
8/1/2002	11 21	ORNZ83FT	7614903 079	720378.354	EF3	CP026WB	IS	electro	LWG01	FZ0306	TS	CP	WB	026		2025 00	517 00	465 00		2007 7						1	9/10	EF/JS/JM	LWG01FZ0306TSCPWBC10	1	LWG01FZ0306TSCPWB026	ok
8/1/2002	12·03	ORNZ83FT	7615425.318	718699.320	EF4	CP027WB	IS	electro	LWG01	FZ0306	TS	CP	WB	027		2620 00	580 00	528 00		2596						2	9/10	EF/JS/JM	LWG01FZ0306TSCPWBC20	2	LWG01FZ0306TSCPWB027	ok
8/1/2002	12·03	ORNZ83FT	7615425 318	718699 320	EF4	CP028WB	IS	electro	LWG01	FZ0306	TS	CP	WB	028		1815 00	509 00	452 00		1827 6						3	9/10	EF/JS/JM	LWG01FZ0306TSCPWBC30	3	LWG01FZ0306TSCPWB028	ok
8/1/2002	13·07	ORNZ83FT	7623025 171	707825 417	EF5	CP029WB	IS	electro	LWG01	FZ0306	TS	CP	WB	029		4230 00	646 00	604 00		4201.3					too heavy	2	9/10	EF/JS/JM	LWG01FZ0306TSCPWBC20	2	LWG01FZ0306TSCPWB029	ok
8/1/2002	13·07	ORNZ83FT	7623025 171	707825 417	EF5	CP030WB	IS	electro	LWG01	FZ0306	TS	CP	WB	030		1810 00	515 00	468 00		1792 3						Archive					LWG01FZ0306TSCPWB030	ok
8/1/2002	13 40	ORNZ83FT	7622036 144	706973 135	EF6	CP031WB	IS	electro	LWG01	FZ0306	TS	CP	WB	031		2340 00	550 00	509 00		2354						3	9/10	EF/JS/JM	LWG01FZ0306TSCPWBC30	3	LWG01FZ0306TSCPWB031	ok
8/5/2002	22 15	ORNZ83FT	7622362 965	708475 916	CT1	CR001WB	IS	Crayfish trap	LWG01	05R003	TS	CR	WB	001		64 00	120 00			61 1						11/19_1	11/20	LF/JS/SN/JC	LWG0105R003TSCRWBC00	0	LWG0105R003TSCRWB001	ok
8/5/2002	22 15	ORNZ83FT	7622362 965	708475 916	CT1	CR002WB	IS	Crayfish trap	LWG01	05R003	TS	CR	WB	002		72 00	116 00			69 2						11/19_1	11/20	LF/JS/SN/JC	LWG0105R003TSCRWBC00	0	LWG0105R003TSCRWB002	ok
8/5/2002	22 15	ORNZ83FT	7622362 965	708475 916	CT1	CR003WB	IS	Crayfish trap	LWG01	05R003	TS	CR	WB	003		32 00	104 00			32 2						11/19_1	11/20	LF/JS/SN/JC	LWG0105R003TSCRWBC00	0	LWG0105R003TSCRWB003	ok
8/5/2002	22 30	ORNZ83FT	7626266 976	704142 928	CT2	CR001WB	IS	Crayfish trap	LWG01	06R004	TS	CR	WB	001		33 50	105 00			32 4						11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSCRWBC10	1	LWG0106R004TSCRWB001	ok
8/5/2002	22 40	ORNZ83FT	7627344 516	705390 557	CT3	CR001WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	001		28 00	103 00			28 5											LWG0106R002TSCRWB001	ok
8/6/2002	18 53	ORNZ83FT	7627344 516	705390 557	CT1	CR002WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	002		57 00	121 00			49 1						11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSCRWBC00	0	LWG0106R002TSCRWB002	ok
8/6/2002	18 53	ORNZ83FT	7627344 516	705390.557	CT1	CR003WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	003		46 00	116 00			45 7						11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSCRWBC00	0	LWG0106R002TSCRWB003	ok
8/6/2002	19·07	ORNZ83FT	7626266 976	704142 928	CT2	CR002WB	IS	Crayfish trap	LWG01	06R004	TS	CR	WB	002		49 00	109 00			48 8						11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSCRWBC10	1	LWG0106R004TSCRWB002	ok
8/6/2002	19·07	ORNZ83FT	7626266 976	704142 928	CT2	CR003WB	IS	Crayfish trap	LWG01	06R004	TS	CR	WB	003		51 00	109 00			51 2						11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSCRWBC10	1	LWG0106R004TSCRWB003	ok
8/6/2002	19·07	ORNZ83FT	7626266 976	704142 928	CT2	CR004WB	IS	Crayfish trap	LWG01	06R004	TS	CR	WB	004		30 50	102 00			30 4											LWG0106R004TSCRWB004	ok
8/6/2002	19·07	ORNZ83FT	7626266 976	704142 928	CT2	CR005WB	IS	Crayfish trap	LWG01	06R004	TS	CR	WB	005		40 00	104 00			38 7						11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSCRWBC10	1	LWG0106R004TSCRWB005	ok
8/6/2002	19·07	ORNZ83FT	7626266 976	704142 928	CT2	CR006WB	IS	Crayfish trap	LWG01	06R004	TS	CR	WB	006		44 00	101 00			43 6						11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSCRWBC10	1	LWG0106R004TSCRWB006	ok
8/6/2002	19·07	ORNZ83FT	7626266 976	704142 928	CT2	CR007WB	IS	Crayfish trap	LWG01	06R004	TS	CR	WB	007		49 50	117 00			49 2						11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSCRWBC10	1	LWG0106R004TSCRWB007	ok
8/6/2002	19 07	ORNZ83FT	7626266 976	704142 928	CT2	CR008WB	IS	Crayfish trap	LWG01	06R004	TS	CR	WB	008		33 00	105 00			32 7						11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSCRWBC10	1	LWG0106R004TSCRWB008	ok
8/6/2002	19·07	ORNZ83FT	7626266.976	704142 928	CT2	CR009WB	IS	Crayfish trap	LWG01	06R004	TS	CR	WB	009		35 50	103 00			34 8						11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSCRWBC10	1	LWG0106R004TSCRWB009	ok
8/6/2002	19·07	ORNZ83FT	7626266 976	704142 928	CT2	CR010WB	IS	Crayfish trap	LWG01	06R004	TS	CR	WB	010		24 00	100 00			23 7											LWG0106R004TSCRWB010	ok
8/6/2002	19·37	ORNZ83FT	7622362 965	708475 916	CT3	CR004WB	IS	Crayfish trap	LWG01	05R003	TS	CR	WB	004		45 00	118 00			45.2						11/19_1	11/20	LF/JS/SN/JC	LWG0105R003TSCRWBC00	0	LWG0105R003TSCRWB004	ok
8/6/2002	19·44	ORNZ83FT	7622501 731	706314 658	CT4	CR001WB	IS	Crayfish trap	LWG01	06R001	TS	CR	WB	001		27 00	111 00			25.5						11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSCRWBC00	0	LWG0106R001TSCRWB001	ok
8/6/2002	21 45	ORNZ83FT	7616714 964	715642 945	EF2	SB006WB	IS	electro	LWG01	04R023	TS	SB	WB	006		248 00	253 00			241 6						11/15_3	11/27	EF/JS	LWG0104R023TSSBWBC30	3	LWG0104R023TSSBWB006	ok
8/6/2002	21 45	ORNZ83FT	7616714 964	715642 945	EF2	SB007WB	IS	electro	LWG01	04R023	TS	SB	WB	007		268 00	255 00			263 4						11/15_1	11/27	EF/JS	LWG0104R023TSSBWBC10	1	LWG0104R023TSSBWB007	ok
8/6/2002	23 11	ORNZ83FT	7620536.661	711286 266	EF3	LS004WB	IS	electro	LWG01	05R006	TS	LS	WB	004		900 00	441 00	418 00		933						9/16 2	9/17	SN	LWG0105R006TSLSWBC00	0	LWG0105R006TSLSWB004	ok
8/6/2002	23 11	ORNZ83FT	7620536 661	711286.266	EF3	LS005WB	IS	electro	LWG01	05R006	TS	LS	WB	005		900 00	447 00	431 00		923 1						9/16 2	9/17	SN	LWG0105R006TSLSWBC00	0	LWG0105R006TSLSWB005	ok
8/6/2002	23 11	ORNZ83FT	7620536 661	711286 266	EF3	LS006WB	IS	electro	LWG01	05R006	TS	LS	WB	006		950 00	444 00	418 00		921 5											LWG0105R006TSLSWB006	ok
8/6/2002	23 11	ORNZ83FT	7620536 661	711286 266	EF3	LS007WB	IS	electro	LWG01	05R006	TS	LS	WB	007		1000 00	472 00	445 00		1023 8											LWG0105R006TSLSWB007	ok
8/6/2002	23 11	ORNZ83FT	7620536 661	711286 266	EF3	SB002WB	IS	electro	LWG01	05R006	TS	SB	WB	002		240 00	254 00			228 9	251 0	236 0				11/15_1	11/27	EF/JS	LWG0105R006TSSBWBC00	0	LWG0105R006TSSBWB002	ok
8/7/2002	0·41	ORNZ83FT	7620919 299	710564 840	EF4	NP001WB	IS	electro	LWG01	05R006	TS	NP	WB	001		350 00	357 00	325 00													LWG0105R006TSNPWB001	ok
8/7/2002	0 41	ORNZ83FT	7620919.299	710564 840	EF4	NP002WB	IS	electro	LWG01	05R006	TS	NP	WB	002		500 00	408 00	371 00													LWG0105R006TSNPWB002	ok
8/7/2002	0·41	ORNZ83FT	7620919.299	710564 840	EF4	SB003WB	IS	electro	LWG01	05R006	TS	SB	WB	003		500 00	337 00			535 4						11/15_1	11/27	EF/JS	LWG0105R006TSSBWBC00	0	LWG0105R006TSSBWB003	ok
8/7/2002	0·54	ORNZ83FT	7622377 283	708455 894	CT5	CR005WB	IS	Crayfish trap	LWG01	05R003	TS	CR	WB	005		53 00	128 00			52 5						11/19_1	11/20	LF/JS/SN/JC	LWG0105R003TSCRWBC00	0	LWG0105R003TSCRWB005	ok
8/7/2002	0 54	ORNZ83FT	7622377 283	708455 894	CT5	CR006WB	IS	Crayfish trap	LWG01	05R003	TS	CR	WB	006		34 00	107 00			33						11/19_1	11/20	LF/JS/SN/JC	LWG0105R003TSCRWBC00	0	LWG0105R003TSCRWB006	ok
8/7/2002	1·05	ORNZ83FT	7622516.317	706294 022	CT6	CR002WB	IS	Crayfish trap	LWG01	06R001	TS	CR	WB	002		39 50	106 00			35.5						11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSCRWBC00	0	LWG0106R001TSCRWB002	ok
8/7/2002	1 17	ORNZ83FT	7627279 532	705339 130	CT7	CR004WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	004		44 00	113 00			41 8						11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSCRWBC00	0	LWG0106R002TSCRWB004	ok
8/7/2002	19 15	ORNZ83FT	7627272 025	705322 597	CT1	CR005WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	005		41 00	108 00			39 1						11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSCRWBC00	0	LWG0106R002TSCRWB005	ok
8/7/2002	19 15	ORNZ83FT	7627272 025	705322 597	CT1	CR006WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	006		36 00	104 00			35						11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSCRWBC00	0	LWG0106R002TSCRWB006	ok
8/7/2002	19 15	ORNZ83FT	7627272 025	705322 597	CT1	CR007WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	007		32 00	100 00			32 7											LWG0106R002TSCRWB007	ok
8/7/2002	21 12	ORNZ83FT	7622551.267	706366 362	EF1	BB001F	IS	electro	LWG01	FZ0609	TS	BB	F	001		350 00	300 00			364 2	303 0	293 0	41 3	49 9		11/22_1	11/27/2002	EF/JS	LWG01FZ0609TSBBFLC10 and LWG01FZ0609TSBBFSC10	1	LWG01FZ0609TSBBF001	ok
8/7/2002	21 12	ORNZ83FT	7622551 267	706366.362	EF1	BB002F	IS	electro	LWG01	FZ0609	TS	BB	F	002		220 00	250 00			213.2	253 0	244 0	34 0	32 9		11/22_2	11/27/2002	EF/JS	LWG01FZ0609TSBBFLC20 and LWG01FZ0609TSBBFSC20	2	LWG01FZ0609TSBBF002	ok
8/7/2002	21 12	ORNZ83FT	7622551 267	706366.362	EF1	CP001F	IS	electro	LWG01	FZ0609	TS	CP	F	001		1800 00	512 00	460 00		1832	508 0	456 0	248 9	286 2		9/19_1F	9/30	SN	LWG01FZ0609TSCPFLC10 and LWG01FZ0609TSCPFSC10	1	LWG01FZ0609TSCPF001	ok
8/7/2002	21 12	ORNZ83FT	7622551.267	706366 362	EF1	CP002F	IS	electro	LWG01	FZ0609	TS	CP	F	002		2050 00	555 00	495 00		2076.2	537 0	488 0	185 6	293 9		9/19_2F	9/30	SN	LWG01FZ0609TSCPFLC20 and LWG01FZ0609TSCPFSC20	2	LWG01FZ0609TSCPF002	ok
8/7/2002	21 12	ORNZ83FT	7622551 267	706366.362	EF1	CP003F	IS	electro	LWG01	FZ0609	TS	CP	F	003		2200 00	540 00	486 00		2189 2	535 0	480 0	284 5	359 1		9/19_3F	9/30	SN	LWG01FZ0609TSCPFLC30 and LWG01FZ0609TSCPFSC30	3	LWG01FZ0609TSCPF003	ok
8/7/2002	21 12	ORNZ83FT	7622551.267	706366.362	EF1	LS001F	IS	electro	LWG01	FZ0609	TS	LS	F	001		1000 00	473 00	441 00		1042	569 0	539 0	105 1	165 7							LWG01FZ0609TSLSF001	ok
8/7/2002	21 12	ORNZ83FT	7622551 267	706366.362	EF1	LS002F	IS	electro	LWG01	FZ0609	TS	LS	F	002		1000 00	447 00	422 00		1034 6	453 0	426 0	101 8	167 8							LWG01FZ0609TSLSF002	ok
8/7/2002	21 54	ORNZ83FT	7627285.584	705319 876	EF2	LS003F	IS	electro	LWG01	FZ0609	TS	LS	F	003		800 00	447 00	421 00		828 6	436 0	414 0	132 2	151 9							LWG01FZ0609TSLSF003	ok
8/7/2002	21 54	ORNZ83FT	7627285.584	705319 876	EF2	LS004F	IS	electro	LWG01	FZ0609	TS	LS	F	004		600 00	390 00	362 00		580 7	385 0	356 0	64 7	95 9							LWG01FZ0609TSLSF004	ok
8/7/2002	22 32	ORNZ83FT	7622493 541	706370 019	EF3	SP001WB	IS	electro	LWG01	06R001	TS	SP	WB	001		26 50	130 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSSPWBC00	0	LWG0106R001TSSPWB001	ok
8/7/2002	22 32	ORNZ83FT	7622493.541	706370 019	EF3	LS005F	IS	electro	LWG01	FZ0609	TS	LS	F	005		740 00	411 00	398 00		727 8	411 0	380 0	104 9	143 8							LWG01FZ0609TSLSF005	ok
8/7/2002	23 54	ORNZ83FT	7624340 403	706800.394	EF4	LS006WB	IS	electro	LWG01	FZ0609	TS	LS	WB	006		570 00	395 00	370 00		557 8											LWG01FZ0609TSLSWB006	ok
8/7/2002	23 54	ORNZ83FT	7624340 403	706800.394	EF4	LS007WB	IS	electro	LWG01	FZ0609	TS	LS	WB	007		800 00	442 00	418 00		813 8						9/16 3	9/17	SN	LWG0107R009TSLSWBC00	0	LWG01FZ0609TSLSWB007	ok

Table C-1 Fish Tissue Data Master Table

Date	Time	Coord_type	X_Easting	Y_Northing	Key_Day	Map_Key	Sampler	Method	Site_Round	Station	Matrix	Species	Tissue	Sample	Excluded_Sample	FieldWt_g	FieldTLgth_mm	FieldFLgth_mm	FieldCmnts	LabWt_g	LabTLgth_mm	LabFLgth_mm	LabFSWt_g	LabFLWt_g	LabCmnts	Comp	SentToLab	Packer	Comp_sample_code	rep_code	sample_code	dup_check
8/7/2002	23.54	ORNZ83FT	7624340.403	706800.394	EF4	LS008WB	IS	electro	LWG01	FZ0609	TS	LS	WB	008		750.00	440.00	413.00		823.1											LWG01FZ0609TSLSWB008	ok
8/7/2002	23.54	ORNZ83FT	7624340.403	706800.394	EF4	LS009WB	IS	electro	LWG01	FZ0609	TS	LS	WB	009		800.00	437.00	710.00		842.3						9/16 3	9/17	SN	LWG0107R009TSLSWBC00	0	LWG01FZ0609TSLSWB009	ok
8/7/2002	23.54	ORNZ83FT	7624340.403	706800.394	EF4	LS010WB	IS	electro	LWG01	FZ0609	TS	LS	WB	010		750.00	425.00	403.00		751.4											LWG01FZ0609TSLSWB010	ok
8/7/2002	23.54	ORNZ83FT	7624340.403	706800.394	EF4	LS011WB	IS	electro	LWG01	FZ0609	TS	LS	WB	011		600.00	396.00	370.00		640.5											LWG01FZ0609TSLSWB011	ok
8/8/2002	0.38	ORNZ83FT	7619983.727	717093.159	CT4	CR003WB	IS	Crayfish trap	LWG01	03R005	TS	CR	WB	003		39.50	107.00			37.9						11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSCRWBC00	0	LWG0103R005TSCRWB003	ok
8/8/2002	0.38	ORNZ83FT	7619983.727	717093.159	CT4	CR004WB	IS	Crayfish trap	LWG01	03R005	TS	CR	WB	004		34.50	105.00			33.6						11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSCRWBC00	0	LWG0103R005TSCRWB004	ok
8/8/2002	0.38	ORNZ83FT	7619983.727	717093.159	CT4	CR005WB	IS	Crayfish trap	LWG01	03R005	TS	CR	WB	005		33.00	104.00			32.4						11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSCRWBC00	0	LWG0103R005TSCRWB005	ok
8/8/2002	1.03	ORNZ83FT	7627247.333	705289.565	CT6	CR008WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	008		37.50	108.00			36.6						11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSCRWBC00	0	LWG0106R002TSCRWB008	ok
8/8/2002	17.37	ORNZ83FT	7614987.794	720425.343	EF1	SB014F	IS	electro	LWG01	03R014	TS	SB	F	014		675.00	349.00	334.00		663.2	368.0	330.0	111.4	124.4		11/15_1	11/27	EF/JS	LWG0103R014TSSBFLC00 and LWG0103R014TSSBFSC00	0	LWG0103R014TSSBF014	ok
8/8/2002	20.48	ORNZ83FT	7627415.952	705613.424	EF3	SB001WB	IS	electro	LWG01	07R009	TS	SB	WB	001		288.00	264.00	254.00		276.3						11/15_2	11/27	EF/JS	LWG0107R009TSSBWBC20	2	LWG0107R009TSSBWB001	ok
8/8/2002	20.48	ORNZ83FT	7627415.952	705613.424	EF3	CP004F	IS	electro	LWG01	FZ0609	TS	CP	F	004		1780.00	521.00	468.00		1793.1	523.0	474.0	176.3	235.9		9/19_Archive					LWG01FZ0609TSCPF004	ok
8/8/2002	20.48	ORNZ83FT	7627415.952	705613.424	EF3	CP005F	IS	electro	LWG01	FZ0609	TS	CP	F	005		2180.00	541.00	485.00		2183.7	532.0	482.0	232.8	394.9		9/19_1F	9/30	SN	LWG01FZ0609TSCPFLC10 and LWG01FZ0609TSCPFSC10	1	LWG01FZ0609TSCPF005	ok
8/8/2002	20.48	ORNZ83FT	7627415.952	705613.424	EF3	LS012F	IS	electro	LWG01	FZ0609	TS	LS	F	012		875.00	458.00	429.00		901.4	449.0	422.0	98.4	151.4							LWG01FZ0609TSLSF012	ok
8/8/2002	20.48	ORNZ83FT	7627415.952	705613.424	EF3	LS013F	IS	electro	LWG01	FZ0609	TS	LS	F	013		825.00	455.00	426.00		834.8	446.0	419.0	99.8	152.7							LWG01FZ0609TSLSF013	ok
8/8/2002	20.48	ORNZ83FT	7627415.952	705613.424	EF3	LS014F	IS	electro	LWG01	FZ0609	TS	LS	F	014		760.00	436.00	410.00		785.9	430.0	404.0	72.7	147.1							LWG01FZ0609TSLSF014	ok
8/8/2002	20.48	ORNZ83FT	7627415.952	705613.424	EF3	LS015F	IS	electro	LWG01	FZ0609	TS	LS	F	015		800.00	426.00	400.00		813	418.0	393.0	118.6	159.4							LWG01FZ0609TSLSF015	ok
8/8/2002	20.48	ORNZ83FT	7627415.952	705613.424	EF3	LS016WB	IS	electro	LWG01	FZ0609	TS	LS	WB	016		660.00	409.00	384.00		641.3											LWG01FZ0609TSLSWB016	ok
8/8/2002	20.48	ORNZ83FT	7627415.952	705613.424	EF3	LS017WB	IS	electro	LWG01	FZ0609	TS	LS	WB	017		650.00	397.00	375.00		635.1											LWG01FZ0609TSLSWB017	ok
8/8/2002	20.48	ORNZ83FT	7627415.952	705613.424	EF3	LS018WB	IS	electro	LWG01	FZ0609	TS	LS	WB	018		690.00	396.00	375.00		671						9/16 3	9/17	SN	LWG0107R009TSLSWBC00	0	LWG01FZ0609TSLSWB018	ok
8/8/2002	20.48	ORNZ83FT	7627415.952	705613.424	EF3	LS019WB	IS	electro	LWG01	FZ0609	TS	LS	WB	019		660.00	425.00	397.00		649											LWG01FZ0609TSLSWB019	ok
8/8/2002	21.42	ORNZ83FT	7625250.273	704874.998	EF4	NP001WB	IS	electro	LWG01	07R009	TS	NP	WB	001		500.00	410.00	375.00													LWG0107R009TSNPWB001	ok
8/8/2002	21.42	ORNZ83FT	7625250.273	704874.998	EF4	SB002WB	IS	electro	LWG01	07R009	TS	SB	WB	002		445.00	315.00	297.00		432.5						11/15_2	11/27	EF/JS	LWG0107R009TSSBWBC20	2	LWG0107R009TSSBWB002	ok
8/8/2002	21.42	ORNZ83FT	7625250.273	704874.998	EF4	SB003WB	IS	electro	LWG01	07R009	TS	SB	WB	003		250.00	260.00	248.00		240.6						11/15_3	11/27	EF/JS	LWG0107R009TSSBWBC30	3	LWG0107R009TSSBWB003	ok
8/8/2002	21.42	ORNZ83FT	7625250.273	704874.998	EF4	LS020WB	IS	electro	LWG01	FZ0609	TS	LS	WB	020		720.00	455.00	429.00		728.1						9/16 3	9/17	SN	LWG0107R009TSLSWBC00	0	LWG01FZ0609TSLSWB020	ok
8/8/2002	21.42	ORNZ83FT	7625250.273	704874.998	EF4	LS021WB	IS	electro	LWG01	FZ0609	TS	LS	WB	021		700.00	404.00	383.00		689.5											LWG01FZ0609TSLSWB021	ok
8/8/2002	21.42	ORNZ83FT	7625250.273	704874.998	EF4	LS022WB	IS	electro	LWG01	FZ0609	TS	LS	WB	022		608.00	409.00	385.00		593.7											LWG01FZ0609TSLSWB022	ok
8/8/2002	21.42	ORNZ83FT	7625250.273	704874.998	EF4	LS023WB	IS	electro	LWG01	FZ0609	TS	LS	WB	023		730.00	426.00	400.00		749.2						9/16 3	9/17	SN	LWG0107R009TSLSWBC00	0	LWG01FZ0609TSLSWB023	ok
8/8/2002	22.16	ORNZ83FT	7619960.117	717109.517	CT3	CR006WB	IS	Crayfish trap	LWG01	03R005	TS	CR	WB	006		44.00	103.00			35.6						11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSCRWBC00	0	LWG0103R005TSCRWB006	ok
8/8/2002	22.16	ORNZ83FT	7619960.117	717109.517	CT3	YB004WB	IS	Crayfish trap	LWG01	FZ0306	TS	YB	WB	004		162.00	240.00			151.2											LWG01FZ0306TSYBWB004	ok
8/8/2002	22.42	ORNZ83FT	7622307.049	708451.362	CT5	CR008WB	IS	Crayfish trap	LWG01	05R003	TS	CR	WB	008		38.50	109.00			36.7						11/19_1	11/20	LF/JS/SN/JC	LWG0105R003TSCRWBC00	0	LWG0105R003TSCRWB008	ok
8/8/2002	22.42	ORNZ83FT	7622307.049	708451.362	CT5	CR009WB	IS	Crayfish trap	LWG01	05R003	TS	CR	WB	009		24.50	100.00			24.4											LWG0105R003TSCRWB009	ok
8/8/2002	22.42	ORNZ83FT	7622307.049	708451.362	CT5	CR010WB	IS	Crayfish trap	LWG01	05R003	TS	CR	WB	010		40.00	100.00			39.8						11/19_1	11/20	LF/JS/SN/JC	LWG0105R003TSCRWBC00	0	LWG0105R003TSCRWB010	ok
8/9/2002	11.45	ORNZ83FT	7627295.575	705745.224	EF1	SP001WB	IS	electro	LWG01	06R002	TS	SP	WB	001	Unusable	12.50	102.00														LWG0106R002TSSPWB001	ok
8/9/2002	11.45	ORNZ83FT	7627295.575	705745.224	EF1	CP006F	IS	electro	LWG01	FZ0609	TS	CP	F	006		2060.00	536.00	475.00		2043.5	510	455.0	177.8	305.8		9/19_3F	9/30	SN	LWG01FZ0609TSCPFLC30 and LWG01FZ0609TSCPFSC30	3	LWG01FZ0609TSCPF006	ok
8/9/2002	11.45	ORNZ83FT	7627295.575	705745.224	EF1	LS024F	IS	electro	LWG01	FZ0609	TS	LS	F	024		635.00	391.00	369.00		619.4	385	365.0	99.9	114.9							LWG01FZ0609TSLSF024	ok
8/9/2002	11.45	ORNZ83FT	7627295.575	705745.224	EF1	LS025F	IS	electro	LWG01	FZ0609	TS	LS	F	025		675.00	417.00	393.00		699.9	395	372.0	95.0	134.5							LWG01FZ0609TSLSF025	ok
8/9/2002	11.45	ORNZ83FT	7627295.575	705745.224	EF1	LS026WB	IS	electro	LWG01	FZ0609	TS	LS	WB	026		620.00	415.00	394.00		643.6											LWG01FZ0609TSLSWB026	ok
8/9/2002	12.34	ORNZ83FT	7626798.141	705827.248	EF2	SP002WB	IS	electro	LWG01	06R002	TS	SP	WB	002		10.00	91.00									5	10/8	JD/SN	LWG0106R002TSSPWBC00	0	LWG0106R002TSSPWB002	ok
8/9/2002	12.34	ORNZ83FT	7626798.141	705827.248	EF2	SP003WB	IS	electro	LWG01	06R002	TS	SP	WB	003		11.50	96.00									5	10/8	JD/SN	LWG0106R002TSSPWBC00	0	LWG0106R002TSSPWB003	ok
8/9/2002	12.34	ORNZ83FT	7626798.141	705827.248	EF2	SP004WB	IS	electro	LWG01	06R002	TS	SP	WB	004		14.00	105.00									5	10/8	JD/SN	LWG0106R002TSSPWBC00	0	LWG0106R002TSSPWB004	ok
8/9/2002	12.34	ORNZ83FT	7626798.141	705827.248	EF2	SP005WB	IS	electro	LWG01	06R002	TS	SP	WB	005		30.00	129.00									5	10/8	JD/SN	LWG0106R002TSSPWBC00	0	LWG0106R002TSSPWB005	ok
8/9/2002	12.34	ORNZ83FT	7626798.141	705827.248	EF2	SP006WB	IS	electro	LWG01	06R002	TS	SP	WB	006		30.50	130.00									5	10/8	JD/SN	LWG0106R002TSSPWBC00	0	LWG0106R002TSSPWB006	ok
8/9/2002	13.43	ORNZ83FT	7618532.720	715629.724	CT3	CR001WB	IS	Crayfish trap	LWG01	03R004	TS	CR	WB	001		33.50	103.00			33.1											LWG0103R004TSCRWB001	ok
8/9/2002	13.59	ORNZ83FT	7622642.741	706240.959	CT4	CR006WB	IS	Crayfish trap	LWG01	06R001	TS	CR	WB	006		36.50	108.00			35.7						11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSCRWBC00	0	LWG0106R001TSCRWB006	ok
8/9/2002	14.43	ORNZ83FT	7628847.786	704020.505	EF3	SB004WB	IS	electro	LWG01	07R009	TS	SB	WB	004		258.00	254.00	242.00		249						11/15_2	11/27	EF/JS	LWG0107R009TSSBWBC20	2	LWG0107R009TSSBWB004	ok
8/9/2002	14.43	ORNZ83FT	7628847.786	704020.505	EF3	SB005WB	IS	electro	LWG01	07R009	TS	SB	WB	005		225.00	247.00	234.00		216.7	245	235.0				11/15_3	11/27	EF/JS	LWG0107R009TSSBWBC30	3	LWG0107R009TSSBWB005	ok
8/9/2002	14.43	ORNZ83FT	7628847.786	704020.505	EF3	CP007F	IS	electro	LWG01	FZ0609	TS	CP	F	007		2010.00	516.00	470.00		2000.7	510	470.0	158.2	307.6		9/19_2F	9/30	SN	LWG01FZ0609TSCPFLC20 and LWG01FZ0609TSCPFSC20	2	LWG01FZ0609TSCPF007	ok
8/9/2002	14.43	ORNZ83FT	7628847.786	704020.505	EF3	CP008F	IS	electro	LWG01	FZ0609	TS	CP	F	008		1990.00	512.00	463.00		1991.3	505	460.0	188.1	289.0		9/19_Archive					LWG01FZ0609TSCPF008	ok
8/9/2002	14.43	ORNZ83FT	7628847.786	704020.505	EF3	LS027F	IS	electro	LWG01	FZ0609	TS	LS	F	027		940.00	451.00	430.00		929.4	455	425.0	96.4	160.0							LWG01FZ0609TSLSF027	ok
8/9/2002	14.43	ORNZ83FT	7628847.786	704020.505	EF3	LS028F	IS	electro	LWG01	FZ0609	TS	LS	F	028		950.00	454.00	428.00		937.5	450	425.0	116.4	154.2							LWG01FZ0609TSLSF028	ok
8/9/2002	15.25	ORNZ83FT	7628449.819	704118.398	EF4	SP001WB	IS	electro	LWG01	07R002	TS	SP	WB	001	Unusable	17.50	119.00														LWG0107R002TSSPWB001	ok
8/9/2002	15.25	ORNZ83FT	7628449.819	704118.398	EF4	SP002WB	IS	electro	LWG01	07R002	TS	SP	WB	002	Unusable	10.80	97.00														LWG0107R002TSSPWB002	ok
8/9/2002	15.25	ORNZ83FT	7628449.819	704118.398	EF4	SP003WB	IS	electro	LWG01	07R002	TS	SP	WB	003	Unusable	21.50	120.00														LWG0107R002TSSPWB003	ok
8/9/2002	15.25	ORNZ83FT	7628449.819	704118.398	EF4	LS001WB	IS	electro	LWG01	07R009	TS	LS	WB	001		1020.00	446.00	474.00		1016.5											LWG0107R009TSLSWB001	ok
8/9/2002	15.25	ORNZ83FT	7628449.819	704118.398	EF4	LS002WB	IS	electro	LWG01	07R009	TS	LS	WB	002		840.00	457.00	430.00		844.2						9/16 3	9/17	SN	LWG0107R009TSLSWBC00	0	LWG0107R009TSLSWB002	ok
8/9/2002	15.25	ORNZ83FT	7628449.819	704118.398	EF4	LS003WB	IS	electro	LWG01	07R009	TS	LS	WB	003		770.00	422.00	398.00		787											LWG0107R009TSLSWB003	ok
8/9/2002	15.25	ORNZ83FT	7628449.819	704118.398	EF4	LS004WB	IS	electro	LWG01	07R009	TS	LS	WB	004		775.00	434.00	408.00		784.4											LWG0107R009TSLSWB004	ok
8/9/2002	15.25	ORNZ83FT	7628449.819	704118.398	EF4	CP009F	IS	electro	LWG01	FZ0609	TS	CP	F	009		2030.00	528.00	470.00		-	-	-	-	-	floor - sample discarded						LWG01FZ0609TSCPF009	ok
8/9/2002	15.25	ORNZ83FT	7628449.819	704118.398	EF4	LS029F	IS	electro	LWG01	FZ0609	TS	LS	F	029		1170.00	496.00	475.00		1182	489	468.0	160.0	200.3							LWG01FZ0609TSLSF029	ok
8/9/2002	15.25	ORNZ83FT	7628449.819	704118.398	EF4	LS030F	IS	electro	LWG01	FZ0609	TS	LS	F	030		1100.00	480.00	458.00		1102.1	482	455.0	144.3	171.3							LWG01FZ0609TSLSF030	ok
8/9/2002	15.25	ORNZ83FT	7628449.819	704118.398	EF4	LS031F	IS	electro	LWG01	FZ0609	TS	LS	F	031		1140.00	457.00	483.00		1144.8	580	555.0	176.3	226.4							LWG01FZ0609TSLSF031	ok
8/9/2002	15.25	ORNZ83FT	7628449.819	704118.398	EF4	LS032F	IS	electro	LWG01	FZ0609	TS	LS	F	032		1190.00	502.00	474.00		1161.1	495	472.0	124.2	248.8							LWG01FZ0609TSLSF032	ok
8/9/2002	16.20	ORNZ83FT	7627809.877	702544.300	EF4	CP010F	IS	electro	LWG01	FZ0609	TS	CP	F	010		2360.00	560.00	506.00		2349.2	545	490.0	249.5	353.7		9/19_1F	9/30	SN	LWG01FZ0609TSCPFLC10 and LWG01FZ0609TSCPFSC10	1	LWG01FZ0609TSCPF010	ok
8/9/2002	16.20	ORNZ83FT	7627809.877	702544.300	EF4	CP011F	IS	electro	LWG01	FZ0609	TS	CP	F	011		1785.00	509.00	457.00		1790.3	507	451.0	203.8	311.8		9/19_2F	9/30	SN	LWG01FZ0609TSCPFLC20 and LWG01FZ0609TSCPFSC20	2	LWG01FZ0609TSCPF011	ok
8/9/2002	16.20	ORNZ83FT	7627809.877	702544.300	EF4	CP012F	IS	electro	LWG01	FZ0609	TS	CP	F	012		1975.00	516.00	465.00		1964.6	513	470.0	151.3	288.3		9/19_3F	9/30	SN	LWG01FZ0609TSCPFLC30 and LWG01FZ0609TSCPFSC30	3	LWG01FZ0609TSCPF012	ok
8/12/2002	9.23	ORNZ83FT	7627379.528	702830.1867	EF2	LS005WB	IS	electro	LWG01	07R009	TS	LS	WB	005		1350.00	509.00	485.00		1266.00											LWG0107R009TSLSWB005	ok
8/12/2002	9.23	ORNZ83FT	7627379.528	702830.1867	EF2	LS006WB	IS	electro	LWG01	07R009	TS	LS	WB	006		750.00	433.00	407.00		794.70						9/16 4	9/17	SN	LWG0108R010TSLSWBC00	0	LWG0107R009TSLSWB006	ok
8/12/2002	9.23	ORNZ83FT	7627379.528	702830.1867	EF2	LS007WB	IS	electro	LWG01	07R009	TS	LS	WB	007		1050.00	456.00	431.00		1026.30											LWG0107R009TSLSWB007	ok
8/12/2002	10.03	ORNZ83FT	7628845.404	703862.181	EF3	SP004WB	IS	electro	LWG01	07R002	TS	SP	WB	004	Unusable	16.00	108.00														LWG0107R002TSSPWB004	ok
8/12/2002	10.03	ORNZ83FT	7628845.404	703862.181	EF3	SP005WB	IS	electro	LWG01	07R002	TS	SP	WB	005	Unusable	23.00	127.00														LWG0107R002TSSPWB005	ok
8/12/2002	10.03	ORNZ83FT	7628845.404	703862.181	EF3	CP013F	IS	electro	LWG01	FZ0609	TS	CP	F	013		1950.00	532.00	487.00		1957.20	525.00	480.00	235.00	347.10		9/19_Archive					LWG01FZ0609TSCPF013	ok
8/12/2002	10.03	ORNZ83FT	7628845.404	703862.181	EF3	LS033WB	IS	electro	LWG01	FZ0609	TS	LS	WB	033		1070.00	483.00	462.00		1101.20											LWG01FZ0609TSLSWB033	ok
8/12/2002	10.03	ORNZ83FT	7628845.404	703862.181	EF3	LS034WB	IS	electro	LWG01	FZ0609	TS	LS	WB	034		1150.00	504.00	479.00		1165.50											LWG01FZ0609TSLSWB034	ok
8/12/2002	11.15	ORNZ83FT	7633848.092	701440.5507	EF4	SB001WB	IS	electro	LWG01	08R010	TS	SB	WB	001		630.00	352.00	334.00		619.70						11/15_1	11/27	EF/JS	LWG0108R010TSSBWBC10	1	LWG0108R010TSSBWB001	ok
8/12/2002	11.15	ORNZ83FT	7633848.092	701440.5507	EF4	SB002WB	IS	electro	LWG01	08R010	TS	SB	WB	002		245.00	255.00	242.00		233.90						11/15_3	11/27	EF/JS	LWG0108R010TSSBWBC30	3	LWG0108R010TSSBWB002	ok
8/12/2002	11.15	ORNZ83FT	7633848.092	701440.5507	EF4	SB003WB	IS	electro	LWG01	08R010	TS	SB	WB	003		260.00	262.00	249.00		254.70						11/15_2	11/27	EF/JS	LWG0108R010TSSBWBC20	2	LWG0108R010TSSBWB003	ok
8/12/2002	11.15	ORNZ83FT	7633848.092	701440.5507	EF4	CP014F	IS	electro	LWG01	FZ0609	TS	CP	F	014		3100.00	596.00	542.00		3118.50	589.00	542.00	199.60	425.90	or wt & conv	9/19_1F	9/30	SN	LWG01FZ0609TSCPFLC10 and LWG01FZ0609TSCPFSC10	1	LWG01FZ0609TSCPF014	ok
8/12/2002	11.15	ORNZ83FT	7633848.092	701440.5507	EF4	CP015F	IS	electro	LWG01	FZ0609	TS	CP	F	015		2100.00	534.00	485.00		2073.00	531.00	473.00	203.80	261.10		9/19_2F	9/30	SN	LWG01FZ0609TSCPFLC20 and LWG01FZ0609TSCPFSC20	2	LWG01FZ0609TSCPF015	ok
8/12/2002	11.15	ORNZ83FT	7633848.092	701440.5507	EF4	CP016WB	IS	electro	LWG01	FZ0609	TS	CP	WB	016		2050.00	521.00	474.00		2051.00						9/19_3	9/30	SN	LWG01FZ0609TSCPWBC30	3	LWG01FZ0609TSCPWB016	ok
8/12/2002	11.15	ORNZ83FT	7633848.092	701440.5507	EF4	CP017WB	IS	electro	LWG01	FZ0609	TS	CP	WB	017		2450.00	550.00	490.00		2258.00						9/19_Archive					LWG01FZ0609TSCPWB017	ok
8/12/2002	11.15	ORNZ83FT	7633848.092	701440.5507	EF4	CP018WB	IS	electro	LWG01	FZ0609	TS	CP	WB	018		1950.00	515.00	465.00		1949.30						9/19_Archive					LWG01FZ0609TSCPWB018	ok
8/12/2002	11.15	ORNZ83FT	7633848.092	701440.5507	EF4	CP019WB	IS	electro	LWG01	FZ0609	TS	CP	WB	019		2500.00	572.00	558.00		2476.90						9/19_2	9/30	SN	LWG01FZ0609TSCPWBC20	2	LWG01FZ0609TSCPWB019	ok
8/12/2002	11.15	ORNZ83FT	7633848.092	701440.5507	EF4	CP020WB	IS	electro	LWG01	FZ0609	TS	CP	WB	020		2250.00	535.00	488.00		2121.60						9/19_Archive				1	LWG01FZ0609TSCPWB020	ok
8/12/2002	11.15	ORNZ83FT	7633848.092	701440.5507	EF4	CP021WB	IS	electro	LWG01	FZ0609	TS	CP	WB	021		3400.00	617.00	559.00		3373.60					needed to use seed scale for wt & conv	9/18_Archive					LWG01FZ0609TSCPWB021	ok
8/12/2002	11.15	ORNZ83FT	7633848.092	701440.5507	EF4	CP022WB	IS	electro	LWG01	FZ0609	TS	CP	WB	022		1950.00	528.00	488.00		1922.40						9/18_Archive					LWG01FZ0609TSCPWB022	ok
8/12/2002	12.12	ORNZ83FT	7628536.827	701677.1192	EF5	SP001WB	IS	electro	LWG01	07R003	TS	SP	WB	001		10.50	91.00														LWG0107R003TSSPWB001	ok
8/12/2002	12.12	ORNZ83FT	7628536.827	701677.1192	EF5	SB006WB	IS	electro	LWG01	07R009	TS	SB	WB	006		215.00	248.00	235.00		207.90						11/15_1	11/27	EF/JS	LWG0107R009TSSBWBC10	1	LWG0107R009TSSBWB006	ok
8/12/2002	12.12	ORNZ83FT	7628536.827	701677.1192	EF5	CP023WB	IS	electro	LWG01	FZ0609	TS	CP	WB	023		2100.00	526.00	478.00		2068.00						9/19_3	9/30	SN	LWG01FZ0609TSCPWBC30	3	LWG01FZ0609TSCPWB023	ok
8/12/2002	12.36	ORNZ83FT	7628582.465	700643.3169	EF6	SP002WB	IS	electro	LWG01	07R003	TS	SP	WB	002	Unusable	19.50	115.00														LWG0107R003TSSPWB002	ok
8/12/2002	12.36	ORNZ83FT	7628582.465	700643.3169	EF6	SB005WB	IS	electro	LWG01	08R032	TS	SB	WB	005		600.00	347.00	332.00		585.30						11/15_1	11/27	EF/JS	LWG0108R032TSSBWBC00	0	LWG0108R032TSSBWB005	ok
8/12/2002	13.30	ORNZ83FT	7631496.096	701694.4871	EF7	LS001WB	IS	electro	LWG01	08R010	TS	LS	WB	001		850.00	445.00	416.00		857.30						9/16 4	9/17	SN	LWG0108R010TSLSWBC00	0	LWG0108R010TSLSWB001	ok
8/12/2002	13.30	ORNZ83FT	7631496.096	701694.4871	EF7	NP001WB	IS	electro	LWG01	08R010	TS	NP	WB	001		490.00	385.00	350.00													LWG0108R010TSNPWB001	ok
8/12/2002	13.30	ORNZ83FT	7631496.096	701694.4871	EF7	SB001WB	IS	electro	LWG01	08R032	TS	SB	WB	001		320.00	275.00	264.00		311.60						11/15_1	11/27	EF/JS	LWG0108R032TSSBWBC00	0	LWG0108R032TSSBWB001	ok
8/12/2002	13.30	ORNZ83FT	7631496.096	701694.4871	EF7	SB002WB	IS	electro	LWG01	08R032	TS	SB	WB	002		285.00	262.00	249.00		275.90						11/15_1	11/27	EF/JS	LWG0108R032TSSBWBC00	0	LWG0108R032TSSBWB002	ok
8/13/2002	7.27	ORNZ83FT	7628865.631	703842.085	CT1	CR001WB	IS	Crayfish trap	LWG01	07R004	TS	CR	WB	001		37.00	115.00			36.90						11/19_1	11/20	LF/JS/SN/JC	LWG0107R004TSCRWBC00	0	LWG0107R004TSCRWB001	ok
8/13/2002	7.27	ORNZ83FT	7628865.631	703842.085	CT1	CR002WB	IS	Crayfish trap	LWG01	07R004	TS	CR	WB	002		49.50	112.00			49.20						11/19_1	11/20	LF/JS/SN/JC	LWG0107R004TSCRWBC00	0	LWG0107R004TSCRWB002	ok
8/13/2002	7.27	ORNZ83FT	7628865.631	703842.085	CT1	CR003WB	IS	Crayfish trap	LWG01	07R004	TS	CR	WB	003		32.00	100.00			31.70						11/19_1	11/20	LF/JS/SN/JC	LWG0107R004TSCRWBC00	0	LWG0107R004TSCRWB003	ok
8/13/2002	7.27	ORNZ83FT	7628865.631	703842.085	CT1	CR004WB	IS	Crayfish trap	LWG01	07R004	TS	CR	WB	004		29.50	102.00			29.70						11/19_1	11/20	LF/JS/SN/JC	LWG0107R004TSCRWBC00	0	LWG0107R004TSCRWB004	ok
8/13/2002	9.27	ORNZ83FT	7631210.11	701800.0406	EF1	SP001WB	IS	electro	LWG01	08R003	TS	SP	WB	001	Unusable	11.00	95.00														LWG0108R003TSSPWB001	ok
8/13/2002	9.27	ORNZ83FT	7631210.11	701800.0406	EF1	SP002WB	IS	electro	LWG01	08R003	TS	SP	WB	002	Unusable	8.50	90.00														LWG0108R003TSSPWB002	ok
8/13/2002	9.27	ORNZ83FT	7631210.11	701800.0406	EF1	SP003WB	IS	electro	LWG01	08R003	TS	SP	WB	003	Unusable	10.00	92.00														LWG0108R003TSSPWB003	ok
8/13/2002	9.27	ORNZ83FT	7631210.11	701800.0406	EF1	SP004WB	IS	electro	LWG01	08R003	TS	SP	WB	004	Unusable	21.00	116.00														LWG0108R003TSSPWB004	ok
8/13/2002	9.27	ORNZ83FT	7631210.11	701800.0406	EF1	SP005WB	IS	electro	LWG01	08R003	TS	SP	WB	005	Unusable	14.00	105.00														LWG0108R003TSSPWB005	ok
8/13/2002	9.27	ORNZ83FT	7631210.11	701800.0406	EF1	SP006WB	IS	electro	LWG01	08R003	TS	SP	WB	006	Unusable	10.00	100.00														LWG0108R003TSSPWB006	ok

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Table C-1 Fish Tissue Data Master Table

Date	Time	Coord type	X Easting	Y Northing	Key Day	Map Key	Sampler	Method	Site Round	Station	Matrix	Species	Tissue	Sample	Excluded Sample	FieldWt g	FieldTLgth mm	FieldFLgth mm	FieldCmnts	LabWt g	LabTLgth mm	LabFLgth mm	LabFSWt g	LabFLWt g	LabCmnts	Comp	SentToLab	Packer	Comp sample code	rep code	sample code	dup check
8/13/2002	9:27	ORNZ83FT	7631210 11	701800 0406	EF1	SP007WB	IS	electro	LWG01	08R003	TS	SP	WB	007	Unusable	13 00	100 00															LWG0108R003TSSPWB007	ok
8/13/2002	9 27	ORNZ83FT	7631210 11	701800 0406	EF1	SP008WB	IS	electro	LWG01	08R003	TS	SP	WB	008	Unusable	10 00	96 00															LWG0108R003TSSPWB008	ok
8/13/2002	9 27	ORNZ83FT	7631210 11	701800 0406	EF1	SP009WB	IS	electro	LWG01	08R003	TS	SP	WB	009	Unusable	15 00	107 00															LWG0108R003TSSPWB009	ok
8/13/2002	9 27	ORNZ83FT	7631210 11	701800 0406	EF1	SP010WB	IS	electro	LWG01	08R003	TS	SP	WB	010	Unusable	14 00	106 00															LWG0108R003TSSPWB010	ok
8/13/2002	9:27	ORNZ83FT	7631210 11	701800 0406	EF1	LS002WB	IS	electro	LWG01	08R010	TS	LS	WB	002		750 00	419 00	394								9/16 4	9/17	SN	LWG0108R010TSLSWBC00	0	LWG0108R010TSLSWB002	ok
8/13/2002	9:27	ORNZ83FT	7631210 11	701800 0406	EF1	LS003WB	IS	electro	LWG01	08R010	TS	LS	WB	003		800 00	434 00	409								9/16 4	9/17	SN	LWG0108R010TSLSWBC00	0	LWG0108R010TSLSWB003	ok
8/13/2002	9 27	ORNZ83FT	7631210 11	701800 0406	EF1	LS004WB	IS	electro	LWG01	08R010	TS	LS	WB	004		1000 00	463 00	434														LWG0108R010TSLSWB004	ok
8/13/2002	9.27	ORNZ83FT	7631210 11	701800 0406	EF1	SB003WB	IS	electro	LWG01	08R032	TS	SB	WB	003		610 00	342 00	329		600 6						11/15_1	11/27	EF/JS	LWG0108R032TSSBWBC00	0	LWG0108R032TSSBWB003	ok
8/13/2002	9.27	ORNZ83FT	7631210 11	701800 0406	EF1	SB004WB	IS	electro	LWG01	08R032	TS	SB	WB	004		310 00	255 00	245		302 7						11/15_1	11/27	EF/JS	LWG0108R032TSSBWBC00	0	LWG0108R032TSSBWB004	ok
8/13/2002	9:27	ORNZ83FT	7631210 11	701800 0406	EF1	CP024WB	IS	electro	LWG01	FZ0609	TS	CP	WB	024		2450 00	565 00	508		2363 1						9/19_1	9/30	SN	LWG01FZ0609TSCPWBC10	1	LWG01FZ0609TSCPWB024	ok
8/13/2002	9:27	ORNZ83FT	7631210 11	701800 0406	EF1	CP025WB	IS	electro	LWG01	FZ0609	TS	CP	WB	025		1950 00	533 00	482		1914 6						9/19_2	9/30	SN	LWG01FZ0609TSCPWBC20	2	LWG01FZ0609TSCPWB025	ok
8/13/2002	9-51	ORNZ83FT	7631582 688	701653.5808	EF2	SP011WB	IS	electro	LWG01	08R003	TS	SP	WB	011	Unusable	15 00	105 00															LWG0108R003TSSPWB011	ok
8/13/2002	9-51	ORNZ83FT	7631582 688	701653 5808	EF2	SP012WB	IS	electro	LWG01	08R003	TS	SP	WB	012	Unusable	16 00	110 00															LWG0108R003TSSPWB012	ok
8/13/2002	11 18	ORNZ83FT	7634533 426	701017.3552	EF3	SP013WB	IS	electro	LWG01	08R003	TS	SP	WB	013	Unusable	9.50	95 00															LWG0108R003TSSPWB013	ok
8/13/2002	11 18	ORNZ83FT	7634533 426	701017.3552	EF3	SP014WB	IS	electro	LWG01	08R003	TS	SP	WB	014	Unusable	22.50	116 00															LWG0108R003TSSPWB014	ok
8/13/2002	11 18	ORNZ83FT	7634533 426	701017.3552	EF3	SP015WB	IS	electro	LWG01	08R003	TS	SP	WB	015	Unusable	12 00	97 00															LWG0108R003TSSPWB015	ok
8/13/2002	11 18	ORNZ83FT	7634533 426	701017.3552	EF3	SP016WB	IS	electro	LWG01	08R003	TS	SP	WB	016	Unusable	11 00	100 00															LWG0108R003TSSPWB016	ok
8/13/2002	11 18	ORNZ83FT	7634533 426	701017.3552	EF3	SP017WB	IS	electro	LWG01	08R003	TS	SP	WB	017	Unusable	18 50	113 00															LWG0108R003TSSPWB017	ok
8/13/2002	11 18	ORNZ83FT	7634533 426	701017.3552	EF3	SP018WB	IS	electro	LWG01	08R003	TS	SP	WB	018	Unusable	15 50	110 00															LWG0108R003TSSPWB018	ok
8/13/2002	11 18	ORNZ83FT	7634533 426	701017.3552	EF3	LS005WB	IS	electro	LWG01	08R010	TS	LS	WB	005		775 00	423 00	396								9/16 4	9/17	SN	LWG0108R010TSLSWBC00	0	LWG0108R010TSLSWB005	ok
8/13/2002	11 18	ORNZ83FT	7634533 426	701017 3552	EF3	LS006WB	IS	electro	LWG01	08R010	TS	LS	WB	006		750 00	407 00	381								9/16 4	9/17	SN	LWG0108R010TSLSWBC00	0	LWG0108R010TSLSWB006	ok
8/13/2002	11 18	ORNZ83FT	7634533 426	701017.3552	EF3	LS007WB	IS	electro	LWG01	08R010	TS	LS	WB	007		1000 00	446 00	422														LWG0108R010TSLSWB007	ok
8/13/2002	11 18	ORNZ83FT	7634533 426	701017.3552	EF3	CP026WB	IS	electro	LWG01	FZ0609	TS	CP	WB	026		1850 00	514 00	466		1840 5						9/19_Archive						LWG01FZ0609TSCPWB026	ok
8/13/2002	11 18	ORNZ83FT	7634533 426	701017.3552	EF3	CP027WB	IS	electro	LWG01	FZ0609	TS	CP	WB	027		2450 00	574 00	516		2416.3						9/19_3	9/30	SN	LWG01FZ0609TSCPWBC30	3	LWG01FZ0609TSCPWB027	ok
8/13/2002	11 18	ORNZ83FT	7634533 426	701017.3552	EF3	CP028WB	IS	electro	LWG01	FZ0609	TS	CP	WB	028		2200 00	513 00	460		2080 8						9/19_Archive						LWG01FZ0609TSCPWB028	ok
8/13/2002	11 18	ORNZ83FT	7634533 426	701017 3552	EF3	CP029WB	IS	electro	LWG01	FZ0609	TS	CP	WB	029		2300 00	558 00	503		2277 8						9/19_1	9/30	SN	LWG01FZ0609TSCPWBC10	1	LWG01FZ0609TSCPWB029	ok
8/13/2002	11 18	ORNZ83FT	7634533 426	701017.3552	EF3	CP030WB	IS	electro	LWG01	FZ0609	TS	CP	WB	030		1850 00	507 00	459		1822 4						9/19_Archive						LWG01FZ0609TSCPWB030	ok
8/13/2002	12 15	ORNZ83FT	7636507 658	698642 0675	EF4	SB005WB	IS	electro	LWG01	08R010	TS	SB	WB	005		260 00	258 00	247		252 6						11/15_1	11/27	EF/JS	LWG0108R010TSSBWBC10	1	LWG0108R010TSSBWB005	ok
8/13/2002	12 15	ORNZ83FT	7636507 658	698642 0675	EF4	SP001WB	IS	electro	LWG01	09R001	TS	SP	WB	001		8 50	91 00															LWG0109R001TSSPWB001	ok
8/13/2002	12 15	ORNZ83FT	7636507 658	698642 0675	EF4	SP002WB	IS	electro	LWG01	09R001	TS	SP	WB	002		28 50	137 00									11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSSPWBC00	0	LWG0109R001TSSPWB002	ok
8/13/2002	12 15	ORNZ83FT	7636507 658	698642 0675	EF4	SP003WB	IS	electro	LWG01	09R001	TS	SP	WB	003		18 00	119 00									11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSSPWBC00	0	LWG0109R001TSSPWB003	ok
8/13/2002	12 15	ORNZ83FT	7636507 658	698642 0675	EF4	CP031WB	IS	electro	LWG01	FZ0609	TS	CP	WB	031		2350 00	555 00	505		2328 5						9/19_2	9/30	SN	LWG01FZ0609TSCPWBC20	2	LWG01FZ0609TSCPWB031	ok
8/13/2002	12 15	ORNZ83FT	7636507 658	698642 0675	EF4	CP032WB	IS	electro	LWG01	FZ0609	TS	CP	WB	032		1850 00	515 00	463		1813 6						9/19_1	9/30	SN	LWG01FZ0609TSCPWBC10	1	LWG01FZ0609TSCPWB032	ok
8/13/2002	12 15	ORNZ83FT	7636507 658	698642 0675	EF4	CP033WB	IS	electro	LWG01	FZ0609	TS	CP	WB	033		1850 00	523 00	470		1844 4						9/19_3	9/30	SN	LWG01FZ0609TSCPWBC30	3	LWG01FZ0609TSCPWB033	ok
8/13/2002	12 42	ORNZ83FT	7634372 103	701151 9974	EF5	SP019WB	IS	electro	LWG01	08R003	TS	SP	WB	019	Unusable	21.50	120 00															LWG0108R003TSSPWB019	ok
8/13/2002	12 42	ORNZ83FT	7634372 103	701151 9974	EF5	SP020WB	IS	electro	LWG01	08R003	TS	SP	WB	020	Unusable	15 00	110 00															LWG0108R003TSSPWB020	ok
8/13/2002	12 42	ORNZ83FT	7634372 103	701151 9974	EF5	SP021WB	IS	electro	LWG01	08R003	TS	SP	WB	021	Unusable	18 00	110 00															LWG0108R003TSSPWB021	ok
8/13/2002	12 42	ORNZ83FT	7634372 103	701151 9974	EF5	SP022WB	IS	electro	LWG01	08R003	TS	SP	WB	022	Unusable	19 00	104 00															LWG0108R003TSSPWB022	ok
8/13/2002	12 42	ORNZ83FT	7634372 103	701151 9974	EF5	SP023WB	IS	electro	LWG01	08R003	TS	SP	WB	023	Unusable	10 00	93 00															LWG0108R003TSSPWB023	ok
8/13/2002	12 42	ORNZ83FT	7634372 103	701151 9974	EF5	SP024WB	IS	electro	LWG01	08R003	TS	SP	WB	024	Unusable	7 00	90 00															LWG0108R003TSSPWB024	ok
8/13/2002	13 13	ORNZ83FT	7636930 448	698764.2078	EF6	SP004WB	IS	electro	LWG01	09R001	TS	SP	WB	004	Unusable	13.50	108 00															LWG0109R001TSSPWB004	ok
8/13/2002	13 13	ORNZ83FT	7636930 448	698764.2078	EF6	SP005WB	IS	electro	LWG01	09R001	TS	SP	WB	005	Unusable	11 50	100 00															LWG0109R001TSSPWB005	ok
8/13/2002	13 13	ORNZ83FT	7636930 448	698764 2078	EF6	SP006WB	IS	electro	LWG01	09R001	TS	SP	WB	006	Unusable	18 00	113 00															LWG0109R001TSSPWB006	ok
8/13/2002	13 13	ORNZ83FT	7636930 448	698764 2078	EF6	BB003F	IS	electro	LWG01	FZ0609	TS	BB	F	003		295 00	275 00			278.3	270	264	39.5	DROPPED	let dropped &	DROPPED						LWG01FZ0609TSBBF003	ok
8/14/2002	7 46	ORNZ83FT	7630503 611	699274 6165	CT3	CR001WB	IS	Crayfish trap	LWG01	08R002	TS	CR	WB	001		27 00	105 00			35						11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSCRWBC00	0	LWG0108R002TSCRWB001	ok
8/14/2002	7 55	ORNZ83FT	7631842.463	697479 0579	CT4	CR001WB	IS	Crayfish trap	LWG01	08R001	TS	CR	WB	001		35.50	104 00			26 6												LWG0108R001TSCRWB001	ok
8/14/2002	10-12	ORNZ83FT	7630424.532	699406.7398	EF2	SP001WB	IS	electro	LWG01	08R002	TS	SP	WB	001	Unusable	29 50	130 00															LWG0108R002TSSPWB001	ok
8/14/2002	10-12	ORNZ83FT	7630424 532	699406 7398	EF2	SP002WB	IS	electro	LWG01	08R002	TS	SP	WB	002	Unusable	11 00	101 00															LWG0108R002TSSPWB002	ok
8/14/2002	10-12	ORNZ83FT	7630424 532	699406.7398	EF2	SP003WB	IS	electro	LWG01	08R002	TS	SP	WB	003	Unusable	16 50	115 00															LWG0108R002TSSPWB003	ok
8/14/2002	10-12	ORNZ83FT	7630424 532	699406 7398	EF2	SP004WB	IS	electro	LWG01	08R002	TS	SP	WB	004	Unusable	16 50	110 00															LWG0108R002TSSPWB004	ok
8/14/2002	10-12	ORNZ83FT	7630424.532	699406 7398	EF2	SP005WB	IS	electro	LWG01	08R002	TS	SP	WB	005	Unusable	11 50	98 00															LWG0108R002TSSPWB005	ok
8/14/2002	10 12	ORNZ83FT	7630424 532	699406 7398	EF2	SP006WB	IS	electro	LWG01	08R002	TS	SP	WB	006	Unusable	11.30	97 00															LWG0108R002TSSPWB006	ok
8/14/2002	10-12	ORNZ83FT	7630424.532	699406 7398	EF2	SP007WB	IS	electro	LWG01	08R002	TS	SP	WB	007	Unusable	14 50	107 00															LWG0108R002TSSPWB007	ok
8/14/2002	10-12	ORNZ83FT	7630424 532	699406 7398	EF2	SP008WB	IS	electro	LWG01	08R002	TS	SP	WB	008	Unusable	12.50	108 00															LWG0108R002TSSPWB008	ok
8/14/2002	10-12	ORNZ83FT	7630424.532	699406 7398	EF2	SP009WB	IS	electro	LWG01	08R002	TS	SP	WB	009	Unusable	18 50	114 00															LWG0108R002TSSPWB009	ok
8/14/2002	10 12	ORNZ83FT	7630424 532	699406 7398	EF2	SP010WB	IS	electro	LWG01	08R002	TS	SP	WB	010	Unusable	130 00	200 00															LWG0108R002TSSPWB010	ok
8/14/2002	11-06	ORNZ83FT	7629881 186	700052 0408	EF4	SP011WB	IS	electro	LWG01	08R002	TS	SP	WB	011	Unusable	18 00	111 00															LWG0108R002TSSPWB011	ok
8/14/2002	11-06	ORNZ83FT	7629881 186	700052.0408	EF4	SP012WB	IS	electro	LWG01	08R002	TS	SP	WB	012	Unusable	12 00	107 00															LWG0108R002TSSPWB012	ok
8/14/2002	11 06	ORNZ83FT	7629881 186	700052 0408	EF4	SP013WB	IS	electro	LWG01	08R002	TS	SP	WB	013	Unusable	15 50	106 00															LWG0108R002TSSPWB013	ok
8/14/2002	11-06	ORNZ83FT	7629881 186	700052 0408	EF4	SP014WB	IS	electro	LWG01	08R002	TS	SP	WB	014	Unusable	10 00	96 00															LWG0108R002TSSPWB014	ok
8/14/2002	11 51	ORNZ83FT	7631699 882	697626 6586	EF5	SP001WB	IS	electro	LWG01	08R001	TS	SP	WB	001		11 00	97 00															LWG0108R001TSSPWB001	ok
8/14/2002	11.51	ORNZ83FT	7631699 882	697626 6586	EF5	SP002WB	IS	electro	LWG01	08R001	TS	SP	WB	002		25 50	125 00															LWG0108R001TSSPWB002	ok
8/14/2002	11 51	ORNZ83FT	7631699 882	697626 6586	EF5	SP003WB	IS	electro	LWG01	08R001	TS	SP	WB	003		26 00	136 00															LWG0108R001TSSPWB003	ok
8/14/2002	11 51	ORNZ83FT	7631699 882	697626 6586	EF5	SP004WB	IS	electro	LWG01	08R001	TS	SP	WB	004		27 00	129 00															LWG0108R001TSSPWB004	ok
8/14/2002	11 51	ORNZ83FT	7631699 882	697626 6586	EF5	SP005WB	IS	electro	LWG01	08R001	TS	SP	WB	005		18 00	114 00															LWG0108R001TSSPWB005	ok
8/14/2002	11 51	ORNZ83FT	7631699 882	697626.6586	EF5	SP006WB	IS	electro	LWG01	08R001	TS	SP	WB	006		18 50	112 00															LWG0108R001TSSPWB006	ok
8/14/2002	11 51	ORNZ83FT	7631699 882	697626 6586	EF5	SP007WB	IS	electro	LWG01	08R001	TS	SP	WB	007		12 00	100 00															LWG0108R001TSSPWB007	ok
8/14/2002	11 51	ORNZ83FT	7631699 882	697626 6586	EF5	SP008WB	IS	electro	LWG01	08R001	TS	SP	WB	008		11 00	99 00															LWG0108R001TSSPWB008	ok
8/14/2002	11 51	ORNZ83FT	7631699 882	697626 6586	EF5	SP009WB	IS	electro	LWG01	08R001	TS	SP	WB	009		12 00	102 00															LWG0108R001TSSPWB009	ok
8/14/2002	11 51	ORNZ83FT	7631699 882	697626 6586	EF5	SP010WB	IS	electro	LWG01	08R001	TS	SP	WB	010		19 00	115 00															LWG0108R001TSSPWB010	ok
8/14/2002	11 51	ORNZ83FT	7631699 882	697626 6586	EF5	SP011WB	IS	electro	LWG01	08R001	TS	SP	WB	011		17 00	115 00															LWG0108R001TSSPWB011	ok
8/14/2002	11 51	ORNZ83FT	7631699 882	697626 6586	EF5	SB006F	IS	electro	LWG01	08R032	TS	SB	F	006		250 00	257 00	244		248 9	250	237	40	45		11/15_1	11/27	EF/JS	LWG0108R032TSSBFLC00 and LWG0108R032TSSBFSC00	0	LWG0108R032TSSBF006	ok
8/14/2002	11 51	ORNZ83FT	7631699 882	697626 6586	EF5	LS001WB	IS	electro	LWG01	09R006	TS	LS	WB	001		720 00	429 00	408								9/16 5	9/17	SN	LWG0109R006TSLSWBC00	0	LWG0109R006TSLSWB001	ok
8/14/2002	11 51	ORNZ83FT	7631699 882	697626 6586	EF5	LS002WB	IS	electro	LWG01	09R006	TS	LS	WB	002		870 00	460 00	435								9/16 5	9/17	SN	LWG0109R006TSLSWBC00	0	LWG0109R006TSLSWB002	ok
8/14/2002	11 51	ORNZ83FT	7631699 882	697626 6586	EF5	LS003WB	IS	electro	LWG01	09R006	TS	LS	WB	003		1100 00	504 00	460														LWG0109R006TSLSWB003	ok
8/14/2002	11 51	ORNZ83FT	7631699 882	697626 6586	EF5	LS004WB	IS	electro	LWG01	09R006	TS	LS	WB	004		950 00	471 00	447														LWG0109R006TSLSWB004	ok
8/14/2002	11 51	ORNZ83FT	7631699 882	697626 6586	EF5	LS005WB	IS	electro	LWG01	09R006	TS	LS	WB	005		1080 00	495 00	463														LWG0109R006TSLSWB005	ok
8/14/2002	13 03	ORNZ83FT	7632493 29	697162 6059	EF7	SP012WB	IS	electro	LWG01	08R001	TS	SP	WB	012	Unusable	22.50	120 00															LWG0108R001TSSPWB012	ok
8/14/2002	13-03	ORNZ83FT	7632493.29	697162 6059	EF7	SP013WB	IS	electro	LWG01	08R001	TS	SP	WB	013	Unusable	20 00	112 00															LWG0108R001TSSPWB013	ok
8/14/2002	13-03	ORNZ83FT	7632493 29	697162 6059	EF7	LS006WB	IS	electro	LWG01	09R006	TS	LS	WB	006		680 00	400 00	377														LWG0109R006TSLSWB006	ok
8/14/2002	13-03	ORNZ83FT	7632493.29	697162 6059	EF7	LS007WB	IS	electro	LWG01	09R006	TS	LS	WB	007		800 00	425 00	404								9/16 5	9/17	SN	LWG0109R006TSLSWBC00	0	LWG0109R006TSLSWB007	ok
8/14/2002	13-03	ORNZ83FT	7632493 29	697162 6059	EF7	LS008WB	IS	electro	LWG01	09R006	TS	LS	WB	008		830 00	440 00	415								9/16 5	9/17	SN	LWG0109R006TSLSWBC00	0	LWG0109R006TSLSWB008	ok
8/14/2002	13-03	ORNZ83FT	7632493 29	697162 6059	EF7	SB002F	IS	electro	LWG01	09R006	TS	SB	F	002		395 00	301 00	286		386 2	288	272	64 4	81 5		11/15_1	11/27	EF/JS	LWG0109R006TSSBFLC00 and LWG0109R006TSSBFSC00	0	LWG0109R006TSSBF002	ok
8/14/2002	13.28	ORNZ83FT	7631933 545	701622 1189	CT09	CR001WB	IS	Crayfish trap	LWG01	08R003	TS	CR	WB	001		42 00	105 00			40 5						11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSCRWBC00	0	LWG0108R003TSCRWB001	ok
8/14/2002	13 38	ORNZ83FT	7628848 043	703848 2372	CT10	CR005WB	IS	Crayfish trap	LWG01	07R004	TS	CR	WB	005		56.00	120 00			53 2						11/19_1	11/20	LF/JS/SN/JC	LWG0107R004TSCRWBC00	0	LWG0107R004TSCRWB005	ok
8/15/2002	7 55	ORNZ83FT	7628827 873	703839.2759	CT2	SP006WB	IS	Crayfish trap	LWG01	07R002	TS	SP	WB	006	Unusable	19 50	119 00															LWG0107R002TSSPWB006	ok
8/15/2002	8 19	ORNZ83FT	7630568 273	699230 3638	CT4	CR002WB	IS	Crayfish trap	LWG01	08R002	TS	CR	WB	002		23.50	100 00			23.3												LWG0108R002TSCRWB002	ok
8/15/2002	9 35	ORNZ83FT	7637392 056	694059 8707	EF1	SP001WB	IS	electro	LWG01	09R002	TS	SP	WB	001		19.50	109 00									6	10/8	JD/SN				LWG0109R002TSSPWB001	ok
8/15/2002	9-35	ORNZ83FT	7637392 056	694059 8707	EF1	SP002WB	IS	electro	LWG01	09R002	TS	SP	WB	002		31 50	128 00									6	10/8	JD/SN				LWG0109R002TSSPWB002	ok
8/15/2002	9.35	ORNZ83FT	7637392 056	694059 8707	EF1	SP003WB	IS	electro	LWG01	09R002	TS	SP	WB	003		18 50	117 00									6	10/8	JD/SN				LWG0109R002TSSPWB003	ok
8/15/2002	9 35	ORNZ83FT	7637392 056	694059 8707	EF1	SP004WB	IS	electro	LWG01	09R002	TS	SP	WB	004		28 00	132 00									6	10/8	JD/SN				LWG0109R002TSSPWB004	ok
8/15/2002	9-35	ORNZ83FT	7637392 056	694059 8707	EF1	SP005WB	IS	electro	LWG01	09R002	TS	SP	WB	005		24 00	117 00									6	10/8	JD/SN				LWG0109R002TSSPWB005	ok
8/15/2002	9-35	ORNZ83FT	7637392 056	694059 8707	EF1	SP006WB	IS	electro	LWG01	09R002	TS	SP	WB	006		18 50	112 00									6	10/8	JD/SN				LWG0109R002TSSPWB006	ok
8/15/2002	9-35	ORNZ83FT	7637392 056	694059 8707	EF1	SP007WB	IS	electro	LWG01	09R002	TS	SP	WB	007		14 50	105 00									6	10/8	JD/SN				LWG0109R002TSSPWB007	ok
8/15/2002	9 35	ORNZ83FT	7637392 056	694059 8707	EF1	SP008WB	IS	electro	LWG01	09R002	TS	SP	WB	008		22 00	114 00									6	10/8	JD/SN				LWG0109R002TSSPWB008	ok
8/15/2002	9-35	ORNZ83FT	7637392 056	694059 8707	EF1	SP009WB	IS	electro	LWG01	09R002	TS	SP	WB	009		15 50	105 00									6	10/8	JD/SN				LWG0109R002TSSPWB009	ok
8/15/2002	9-35	ORNZ83FT	7637392 056	694059.8707	EF1	SP010WB	IS	electro	LWG01	09R002	TS	SP	WB	010		15.50	105 00									6	10/8	JD/SN				LWG0109R002TSSPWB010	ok
8/15/2002	9.35	ORNZ83FT	7637392 056	694059 8707	EF1	SP011WB	IS	electro	LWG01	09R002	TS	SP	WB	011		12 00	94 00									6	10/8	JD/SN				LWG0109R002TSSPWB011	ok
8/15/2002	9-35	ORNZ83FT	7637392 056	694059 8707	EF1	SP012WB	IS	electro	LWG01	09R002	TS	SP	WB	012		12 00	97 00									6	10/8	JD/SN				LWG0109R002TSSPWB012	ok
8/15/2002	9 35	ORNZ83FT	7637392 056	694059 8707	EF1	SP013WB	IS	electro	LWG01	09R002	TS	SP	WB	013		14 00	102 00									6	10/8	JD/SN				LWG0109R002TSSPWB013	ok
8/15/2002	9-35	ORNZ83FT	7637392 056	694059 8707	EF1	LS009WB	IS	electro	LWG01	09R006	TS	LS	WB	009		1170 00	513 00	485														LWG0109R006TSLSWB009	ok
8/15/2002	9.35	ORNZ83FT	7637392 056	694059 8707	EF1	LS010WB	IS	electro	LWG01	09R006	TS	LS	WB	010		860 00	431 00	405								9/16 5	9/17	SN	LWG0109R006TSLSWBC00	0	LWG0109R006TSLSWB010	ok
8/15/2002	9-35	ORNZ83FT	7637392 056	694059 8707	EF1	LS011WB	IS	electro	LWG01	09R006	TS	LS	WB	011		630 00	412 00	388														LWG0109R006TSLSWB011	ok
8/15/2002	9.35	ORNZ83FT	7637392 056	694059 8707	EF1	LS012WB	IS	electro	LWG01	09R006	TS	LS	WB	012		850 00	452 00	427								9/16 5	9/17	SN	LWG0109R006TSLSWBC00	0	LWG0109R006TSLSWB012	ok

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Table C-1 Fish Tissue Data Master Table

Date	Time	Coord_type	X_Easting	Y_Northing	Key_Day	Map_Key	Sampler	Method	Site_Round	Station	Matrix	Species	Tissue	Sample	Excluded_Samples	FieldWt_g	FieldTLgth_mm	FieldFLgth_mm	FieldCmnts	LabWt_g	LabTLgth_mm	LabFLgth_mm	LabFSWt_g	LabFLWt_g	LabCmnts	Comp	SentToLab	Packer	Comp_sample_code	rep_code	sample_code	dup_check
8/15/2002	9.35	ORNZ83FT	7637392 056	694059 8707	EF1	LS013WB	IS	electro	LWG01	09R006	TS	LS	WB	013		1050 00	460 00	434													LWG0109R006TSLSWB013	ok
8/15/2002	9 35	ORNZ83FT	7637392 056	694059 8707	EF1	LS014WB	IS	electro	LWG01	09R006	TS	LS	WB	014		1000 00	492 00	468													LWG0109R006TSLSWB014	ok
8/15/2002	9 35	ORNZ83FT	7637392 056	694059.8707	EF1	LS015WB	IS	electro	LWG01	09R006	TS	LS	WB	015		780 00	413 00	384													LWG0109R006TSLSWB015	ok
8/15/2002	9:35	ORNZ83FT	7637392 056	694059 8707	EF1	LS016WB	IS	electro	LWG01	09R006	TS	LS	WB	016		680 00	412 00	386													LWG0109R006TSLSWB016	ok
8/15/2002	9 35	ORNZ83FT	7637392 056	694059 8707	EF1	LS017WB	IS	electro	LWG01	09R006	TS	LS	WB	017		740 00	442 00	422													LWG0109R006TSLSWB017	ok
8/15/2002	9 35	ORNZ83FT	7637392 056	694059 8707	EF1	LS018WB	IS	electro	LWG01	09R006	TS	LS	WB	018		670 00	407 00	384													LWG0109R006TSLSWB018	ok
8/15/2002	9 35	ORNZ83FT	7637392 056	694059 8707	EF1	SB003F	IS	electro	LWG01	09R006	TS	SB	F	003		250 00	260 00	246		242.2	253	240	33 5	42		11/15_1	11/27	EF/JS	LWG0109R006TSSBFLC00 and LWG0109R006TSSBFSC00	0	LWG0109R006TSSBF003	ok
8/15/2002	10-01	ORNZ83FT	7637373 742	694212.2282	EF2	SP014WB	IS	electro	LWG01	09R002	TS	SP	WB	014	Unusable	12 00	94 00														LWG0109R002TSSPWB014	ok
8/15/2002	10-40	ORNZ83FT	7636761.343	694770 0961	EF3	SP015WB	IS	electro	LWG01	09R002	TS	SP	WB	015	Unusable	15 00	110 00														LWG0109R002TSSPWB015	ok
8/15/2002	10 40	ORNZ83FT	7636761 343	694770 0961	EF3	SP016WB	IS	electro	LWG01	09R002	TS	SP	WB	016	Unusable	16 00	105 00														LWG0109R002TSSPWB016	ok
8/15/2002	10-40	ORNZ83FT	7636761.343	694770 0961	EF3	SP017WB	IS	electro	LWG01	09R002	TS	SP	WB	017	Unusable	41 00	144 00														LWG0109R002TSSPWB017	ok
8/15/2002	10 40	ORNZ83FT	7636761.343	694770 0961	EF3	SP018WB	IS	electro	LWG01	09R002	TS	SP	WB	018	Unusable	21 50	116 00														LWG0109R002TSSPWB018	ok
8/15/2002	10-40	ORNZ83FT	7636761.343	694770 0961	EF3	SP019WB	IS	electro	LWG01	09R002	TS	SP	WB	019	Unusable	18 00	106 00														LWG0109R002TSSPWB019	ok
8/15/2002	10 40	ORNZ83FT	7636761.343	694770 0961	EF3	SP020WB	IS	electro	LWG01	09R002	TS	SP	WB	020	Unusable	15 00	102 00														LWG0109R002TSSPWB020	ok
8/15/2002	10-40	ORNZ83FT	7636761.343	694770 0961	EF3	SP021WB	IS	electro	LWG01	09R002	TS	SP	WB	021	Unusable	32 00	131 00														LWG0109R002TSSPWB021	ok
8/15/2002	11 45	ORNZ83FT	7636289 713	696944 4886	EF4	SB004F	IS	electro	LWG01	09R006	TS	SB	F	004		232 00	251 00	238		225 4	245	234	21 9	41 1		11/15_1	11/27	EF/JS	LWG0109R006TSSBFLC00 and LWG0109R006TSSBFSC00	0	LWG0109R006TSSBF004	ok
8/15/2002	12.53	ORNZ83FT	7632104 655	697395.356	FF5	SP014WB	IS	electro	LWG01	08R001	TS	SP	WB	014	Unusable	27 00	125 00														LWG0108R001TSSPWB014	ok
8/15/2002	12 53	ORNZ83FT	7632104 655	697395.356	EF5	SP015WB	IS	electro	LWG01	08R001	TS	SP	WB	015	Unusable	21 50	117 00														LWG0108R001TSSPWB015	ok
8/15/2002	12 53	ORNZ83FT	7632104 655	697395 356	EF5	SP016WB	IS	electro	LWG01	08R001	TS	SP	WB	016	Unusable	11 50	104 00														LWG0108R001TSSPWB016	ok
8/15/2002	12 53	ORNZ83FT	7632104 655	697395.356	EF5	SP017WB	IS	electro	LWG01	08R001	TS	SP	WB	01˜	Unusable	19 00	110 00														LWG0108R001TSSPWB017	ok
8/15/2002	12 53	ORNZ83FT	7632104 655	697395 356	EF5	SP018WB	IS	electro	LWG01	08R001	TS	SP	WB	018	Unusable	19 50	109 00														LWG0108R001TSSPWB018	ok
8/15/2002	12 53	ORNZ83FT	7632104 655	697395.356	EF5	SP019WB	IS	electro	LWG01	08R001	TS	SP	WB	019	Unusable	28 00	125 00														LWG0108R001TSSPWB019	ok
8/15/2002	12 53	ORNZ83FT	7632104 655	697395 356	EF5	SP020WB	IS	electro	LWG01	08R001	TS	SP	WB	020	Unusable	17 00	110 00														LWG0108R001TSSPWB020	ok
8/15/2002	12 53	ORNZ83FT	7632104 655	697395 356	EF5	SP021WB	IS	electro	LWG01	08R001	TS	SP	WB	021	Unusable	16 50	107 00														LWG0108R001TSSPWB021	ok
8/15/2002	12 53	ORNZ83FT	7632104 655	697395 356	EF5	SP022WB	IS	electro	LWG01	08R001	TS	SP	WB	022	Unusable	11 00	98 00														LWG0108R001TSSPWB022	ok
8/15/2002	12 53	ORNZ83FT	7632104 655	697395.356	EF5	SP023WB	IS	electro	LWG01	08R001	TS	SP	WB	023	Unusable	10.50	97 00														LWG0108R001TSSPWB023	ok
8/15/2002	12 53	ORNZ83FT	7632104 655	697395 356	EF5	SP024WB	IS	electro	LWG01	08R001	TS	SP	WB	024	Unusable	15 00	104 00														LWG0108R001TSSPWB024	ok
8/15/2002	12 53	ORNZ83FT	7632104 655	697395 356	EF5	SB001WB	IS	electro	LWG01	09R006	TS	SB	WB	001		540 00	337 00	318		535 3						11/26_1	11/27	EF/JS	LWG0109R006TSSBWBC00	0	LWG0109R006TSSBWB001	ok
8/16/2002	8 14	ORNZ83FT	7631780 795	701624 9575	CT5	CR002WB	IS	Crayfish trap	LWG01	08R003	TS	CR	WB	002		28.50	100 00			27 8											LWG0108R003TSCRWB002	ok
8/16/2002	8 14	ORNZ83FT	7631780 795	701624 9575	CT5	CR003WB	IS	Crayfish trap	LWG01	08R003	TS	CR	WB	003						32 3											LWG0108R003TSCRWB003	ok
8/16/2002	9 31	ORNZ83FT	7636149 559	698995 8979	EF1	SB006WB	IS	electro	LWG01	08R010	TS	SB	WB	006		340 00	266 00	256								11/15_3	11/27	EF/JS	LWG0108R010TSSBWBC30	3	LWG0108R010TSSBWB006	ok
8/16/2002	9 31	ORNZ83FT	7636149 559	698995 8979	EF1	SP007WB	IS	electro	LWG01	09R001	TS	SP	WB	007	Unusable	10 00	94 00														LWG0109R001TSSPWB007	ok
8/16/2002	9-31	ORNZ83FT	7636149.559	698995 8979	EF1	SP008WB	IS	electro	LWG01	09R001	TS	SP	WB	008	Unusable	19 00	115 00														LWG0109R001TSSPWB008	ok
8/16/2002	9 31	ORNZ83FT	7636149 559	698995 8979	EF1	SP009WB	IS	electro	LWG01	09R001	TS	SP	WB	009	Unusable	10.50	108 00														LWG0109R001TSSPWB009	ok
8/16/2002	10.33	ORNZ83FT	7628416 88	701838 5891	EF2	SP003WB	IS	electro	LWG01	07R003	TS	SP	WB	003		21 00	118 00									11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSSPWBC00	0	LWG0107R003TSSPWB003	ok
8/16/2002	10-33	ORNZ83FT	7628416 88	701838 5891	EF2	SP004WB	IS	electro	LWG01	07R003	TS	SP	WB	004		14 50	107 00									11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSSPWBC00	0	LWG0107R003TSSPWB004	ok
8/16/2002	10-33	ORNZ83FT	7628416.88	701838 5891	EF2	SP005WB	IS	electro	LWG01	07R003	TS	SP	WB	005		10 00	96 00									11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSSPWBC00	0	LWG0107R003TSSPWB005	ok
8/16/2002	10 33	ORNZ83FT	7628416 88	701838 5891	EF2	SP006WB	IS	electro	LWG01	07R003	TS	SP	WB	006		13 00	108 00									11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSSPWBC00	0	LWG0107R003TSSPWB006	ok
8/16/2002	10:33	ORNZ83FT	7628416 88	701838 5891	EF2	SB008WB	IS	electro	LWG01	07R009	TS	SB	WB	008		203 00	251 00	237								11/15_2	11/27	EF/JS	LWG0107R009TSSBWBC20	2	LWG0107R009TSSBWB008	ok
8/16/2002	11-06	ORNZ83FT	7627568 069	702710 1609	EF3	SP001WB	IS	electro	LWG01	07R001	TS	SP	WB	001	Unusable	16 00	110 00														LWG0107R001TSSPWB001	ok
8/16/2002	11-06	ORNZ83FT	7627568 069	702710 1609	EF3	SP002WB	IS	electro	LWG01	07R001	TS	SP	WB	002	Unusable	8 90	90 00														LWG0107R001TSSPWB002	ok
8/16/2002	12-06	ORNZ83FT	7628016.313	704494 8258	EF4	SP007WB	IS	electro	LWG01	07R002	TS	SP	WB	007	Unusable	12.50	100 00														LWG0107R002TSSPWB007	ok
8/16/2002	12-06	ORNZ83FT	7628016.313	704494 8258	EF4	SP008WB	IS	electro	LWG01	07R002	TS	SP	WB	008	Unusable	15 50	111 00														LWG0107R002TSSPWB008	ok
8/16/2002	12-06	ORNZ83FT	7628016.313	704494 8258	EF4	SP009WB	IS	electro	LWG01	07R002	TS	SP	WB	009	Unusable	9 30	91 00														LWG0107R002TSSPWB009	ok
8/16/2002	12-06	ORNZ83FT	7628016 313	704494 8258	EF4	SP010WB	IS	electro	LWG01	07R002	TS	SP	WB	010	Unusable	11 40	99 00														LWG0107R002TSSPWB010	ok
8/16/2002	12-06	ORNZ83FT	7628016 313	704494 8258	EF4	SP011WB	IS	electro	LWG01	07R002	TS	SP	WB	011	Unusable	14.20	106 00														LWG0107R002TSSPWB011	ok
8/16/2002	12 06	ORNZ83FT	7628016.313	704494 8258	EF4	SP012WB	IS	electro	LWG01	07R002	TS	SP	WB	012	Unusable	14 90	103 00														LWG0107R002TSSPWB012	ok
8/16/2002	12-06	ORNZ83FT	7628016.313	704494 8258	EF4	SP013WB	IS	electro	LWG01	07R002	TS	SP	WB	013	Unusable	9 40	90 00														LWG0107R002TSSPWB013	ok
8/16/2002	12 06	ORNZ83FT	7628016 313	704494 8258	EF4	SP014WB	IS	electro	LWG01	07R002	TS	SP	WB	014	Unusable	25.50	125 00														LWG0107R002TSSPWB014	ok
8/16/2002	12 58	ORNZ83FT	7626905 198	705809 3512	EF5	SP007WB	IS	electro	LWG01	06R002	TS	SP	WB	007		22 00	123 00									5	10/8	JD/SN	LWG0106R002TSSPWBC00	0	LWG0106R002TSSPWB007	ok
8/16/2002	12 58	ORNZ83FT	7626905 198	705809.3512	EF5	SP008WB	IS	electro	LWG01	06R002	TS	SP	WB	008		10 00	96 00									5	10/8	JD/SN	LWG0106R002TSSPWBC00	0	LWG0106R002TSSPWB008	ok
8/16/2002	12 58	ORNZ83FT	7626905 198	705809.3512	EF5	SP009WB	IS	electro	LWG01	06R002	TS	SP	WB	009		18 00	110 00									5	10/8	JD/SN	LWG0106R002TSSPWBC00	0	LWG0106R002TSSPWB009	ok
8/16/2002	12.58	ORNZ83FT	7626905 198	705809 3512	EF5	SP010WB	IS	electro	LWG01	06R002	TS	SP	WB	010		21.50	125 00									5	10/8	JD/SN	LWG0106R002TSSPWBC00	0	LWG0106R002TSSPWB010	ok
8/16/2002	12 58	ORNZ83FT	7626905 198	705809.3512	EF5	SP011WB	IS	electro	LWG01	06R002	TS	SP	WB	011		15 50	110 00									5	10/8	JD/SN	LWG0106R002TSSPWBC00	0	LWG0106R002TSSPWB011	ok
8/16/2002	12 58	ORNZ83FT	7626905 198	705809.3512	EF5	SP012WB	IS	electro	LWG01	06R002	TS	SP	WB	012		10 90	98 00									5	10/8	JD/SN	LWG0106R002TSSPWBC00	0	LWG0106R002TSSPWB012	ok
8/16/2002	12.58	ORNZ83FT	7626905 198	705809.3512	EF5	SP013WB	IS	electro	LWG01	06R002	TS	SP	WB	013		11 70	99 00									5	10/8	JD/SN	LWG0106R002TSSPWBC00	0	LWG0106R002TSSPWB013	ok
8/16/2002	12 58	ORNZ83FT	7626905 198	705809 3512	EF5	SP014WB	IS	electro	LWG01	06R002	TS	SP	WB	014		12 20	102 00									5	10/8	JD/SN	LWG0106R002TSSPWBC00	0	LWG0106R002TSSPWB014	ok
8/16/2002	12 58	ORNZ83FT	7626905 198	705809.3512	EF5	SP015WB	IS	electro	LWG01	06R002	TS	SP	WB	015		20 40	119 00									5	10/8	JD/SN	LWG0106R002TSSPWBC00	0	LWG0106R002TSSPWB015	ok
8/16/2002	12 58	ORNZ83FT	7626905 198	705809.3512	EF5	SP016WB	IS	electro	LWG01	06R002	TS	SP	WB	016		11 00	96 00									5	10/8	JD/SN	LWG0106R002TSSPWBC00	0	LWG0106R002TSSPWB016	ok
8/16/2002	12 58	ORNZ83FT	7626905 198	705809 3512	EF5	SP017WB	IS	electro	LWG01	06R002	TS	SP	WB	017		12 00	100 00									5	10/8	JD/SN	LWG0106R002TSSPWBC00	0	LWG0106R002TSSPWB017	ok
8/16/2002	12 58	ORNZ83FT	7626905 198	705809.3512	EF5	SP018WB	IS	electro	LWG01	06R002	TS	SP	WB	018		27 50	129 00									5	10/8	JD/SN	LWG0106R002TSSPWBC00	0	LWG0106R002TSSPWB018	ok
8/16/2002	12 58	ORNZ83FT	7626905 198	705809.3512	EF5	SP019WB	IS	electro	LWG01	06R002	TS	SP	WB	019		19 00	110 00									5	10/8	JD/SN	LWG0106R002TSSPWBC00	0	LWG0106R002TSSPWB019	ok
8/16/2002	12 58	ORNZ83FT	7626905 198	705809.3512	EF5	SP020WB	IS	electro	LWG01	06R002	TS	SP	WB	020		21 70	122 00									5	10/8	JD/SN	LWG0106R002TSSPWBC00	0	LWG0106R002TSSPWB020	ok
8/16/2002	12 58	ORNZ83FT	7626905 198	705809.3512	EF5	SP021WB	IS	electro	LWG01	06R002	TS	SP	WB	021		110 00	175 00														LWG0106R002TSSPWB021	ok
8/16/2002	13 58	ORNZ83FT	7629779 586	702837 3695	EF6	SB009WB	IS	electro	LWG01	07R009	TS	SB	WB	009		290 00	264 00	251								11/15_1	11/27	EF/JS	LWG0107R009TSSBWBC10	1	LWG0107R009TSSBWB009	ok
8/26/2002	9 36	ORNZ83FT	7636570 194	698963 541	EF1	CP034F	IS	electro	LWG01	FZ0609	TS	CP	F	034		1930 00	527 00	475		1920.3	520	469	163 9	275 8		9/19_1F	9/30	SN	LWG01FZ0609TSCPFLC10 and LWG01FZ0609TSCPFSC10	1	LWG01FZ0609TSCPF034	ok
8/26/2002	9 36	ORNZ83FT	7636570 194	698963 541	EF1	CP035F	IS	electro	LWG01	FZ0609	TS	CP	F	035		1930 00	511 00	457		1914.3	508	454	171 6	253 4		9/19_Archive					LWG01FZ0609TSCPF035	ok
8/26/2002	9 36	ORNZ83FT	7636570 194	698963 541	EF1	CP036F	IS	electro	LWG01	FZ0609	TS	CP	F	036		2020 00	529 00	472		2022 8	526	470	189 7	311 1		9/19_2F	9/30	SN	LWG01FZ0609TSCPFLC20 and LWG01FZ0609TSCPFSC20	2	LWG01FZ0609TSCPF036	ok
8/26/2002	9 36	ORNZ83FT	7636570 194	698963 541	EF1	CP037F	IS	electro	LWG01	FZ0609	TS	CP	F	037		2630 00	574 00	522		2622 8	577	520	266 7	444 5		9/19_3F	9/30	SN	LWG01FZ0609TSCPFLC30 and LWG01FZ0609TSCPFSC30	3	LWG01FZ0609TSCPF037	ok
8/26/2002	10-09	ORNZ83FT	7635657 004	700061 6145	EF2	CP038F	IS	electro	LWG01	FZ0609	TS	CP	F	038		1660 00	508 00	450		1667 4	501	451	205 1	288 7		9/19_Archive					LWG01FZ0609TSCPF038	ok
8/26/2002	10-09	ORNZ83FT	7635657 004	700061 6145	EF2	CP039F	IS	electro	LWG01	FZ0609	TS	CP	F	039		2020 00	540 00	485		2001 7	526	476	272.2	317 8		9/19_3F	9/30	SN	LWG01FZ0609TSCPFLC30 and LWG01FZ0609TSCPFSC30	3	LWG01FZ0609TSCPF039	ok
8/26/2002	11-03	ORNZ83FT	7622831 642	706195 9574	EF3	NP001WB	IS	electro	LWG01	06R024	TS	NP	WB	001		650 00	426 00	391		629 7											LWG0106R024TSNPWB001	ok
8/26/2002	11-03	ORNZ83FT	7622831 642	706195 9574	EF3	CP040WB	IS	electro	LWG01	FZ0609	TS	CP	WB	040		1650 00	508 00	452		1650 2						9/19_Archive					LWG01FZ0609TSCPWB040	ok
8/26/2002	11.30	ORNZ83FT	7622429 529	706467.5346	EF4	SP002WB	IS	electro	LWG01	06R001	TS	SP	WB	002		12 00	101 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSSPWBC00	0	LWG0106R001TSSPWB002	ok
8/26/2002	11 30	ORNZ83FT	7622429.529	706467 5346	EF4	CP041WB	IS	electro	LWG01	FZ0609	TS	CP	WB	041		3250 00	613 00	550		3232 6					Too heavy for scale - use	9/19_Archive					LWG01FZ0609TSCPWB041	ok
8/26/2002	11 57	ORNZ83FT	7622456 617	706415 5751	EF5	SP003WB	IS	electro	LWG01	06R001	TS	SP	WB	003		33 50	135 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSSPWBC00	0	LWG0106R001TSSPWB003	ok
8/26/2002	11 57	ORNZ83FT	7622456 617	706415.5751	EF5	SP004WB	IS	electro	LWG01	06R001	TS	SP	WB	004		19 80	114 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSSPWBC00	0	LWG0106R001TSSPWB004	ok
8/26/2002	11 57	ORNZ83FT	7622456 617	706415 5751	EF5	SP005WB	IS	electro	LWG01	06R001	TS	SP	WB	005		12 00	101 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSSPWBC00	0	LWG0106R001TSSPWB005	ok
8/26/2002	11 57	ORNZ83FT	7622456 617	706415.5751	EF5	SP006WB	IS	electro	LWG01	06R001	TS	SP	WB	006		20 80	120 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSSPWBC00	0	LWG0106R001TSSPWB006	ok
8/26/2002	11 57	ORNZ83FT	7622456 617	706415 5751	EF5	SP007WB	IS	electro	LWG01	06R001	TS	SP	WB	007		14 00	102 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSSPWBC00	0	LWG0106R001TSSPWB007	ok
8/26/2002	11 57	ORNZ83FT	7622456 617	706415 5751	EF5	SP008WB	IS	electro	LWG01	06R001	TS	SP	WB	008		20 50	120 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSSPWBC00	0	LWG0106R001TSSPWB008	ok
8/26/2002	11 57	ORNZ83FT	7622456 617	706415.5751	EF5	SP009WB	IS	electro	LWG01	06R001	TS	SP	WB	009		13 50	104 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSSPWBC00	0	LWG0106R001TSSPWB009	ok
8/26/2002	11 57	ORNZ83FT	7622456 617	706415 5751	EF5	CP042WB	IS	electro	LWG01	FZ0609	TS	CP	WB	042		2250 00	561 00	496		2234 8						9/19_1	9/30	SN	LWG01FZ0609TSCPWBC10	1	LWG01FZ0609TSCPWB042	ok
8/26/2002	11 57	ORNZ83FT	7622456 617	706415.5751	EF5	CP043WB	IS	electro	LWG01	FZ0609	TS	CP	WB	043		1850 00	518 00	466		1841						9/19_2	9/30	SN	LWG01FZ0609TSCPWBC20	2	LWG01FZ0609TSCPWB043	ok
8/26/2002	12 46	ORNZ83FT	7623208 449	706095.5147	EF6	SP010WB	IS	electro	LWG01	06R001	TS	SP	WB	010	Unusable	18 00	115 00														LWG0106R001TSSPWB010	ok
8/26/2002	12 46	ORNZ83FT	7623208 449	706095.5147	EF6	SP011WB	IS	electro	LWG01	06R001	TS	SP	WB	011	Unusable	10 00	97 00														LWG0106R001TSSPWB011	ok
8/26/2002	12 46	ORNZ83FT	7623208 449	706095 5147	EF6	CP044WB	IS	electro	LWG01	FZ0609	TS	CP	WB	044		2700 00	576 00	527		2687 4						9/19_3	9/30	SN	LWG01FZ0609TSCPWBC30	3	LWG01FZ0609TSCPWB044	ok
8/27/2002	7 30	ORNZ83FT	7636554 515	698598 6449	CT1	CR001WB	IS	Crayfish trap	LWG01	09R001	TS	CR	WB	001		35 00	110 00			31 6						11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSCRWBC10	1	LWG0109R001TSCRWB001	ok
8/27/2002	7 30	ORNZ83FT	7636554 515	698598 6449	CT1	CR002WB	IS	Crayfish trap	LWG01	09R001	TS	CR	WB	002		32 00	105 00			31 5						11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSCRWBC10	1	LWG0109R001TSCRWB002	ok
8/27/2002	7 30	ORNZ83FT	7636554.515	698598 6449	CT1	CR003WB	IS	Crayfish trap	LWG01	09R001	TS	CR	WB	003		55 00	111 00			53 6						11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSCRWBC10	1	LWG0109R001TSCRWB003	ok
8/27/2002	7 30	ORNZ83FT	7636554 515	698598 6449	CT1	CR004WB	IS	Crayfish trap	LWG01	09R001	TS	CR	WB	004		39 50	101 00			39 2						11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSCRWBC10	1	LWG0109R001TSCRWB004	ok
8/27/2002	7 48	ORNZ83FT	7631767 894	701629.237	CT2	CR004WB	IS	Crayfish trap	LWG01	08R003	TS	CR	WB	004		29 50	101 00			28.5											LWG0108R003TSCRWB004	ok
8/27/2002	7 48	ORNZ83FT	7631767.894	701629.237	CT2	CR005WB	IS	Crayfish trap	LWG01	08R003	TS	CR	WB	005		59 00	111 00			53 9						11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSCRWBC00	0	LWG0108R003TSCRWB005	ok
8/27/2002	7 59	ORNZ83FT	7628671 712	704299 7601	CT3	CR006WB	IS	Crayfish trap	LWG01	07R004	TS	CR	WB	006		34.50	107 00			34 2						11/19_1	11/20	LF/JS/SN/JC	LWG0107R004TSCRWBC00	0	LWG0107R004TSCRWB006	ok
8/27/2002	8 12	ORNZ83FT	7623270 947	706073 4356	CT4	CR003WB	IS	Crayfish trap	LWG01	06R001	TS	CR	WB	003		29 00	109 00			28 4						11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSCRWBC00	0	LWG0106R001TSCRWB003	ok
8/27/2002	8 12	ORNZ83FT	7623270 947	706073 4356	CT4	CR004WB	IS	Crayfish trap	LWG01	06R001	TS	CR	WB	004		38 00	112 00			37.5						11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSCRWBC00	0	LWG0106R001TSCRWB004	ok
8/27/2002	10-07	ORNZ83FT	7621568 932	707688 5029	EF1	SP001WB	IS	electro	LWG01	05R020	TS	SP	WB	001		8 50	90 00														LWG0105R020TSSPWB001	ok
8/27/2002	10-07	ORNZ83FT	7621568 932	707688.5029	EF1	SP002WB	IS	electro	LWG01	05R020	TS	SP	WB	002		10 00	92 00									11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB002	ok
8/27/2002	10-07	ORNZ83FT	7621568 932	707688.5029	EF1	SP003WB	IS	electro	LWG01	05R020	TS	SP	WB	003		15 00	106 00									11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB003	ok
8/27/2002	10-07	ORNZ83FT	7621568 932	707688 5029	EF1	SP004WB	IS	electro	LWG01	05R020	TS	SP	WB	004		10 50	98 00									11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB004	ok
8/27/2002	10-07	ORNZ83FT	7621568 932	707688.5029	EF1	SP005WB	IS	electro	LWG01	05R020	TS	SP	WB	005		14 50	107 00									11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB005	ok
8/27/2002	10-07	ORNZ83FT	7621568 932	707688.5029	EF1	SP006WB	IS	electro	LWG01	05R020	TS	SP	WB	006		8 00	90 00														LWG0105R020TSSPWB006	ok
8/27/2002	10-07	ORNZ83FT	7621568 932	707688 5029	EF1	SP007WB	IS	electro	LWG01	05R020	TS	SP	WB	007		10.50	99 00									11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB007	ok
8/27/2002	10-07	ORNZ83FT	7621568 932	707688.5029	EF1	SP008WB	IS	electro	LWG01	05R020	TS	SP	WB	008		10 00	93 00									11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB008	ok

Table C-1 Fish Tissue Data Master Table

Date	Time	Coord type	X Easting	Y Northing	Key Day	Map Key	Sampler	Method	Site Round	Station	Matrix	Species	Tissue	Sample	Excluded Samples	FieldWt g	FieldTLgth mm	FieldFLgth mm	FieldCmnts	LabWt g	LabTLgth mm	LabFLgth mm	LabFSWt g	LabFLWt g	LabCmnts	Comp	SentToLab	Packer	Comp sample code	rep code	sample code	dup check
8/27/2002	10·07	ORNZ83FT	7621568 932	707688.5029	EF1	SP009WB	IS	electro	LWG01	05R020	TS	SP	WB	009		11 00	102 00									11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB009	ok
8/27/2002	10·07	ORNZ83FT	7621568 932	707688.5029	EF1	SP010WB	IS	electro	LWG01	05R020	TS	SP	WB	010		19 50	113 00									11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB010	ok
8/27/2002	10·07	ORNZ83FT	7621568 932	707688 5029	EF1	SP011WB	IS	electro	LWG01	05R020	TS	SP	WB	011		15 50	111 00									11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB011	ok
8/27/2002	10·07	ORNZ83FT	7621568 932	707688.5029	EF1	SP012WB	IS	electro	LWG01	05R020	TS	SP	WB	012		12.50	99 00									11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB012	ok
8/27/2002	10·07	ORNZ83FT	7621568 932	707688 5029	EF1	SP013WB	IS	electro	LWG01	05R020	TS	SP	WB	013		9 50	96 00														LWG0105R020TSSPWB013	ok
8/27/2002	10·07	ORNZ83FT	7621568 932	707688 5029	EF1	SP014WB	IS	electro	LWG01	05R020	TS	SP	WB	014		12.50	102 00									11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB014	ok
8/27/2002	10·07	ORNZ83FT	7621568 932	707688.5029	EF1	SP015WB	IS	electro	LWG01	05R020	TS	SP	WB	015		9 00	91 00														LWG0105R020TSSPWB015	ok
8/27/2002	10·07	ORNZ83FT	7621568 932	707688 5029	EF1	SB001F	IS	electro	LWG01	06R024	TS	SB	F	001		200 00	250 00	238		201 7	241	232	32 5	39 6		11/15_1	11/27	EF/JS	LWG0106R024TSSBFLC00 and LWG0106R024TSSBFSC00	0	LWG0106R024TSSBF001	ok
8/27/2002	11.32	ORNZ83FT	7621156 902	708175.2874	EF3	SP016WB	IS	electro	LWG01	05R020	TS	SP	WB	016	Unusable	9 00	90 00														LWG0105R020TSSPWB016	ok
8/27/2002	11 32	ORNZ83FT	7621156 902	708175.2874	EF3	SP017WB	IS	electro	LWG01	05R020	TS	SP	WB	017	Unusable	12 50	98 00														LWG0105R020TSSPWB017	ok
8/27/2002	11.32	ORNZ83FT	7621156 902	708175.2874	EF3	SP018WB	IS	electro	LWG01	05R020	TS	SP	WB	018	Unusable	9 50	92 00														LWG0105R020TSSPWB018	ok
8/27/2002	11 32	ORNZ83FT	7621156 902	708175.2874	EF3	SP019WB	IS	electro	LWG01	05R020	TS	SP	WB	019	Unusable	12 00	100 00														LWG0105R020TSSPWB019	ok
8/27/2002	11.32	ORNZ83FT	7621156 902	708175.2874	EF3	SP020WB	IS	electro	LWG01	05R020	TS	SP	WB	020	Unusable	24 50	124 00														LWG0105R020TSSPWB020	ok
8/27/2002	11 32	ORNZ83FT	7621156 902	708175 2874	EF3	SP021WB	IS	electro	LWG01	05R020	TS	SP	WB	021	Unusable	13 00	99 00														LWG0105R020TSSPWB021	ok
8/27/2002	12.36	ORNZ83FT	7618222 084	712188 5128	EF4	SP001WB	IS	electro	LWG01	04R004	TS	SP	WB	001		17.50	114 00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSSPWBC00	0	LWG0104R004TSSPWB001	ok
8/27/2002	12.36	ORNZ83FT	7618222 084	712188.5128	EF4	SP002WB	IS	electro	LWG01	04R004	TS	SP	WB	002		15 00	110 00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSSPWBC00	0	LWG0104R004TSSPWB002	ok
8/27/2002	12.36	ORNZ83FT	7618222 084	712188.5128	EF4	SP003WB	IS	electro	LWG01	04R004	TS	SP	WB	003		25 00	130 00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSSPWBC00	0	LWG0104R004TSSPWB003	ok
8/28/2002	19·04	ORNZ83FT	7627828 504	704554.3924	EF1	LA001WB	IS	electro	LWG01	07R002	TS	LA	WB	001		3 50				3.5	125										LWG0107R002TSLAWB001	ok
8/28/2002	19·04	ORNZ83FT	7627828 504	704554.3924	EF1	SP015WB	IS	electro	LWG01	07R002	TS	SP	WB	015	Unusable	20 50	121 00														LWG0107R002TSSPWB015	ok
8/28/2002	19·04	ORNZ83FT	7627828 504	704554.3924	EF1	SP016WB	IS	electro	LWG01	07R002	TS	SP	WB	016	Unusable	9 50	96 00														LWG0107R002TSSPWB016	ok
8/28/2002	19·04	ORNZ83FT	7627828.504	704554 3924	EF1	SP017WB	IS	electro	LWG01	07R002	TS	SP	WB	017	Unusable	14 00	109 00														LWG0107R002TSSPWB017	ok
8/28/2002	19 04	ORNZ83FT	7627828 504	704554.3924	EF1	SP018WB	IS	electro	LWG01	07R002	TS	SP	WB	018	Unusable	12 00	100 00														LWG0107R002TSSPWB018	ok
8/28/2002	19·04	ORNZ83FT	7627828 504	704554.3924	EF1	SP019WB	IS	electro	LWG01	07R002	TS	SP	WB	019	Unusable	15 00	105 00														LWG0107R002TSSPWB019	ok
8/28/2002	19·04	ORNZ83FT	7627828 504	704554 3924	EF1	SB007WB	IS	electro	LWG01	07R009	TS	SB	WB	007		540 00	332 00	314		532 9						11/15_3	11/27	EF/JS	LWG0107R009TSSBWBC30	3	LWG0107R009TSSBWB007	ok
8/28/2002	19·04	ORNZ83FT	7627828 504	704554.3924	EF1	CP045WB	IS	electro	LWG01	FZ0609	TS	CP	WB	045		2200 00	530 00	475		2163 7						9/19_2	9/30	SN	LWG01FZ0609TSCPWBC20	2	LWG01FZ0609TSCPWB045	ok
8/28/2002	19·04	ORNZ83FT	7627828 504	704554.3924	EF1	CP046WB	IS	electro	LWG01	FZ0609	TS	CP	WB	046		2850 00	591 00	529		2832 6						9/19_1	9/30	SN	LWG01FZ0609TSCPWBC10	1	LWG01FZ0609TSCPWB046	ok
8/28/2002	20·01	ORNZ83FT	7628527.331	701634 5207	EF3	SP007WB	IS	electro	LWG01	07R003	TS	SP	WB	007		12 00	103 00									11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSSPWBC00	0	LWG0107R003TSSPWB007	ok
8/28/2002	20·01	ORNZ83FT	7628527.331	701634 5207	EF3	SP008WB	IS	electro	LWG01	07R003	TS	SP	WB	008		14 00	102 00									11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSSPWBC00	0	LWG0107R003TSSPWB008	ok
8/29/2002	10:39	ORNZ83FT	7631814 62	701594 7056	CT1	CR006WB	IS	Crayfish trap	LWG01	08R003	TS	CR	WB	006		29 50	100 00			28 9											LWG0108R003TSCRWB006	ok
8/29/2002	10:39	ORNZ83FT	7631814 62	701594 7056	CT1	CR007WB	IS	Crayfish trap	LWG01	08R003	TS	CR	WB	007		33 50	100 00			32 6						11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSCRWBC00	0	LWG0108R003TSCRWB007	ok
8/29/2002	10·53	ORNZ83FT	7628721 805	704219 2006	CT2	CR007WB	IS	Crayfish trap	LWG01	07R004	TS	CR	WB	007		36 50	107 00			36.2						11/19_1	11/20	LF/JS/SN/JC	LWG0107R004TSCRWBC00	0	LWG0107R004TSCRWB007	ok
8/29/2002	10 53	ORNZ83FT	7628721.805	704219.2006	CT2	CR008WB	IS	Crayfish trap	LWG01	07R004	TS	CR	WB	008		47 00	110 00			45 7						11/19_1	11/20	LF/JS/SN/JC	LWG0107R004TSCRWBC00	0	LWG0107R004TSCRWB008	ok
8/29/2002	11·06	ORNZ83FT	7623288 769	706092 4641	CT3	CR005WB	IS	Crayfish trap	LWG01	06R001	TS	CR	WB	005		29 50	104 00			29 1						11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSCRWBC00	0	LWG0106R001TSCRWB005	ok
8/29/2002	11 27	ORNZ83FT	7636631 729	698568 0994	CT4	CR005WB	IS	Crayfish trap	LWG01	09R001	TS	CR	WB	005		33 00	102 00			32						11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSCRWBC10	1	LWG0109R001TSCRWB005	ok
8/29/2002	11 27	ORNZ83FT	7636631 729	698568 0994	CT4	CR006WB	IS	Crayfish trap	LWG01	09R001	TS	CR	WB	006		26 50	100 00			26 2						11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSCRWBC10	1	LWG0109R001TSCRWB006	ok
8/29/2002	12.53	ORNZ83FT	7636466 95	698625.3368	EFB1	SP010WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	010		8 00	90 00														LWG0109R001TSSPWB010	ok
8/29/2002	12 53	ORNZ83FT	7636466 95	698625 3368	EFB1	SP011WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	011		26.50	130 00									11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSSPWBC00	0	LWG0109R001TSSPWB011	ok
8/29/2002	13 49	ORNZ83FT	7636500 672	698595 9662	EFB2	SP012WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	012		23 00	122 00									11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSSPWBC00	0	LWG0109R001TSSPWB012	ok
8/29/2002	13 49	ORNZ83FT	7636500 672	698595 9662	EFB2	SP013WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	013		19.50	120 00									11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSSPWBC00	0	LWG0109R001TSSPWB013	ok
8/29/2002	13 49	ORNZ83FT	7636500 672	698595 9662	EFB2	SP014WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	014		16 00	112 00									11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSSPWBC00	0	LWG0109R001TSSPWB014	ok
8/29/2002	13 49	ORNZ83FT	7636500 672	698595 9662	EFB2	SP015WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	015		12.50	105 00									11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSSPWBC00	0	LWG0109R001TSSPWB015	ok
8/29/2002	14.33	ORNZ83FT	7636651 95	698511 6966	EF1	SP016WB	IS	electro	LWG01	09R001	TS	SP	WB	016		8 50	90 00														LWG0109R001TSSPWB016	ok
8/29/2002	15 40	ORNZ83FT	7627746.222	704611 0427	EF2	LA002WB	IS	electro	LWG01	07R002	TS	LA	WB	002		3 50	131 00														LWG0107R002TSLAWB002	ok
8/29/2002	15 40	ORNZ83FT	7627746.222	704611 0427	EF2	SP020WB	IS	electro	LWG01	07R002	TS	SP	WB	020	Unusable	27 00	129 00														LWG0107R002TSSPWB020	ok
8/29/2002	15 40	ORNZ83FT	7627746.222	704611 0427	EF2	SP021WB	IS	electro	LWG01	07R002	TS	SP	WB	021	Unusable	14 50	109 00														LWG0107R002TSSPWB021	ok
8/29/2002	15 40	ORNZ83FT	7627746 222	704611 0427	EF2	SP022WB	IS	electro	LWG01	07R002	TS	SP	WB	022	Unusable	16 00	110 00														LWG0107R002TSSPWB022	ok
8/29/2002	15 40	ORNZ83FT	7627746.222	704611 0427	EF2	SP023WB	IS	electro	LWG01	07R002	TS	SP	WB	023	Unusable	11 50	102 00														LWG0107R002TSSPWB023	ok
8/29/2002	16 50	ORNZ83FT	7621125 599	708292 6979	EFB3	SP022WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	022	Unusable	22 50	119 00														LWG0105R020TSSPWB022	ok
8/29/2002	16 50	ORNZ83FT	7621125 599	708292 6979	EFB3	SP023WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	023	Unusable	27 00	129 00														LWG0105R020TSSPWB023	ok
8/29/2002	16 50	ORNZ83FT	7621125.599	708292 6979	EFB3	SP024WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	024	Unusable	11 00	98 00														LWG0105R020TSSPWB024	ok
8/29/2002	16 50	ORNZ83FT	7621125.599	708292 6979	EFB3	SP025WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	025	Unusable	16 50	112 00														LWG0105R020TSSPWB025	ok
8/29/2002	16 50	ORNZ83FT	7621125 599	708292 6979	EFB3	SP026WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	026	Unusable	24 00	129 00														LWG0105R020TSSPWB026	ok
8/29/2002	16 50	ORNZ83FT	7621125 599	708292 6979	EFB3	SP027WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	027	Unusable	19 50	119 00														LWG0105R020TSSPWB027	ok
8/29/2002	16 50	ORNZ83FT	7621125 599	708292 6979	EFB3	SP028WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	028	Unusable	14 50	108 00														LWG0105R020TSSPWB028	ok
8/29/2002	16 50	ORNZ83FT	7621125 599	708292 6979	EFB3	SP029WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	029	Unusable	10 50	98 00														LWG0105R020TSSPWB029	ok
8/29/2002	16.50	ORNZ83FT	7621125 599	708292 6979	EFB3	SP030WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	030	Unusable	11 00	99 00														LWG0105R020TSSPWB030	ok
8/29/2002	16 50	ORNZ83FT	7621125.599	708292 6979	EFB3	SP031WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	031	Unusable	10 50	97 00														LWG0105R020TSSPWB031	ok
8/29/2002	16 50	ORNZ83FT	7621125.599	708292 6979	EFB3	SP032WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	032	Unusable	11 50	100 00														LWG0105R020TSSPWB032	ok
8/29/2002	16 50	ORNZ83FT	7621125 599	708292 6979	EFB3	SP033WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	033	Unusable	11 50	102 00														LWG0105R020TSSPWB033	ok
8/30/2002	7 57	ORNZ83FT	7636647 103	698525 0636	CT1	CR007WB	IS	Crayfish trap	LWG01	09R001	TS	CR	WB	007		59 50	111 00			57 9						11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSCRWBC10	1	LWG0109R001TSCRWB007	ok
8/30/2002	7 57	ORNZ83FT	7636647 103	698525 0636	CT1	CR008WB	IS	Crayfish trap	LWG01	09R001	TS	CR	WB	008		44.50	110 00			44 2						11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSCRWBC10	1	LWG0109R001TSCRWB008	ok
8/30/2002	7 57	ORNZ83FT	7636647 103	698525 0636	CT1	CR009WB	IS	Crayfish trap	LWG01	09R001	TS	CR	WB	009		78 00	119 00			66 1						11/19_2	11/20	LF/JS/SN/JC	LWG0109R001TSCRWBC20	2	LWG0109R001TSCRWB009	ok
8/30/2002	7 57	ORNZ83FT	7636647 103	698525 0636	CT1	CR010WB	IS	Crayfish trap	LWG01	09R001	TS	CR	WB	010		39 00	105 00			31 1						11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSCRWBC20	2	LWG0109R001TSCRWB010	ok
8/30/2002	7 57	ORNZ83FT	7636647 103	698525 0636	CT1	CR011WB	IS	Crayfish trap	LWG01	09R001	TS	CR	WB	011		32 50	108 00			32 1						11/19_2	11/20	LF/JS/SN/JC	LWG0109R001TSCRWBC20	2	LWG0109R001TSCRWB011	ok
8/30/2002	7 57	ORNZ83FT	7636647 103	698525 0636	CT1	CR012WB	IS	Crayfish trap	LWG01	09R001	TS	CR	WB	012		39 00	108 00			37 5						11/19_2	11/20	LF/JS/SN/JC	LWG0109R001TSCRWBC20	2	LWG0109R001TSCRWB012	ok
8/30/2002	8 27	ORNZ83FT	7636361.274	698751 4734	EFB1	CR013WB	IS	electrobackpack	LWG01	09R001	TS	CR	WB	013		33.50	100 00			33 9						11/19_2	11/20	LF/JS/SN/JC	LWG0109R001TSCRWBC20	2	LWG0109R001TSCRWB013	ok
8/30/2002	8 27	ORNZ83FT	7636361 274	698751 4734	EFB1	SP017WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	017		16 00	119 00									11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSSPWBC00	0	LWG0109R001TSSPWB017	ok
8/30/2002	8 27	ORNZ83FT	7636361 274	698751 4734	EFB1	SP018WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	018		19 50	124 00									11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSSPWBC00	0	LWG0109R001TSSPWB018	ok
8/30/2002	8 27	ORNZ83FT	7636361 274	698751 4734	EFB1	SP019WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	019		22 50	124 00									11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSSPWBC00	0	LWG0109R001TSSPWB019	ok
8/30/2002	8 27	ORNZ83FT	7636361.274	698751 4734	EFB1	SP020WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	020		18 00	115 00									11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSSPWBC00	0	LWG0109R001TSSPWB020	ok
8/30/2002	8 27	ORNZ83FT	7636361 274	698751 4734	EFB1	SP021WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	021		18 50	111 00									11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSSPWBC00	0	LWG0109R001TSSPWB021	ok
8/30/2002	8 27	ORNZ83FT	7636361 274	698751 4734	EFB1	SP022WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	022		12.50	105 00									11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSSPWBC00	0	LWG0109R001TSSPWB022	ok
8/30/2002	8 27	ORNZ83FT	7636361 274	698751 4734	EFB1	SP023WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	023		15 50	114 00									11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSSPWBC00	0	LWG0109R001TSSPWB023	ok
8/30/2002	8 27	ORNZ83FT	7636361.274	698751 4734	EFB1	SP024WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	024		14 00	109 00									11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSSPWBC00	0	LWG0109R001TSSPWB024	ok
8/30/2002	8 27	ORNZ83FT	7636361 274	698751 4734	EFB1	SP025WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	025		15 00	109 00									11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSSPWBC00	0	LWG0109R001TSSPWB025	ok
8/30/2002	8 27	ORNZ83FT	7636361 274	698751 4734	EFB1	SP026WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	026		10 50	102 00									11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSSPWBC00	0	LWG0109R001TSSPWB026	ok
8/30/2002	8.27	ORNZ83FT	7636361.274	698751 4734	EFB1	SP027WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	027		8.50	93 00														LWG0109R001TSSPWB027	ok
8/30/2002	8 27	ORNZ83FT	7636361.274	698751 4734	EFB1	SP028WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	028		10 00	94 00														LWG0109R001TSSPWB028	ok
8/30/2002	8.27	ORNZ83FT	7636361.274	698751 4734	EFB1	SP029WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	029		9 00	93 00														LWG0109R001TSSPWB029	ok
8/30/2002	8 43	ORNZ83FT	7631797 987	701615 0189	CT2	CR008WB	IS	Crayfish trap	LWG01	08R003	TS	CR	WB	008		62 00	118 00			59 3						11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSCRWBC00	0	LWG0108R003TSCRWB008	ok
8/30/2002	8 43	ORNZ83FT	7631797 987	701615 0189	CT2	CR009WB	IS	Crayfish trap	LWG01	08R003	TS	CR	WB	009		34 00	101 00			33 5						11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSCRWBC00	0	LWG0108R003TSCRWB009	ok
8/30/2002	10·32	ORNZ83FT	7620491 715	713375 7258	EFB2	SP001WB	IS	electrobackpack	LWG01	04R002	TS	SP	WB	001		19 50	115 00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB001	ok
8/30/2002	10·32	ORNZ83FT	7620491 715	713375 7258	EFB2	SP002WB	IS	electrobackpack	LWG01	04R002	TS	SP	WB	002		14 00	105 00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB002	ok
8/30/2002	10 32	ORNZ83FT	7620491 715	713375 7258	EFB2	SP003WB	IS	electrobackpack	LWG01	04R002	TS	SP	WB	003		13 00	100 00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB003	ok
8/30/2002	10 32	ORNZ83FT	7620491 715	713375 7258	EFB2	SP004WB	IS	electrobackpack	LWG01	04R002	TS	SP	WB	004		19.50	115 00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB004	ok
8/30/2002	10·32	ORNZ83FT	7620491 715	713375 7258	EFB2	SP005WB	IS	electrobackpack	LWG01	04R002	TS	SP	WB	005		12 00	106 00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB005	ok
8/30/2002	10·32	ORNZ83FT	7620491 715	713375 7258	EFB2	SP006WB	IS	electrobackpack	LWG01	04R002	TS	SP	WB	006		10 00	95 00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB006	ok
8/30/2002	11 19	ORNZ83FT	7618172 009	712257 2248	EF1	LA001WB	IS	electro	LWG01	04R004	TS	LA	WB	001		2 00															LWG0104R004TSLAWB001	ok
8/30/2002	11 19	ORNZ83FT	7618172 009	712257 2248	EF1	SP004WB	IS	electro	LWG01	04R004	TS	SP	WB	004		24 50	124 00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSSPWBC00	0	LWG0104R004TSSPWB004	ok
8/30/2002	12 48	ORNZ83FT	7620612 888	711142 209	EF2	NP003WB	IS	electro	LWG01	05R006	TS	NP	WB	003		335 00	347 00	316													LWG0105R006TSNPWB003	ok
8/30/2002	12 48	ORNZ83FT	7620612 888	711142.209	EF2	SB007F	IS	electro	LWG01	05R006	TS	SB	F	007		458 00	311 00	297		456 7	308	291	85.2	100		11/15_1	11/27	EF/JS	LWG0105R006TSSBFLC00 and LWG0105R006TSSBFSC00	0	LWG0105R006TSSBF007	ok
8/30/2002	12 48	ORNZ83FT	7620612 888	711142.209	EF2	SB004WB	IS	electro	LWG01	05R006	TS	SB	WB	004		250 00	261 00	246		250 3						11/15_1	11/27	EF/JS	LWG0105R006TSSBWBC00	0	LWG0105R006TSSBWB004	ok
8/30/2002	12 48	ORNZ83FT	7620612 888	711142 209	EF2	SB005WB	IS	electro	LWG01	05R006	TS	SB	WB	005		220 00	246 00	234		220 1						11/15_1	11/27	EF/JS	LWG0105R006TSSBWBC00	0	LWG0105R006TSSBWB005	ok
8/30/2002	12 48	ORNZ83FT	7620612 888	711142.209	EF2	SB006WB	IS	electro	LWG01	05R006	TS	SB	WB	006		268 00	259 00	245		264.2						11/15_1	11/27	EF/JS	LWG0105R006TSSBWBC00	0	LWG0105R006TSSBWB006	ok
8/30/2002	13 48	ORNZ83FT	7633525 646	701518 6625	EF3	SB004WB	IS	electro	LWG01	08R010	TS	SB	WB	004		265 00	252 00	242		264 7						11/15_2	11/27	EF/JS	LWG0108R010TSSBWBC20	2	LWG0108R010TSSBWB004	ok
8/30/2002	13 48	ORNZ83FT	7633525 646	701518 6625	EF3	SB007WB	IS	electro	LWG01	08R010	TS	SB	WB	007		272 00	265 00	252		271 4						11/15_3	11/27	EF/JS	LWG0108R010TSSBWBC30	3	LWG0108R010TSSBWB007	ok
9/3/2002	12 54	ORNZ83FT	7616928 966	720047.3888	EFB1	SP017WB	IS	electrobackpack	LWG01	03R001	TS	SP	WB	017		16 50	111 00									2	10/8	JD/SN			LWG0103R001TSSPWB017	ok
9/3/2002	12 54	ORNZ83FT	7616928 966	720047 3888	EFB1	SP018WB	IS	electrobackpack	LWG01	03R001	TS	SP	WB	018		16 00	110 00									2	10/8	JD/SN			LWG0103R001TSSPWB018	ok
9/3/2002	12 54	ORNZ83FT	7616928 966	720047.3888	EFB1	SP019WB	IS	electrobackpack	LWG01	03R001	TS	SP	WB	019		10 50	93 00									2	10/8	JD/SN			LWG0103R001TSSPWB019	ok
9/3/2002	12 54	ORNZ83FT	7616928 966	720047.3888	EFB1	SP020WB	IS	electrobackpack	LWG01	03R001	TS	SP	WB	020		17 00	105 00									2	10/8	JD/SN			LWG0103R001TSSPWB020	ok
9/3/2002	12 54	ORNZ83FT	7616928 966	720047.3888	EFB1	SP021WB	IS	electrobackpack	LWG01	03R001	TS	SP	WB	021		17.50	105 00									2	10/8	JD/SN			LWG0103R001TSSPWB021	ok
9/3/2002	12 54	ORNZ83FT	7616928 966	720047.3888	EFB1	SP022WB	IS	electrobackpack	LWG01	03R001	TS	SP	WB	022		10 00	96 00									2	10/8	JD/SN			LWG0103R001TSSPWB022	ok
9/3/2002	12 54	ORNZ83FT	7616928 966	720047.3888	EFB1	SP023WB	IS	electrobackpack	LWG01	03R001	TS	SP	WB	023		12 00	100 00									2	10/8	JD/SN			LWG0103R001TSSPWB023	ok
9/3/2002	13 39	ORNZ83FT	7615889 078	717519 8976	EFB2	SP023WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	023	Unusable	19 00	110 00														LWG0103R002TSSPWB023	ok

Table C-1 Fish Tissue Data Master Table

Date	Time	Coord type	X Easting	Y Northing	Key Day	Map Key	Sampler	Method	Site Round	Station	Matrix	Species	Tissue	Sample	Excluded Samples	FieldWt g	FieldTLgth mm	FieldFLgth mm	FieldCmnts	LabWt g	LabTLgth mm	LabFLgth mm	LabFSWt g	LabFLWt g	LabCmnts	Comp	SentToLab	Packer	Comp sample_code	rep_code	sample_code	dup_check
9/3/2002	13 39	ORNZ83FT	7615889 078	717519 8976	EFB2	SP024WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	024	Unusable	19 00	119 00														LWG0103R002TSSPWB024	ok
9/3/2002	13.39	ORNZ83FT	7615889 078	717519 8976	EFB2	SP025WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	025	Unusable	10 00	97 00														LWG0103R002TSSPWB025	ok
9/3/2002	13 39	ORNZ83FT	7615889 078	717519 8976	EFB2	SP026WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	026	Unusable	15 00	109 00														LWG0103R002TSSPWB026	ok
9/3/2002	13 39	ORNZ83FT	7615889 078	717519 8976	EFB2	SP027WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	027	Unusable	16 50	111 00														LWG0103R002TSSPWB027	ok
9/3/2002	13 39	ORNZ83FT	7615889 078	717519 8976	EFB2	SP028WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	028	Unusable	15 00	107 00														LWG0103R002TSSPWB028	ok
9/3/2002	13 39	ORNZ83FT	7615889 078	717519 8976	EFB2	SP029WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	029	Unusable	12.50	102 00														LWG0103R002TSSPWB029	ok
9/3/2002	13 39	ORNZ83FT	7615889 078	717519 8976	EFB2	SP030WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	030	Unusable	12 50	102 00														LWG0103R002TSSPWB030	ok
9/3/2002	13 39	ORNZ83FT	7615889 078	717519 8976	EFB2	SP031WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	031	Unusable	12 00	101 00														LWG0103R002TSSPWB031	ok
9/3/2002	13 39	ORNZ83FT	7615889 078	717519 8976	EFB2	SP032WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	032	Unusable	11 50	99 00														LWG0103R002TSSPWB032	ok
9/3/2002	13 39	ORNZ83FT	7615889 078	717519 8976	EFB2	SP033WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	033	Unusable	10 00	97 00														LWG0103R002TSSPWB033	ok
9/3/2002	13 39	ORNZ83FT	7615889 078	717519 8976	EFB2	SP034WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	034	Unusable	8 50	95 00														LWG0103R002TSSPWB034	ok
9/3/2002	14 34	ORNZ83FT	7618395 772	717333 0447	EFB3	SP029WB	IS	electrobackpack	LWG01	03R034	TS	SP	WB	029		11 00	96 00		Station changed to 03R034												LWG0103R034TSSPWB029	ok
9/3/2002	14.34	ORNZ83FT	7618395 772	717333 0447	EFB3	SP031WB	IS	electrobackpack	LWG01	03R034	TS	SP	WB	031	Unusable	9 50	94 00		Station changed to 03R034												LWG0103R034TSSPWB031	ok
9/3/2002	14.34	ORNZ83FT	7618395 772	717333 0447	EFB3	SP032WB	IS	electrobackpack	LWG01	03R034	TS	SP	WB	032		12 00	99 00		Station changed to 03R034												LWG0103R034TSSPWB032	ok
9/3/2002	14 34	ORNZ83FT	7618395 772	717333 0447	EFB3	SP033WB	IS	electrobackpack	LWG01	03R034	TS	SP	WB	033		30 00	133 00		Station changed to 03R034												LWG0103R034TSSPWB033	ok
9/3/2002	14.34	ORNZ83FT	7618395 772	717333 0447	EFB3	SP022WB	IS	electrobackpack	LWG01	03R034	TS	SP	WB	022		42 00	144 00		Station changed to 03R034							11/19_1	11/20	LF/JS/SN/JC	LWG0103R034TSSPWBC00	0	LWG0103R034TSSPWB022	ok
9/3/2002	14.34	ORNZ83FT	7618395 772	717333 0447	EFB3	SP023WB	IS	electrobackpack	LWG01	03R034	TS	SP	WB	023		25.50	127 00		Station changed to 03R034							11/19_1	11/20	LF/JS/SN/JC	LWG0103R034TSSPWBC00	0	LWG0103R034TSSPWB023	ok
9/3/2002	14 34	ORNZ83FT	7618395 772	717333 0447	EFB3	SP024WB	IS	electrobackpack	LWG01	03R034	TS	SP	WB	024		13 00	104 00		Station changed to 03R034							11/19_1	11/20	LF/JS/SN/JC	LWG0103R034TSSPWBC00	0	LWG0103R034TSSPWB024	ok
9/3/2002	14.34	ORNZ83FT	7618395 772	717333 0447	EFB3	SP025WB	IS	electrobackpack	LWG01	03R034	TS	SP	WB	025		15 50	105 00		Station changed to 03R034							11/19_1	11/20	LF/JS/SN/JC	LWG0103R034TSSPWBC00	0	LWG0103R034TSSPWB025	ok
9/3/2002	14.34	ORNZ83FT	7618395 772	717333 0447	EFB3	SP026WB	IS	electrobackpack	LWG01	03R034	TS	SP	WB	026		15.50	105 00		Station changed to 03R034							11/19_1	11/20	LF/JS/SN/JC	LWG0103R034TSSPWBC00	0	LWG0103R034TSSPWB026	ok
9/3/2002	14 34	ORNZ83FT	7618395 772	717333 0447	EFB3	SP027WB	IS	electrobackpack	LWG01	03R034	TS	SP	WB	027		17 00	114 00		Station changed to 03R034							11/19_1	11/20	LF/JS/SN/JC	LWG0103R034TSSPWBC00	0	LWG0103R034TSSPWB027	ok
9/3/2002	14 34	ORNZ83FT	7618395 772	717333 0447	EFB3	SP028WB	IS	electrobackpack	LWG01	03R034	TS	SP	WB	028		18 00	112 00		Station changed to 03R034							11/19_1	11/20	LF/JS/SN/JC	LWG0103R034TSSPWBC00	0	LWG0103R034TSSPWB028	ok
9/3/2002	14.34	ORNZ83FT	7618395 772	717333 0447	EFB3	SP030WB	IS	electrobackpack	LWG01	03R034	TS	SP	WB	030		14 00	104 00		Station changed to 03R034							11/19_1	11/20	LF/JS/SN/JC	LWG0103R034TSSPWBC00	0	LWG0103R034TSSPWB030	ok
9/3/2002	17 33	ORNZ83FT	7615725.379	717997 52	EFB4	SP035WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	035		12 00	100 00									3	10/8	JD/SN	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB035	ok
9/3/2002	17 33	ORNZ83FT	7615725 379	717997 52	EFB4	SP036WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	036		13 50	104 00									3	10/8	JD/SN	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB036	ok
9/3/2002	17 33	ORNZ83FT	7615725.379	717997 52	EFB4	SP037WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	037		18 00	113 00									3	10/8	JD/SN	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB037	ok
9/3/2002	17.33	ORNZ83FT	7615725 379	717997 52	EFB4	SP038WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	038		39 50	143 00									3	10/8	JD/SN	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB038	ok
9/4/2002	11 58	ORNZ83FT	7616899 438	720168 7906	CT2	CR003WB	IS	Crayfish trap	LWG01	03R008	TS	CR	WB	003		58 00	115 00			57 7						11/19_1	11/20	LF/JS/SN/JC	LWG0103R008TSCRWBC00	0	LWG0103R008TSCRWB003	ok
9/4/2002	11 58	ORNZ83FT	7616899 438	720168 7906	CT2	CR004WB	IS	Crayfish trap	LWG01	03R008	TS	CR	WB	004		26 50	103 00			26 4											LWG0103R008TSCRWB004	ok
9/4/2002	12 18	ORNZ83FT	7615719 084	718045 4567	CT3	CR006WB	IS	Crayfish trap	LWG01	03R009	TS	CR	WB	006		32 00	109 00			33 9						11/19_1	11/20	LF/JS/SN/JC	LWG0103R009TSCRWBC00	0	LWG0103R009TSCRWB006	ok
9/5/2002	9·20	ORNZ83FT	7619960 471	717029 046	TL1	BB006F	IS	Trot Line	LWG01	FZ0306	TS	BB	F	006		160 00	226 00			161 5	230	221	21 1	22 8		11/22_2	11/27/2002	EF/JS	LWG01FZ0306TSBBFLC20 and LWG01FZ0306TSBBFSC20	2	LWG01FZ0306TSBBF006	ok
9/5/2002	9.20	ORNZ83FT	7619960 471	717029 046	TL1	YB007F	IS	Trot Line	LWG01	FZ0306	TS	YB	F	007		110 00	205 00			111 1	205	197	14 9	17 9							LWG01FZ0306TSYBF007	ok
9/5/2002	9.20	ORNZ83FT	7619960 471	717029 046	TL1	YB008F	IS	Trot Line	LWG01	FZ0306	TS	YB	F	008		140 00	216 00			145	224	223	17 4	20 3							LWG01FZ0306TSYBF008	ok
9/5/2002	9:39	ORNZ83FT	7619890 553	717113 6676	CT1	CR007WB	IS	Crayfish trap	LWG01	03R005	TS	CR	WB	007		33 50	107 00			33 1						11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSCRWBC00	0	LWG0103R005TSCRWB007	ok
9/5/2002	9·54	ORNZ83FT	7617099 937	723485 2894	CT2	CR001WB	IS	Crayfish trap	LWG01	02R001	TS	CR	WB	001		34 50	113 00			34						11/19_1	11/20	LF/JS/SN/JC	LWG0102R001TSCRWBC00	0	LWG0102R001TSCRWB001	#REF!
9/5/2002	10·27	ORNZ83FT	7616932.2	720152 0753	CT3	CR005WB	IS	Crayfish trap	LWG01	03R008	TS	CR	WB	005		49 00	118 00			48						11/19_1	11/20	LF/JS/SN/JC	LWG0103R008TSCRWBC00	0	LWG0103R008TSCRWB005	ok
9/5/2002	10.27	ORNZ83FT	7616932 2	720152 0753	CT3	CR006WB	IS	Crayfish trap	LWG01	03R008	TS	CR	WB	006		39 00	107 00			38 4						11/19_1	11/20	LF/JS/SN/JC	LWG0103R008TSCRWBC00	0	LWG0103R008TSCRWB006	ok
9/5/2002	10 40	ORNZ83FT	7615740 183	718033 1391	CT4	CR007WB	IS	Crayfish trap	LWG01	03R009	TS	CR	WB	007		115 00	140 00			115 2											LWG0103R009TSCRWB007	ok
9/9/2002	14·06	ORNZ83FT	7618120 127	716452 4286	EF1	SB008WB	IS	electro	LWG01	04R023	TS	SB	WB	008		275 00	255 00	244		273 8						11/15_1	11/27	EF/JS	LWG0104R023TSSBWBC10	1	LWG0104R023TSSBWB008	ok
9/9/2002	14·06	ORNZ83FT	7618120 127	716452 4286	EF1	SB009WB	IS	electro	LWG01	04R023	TS	SB	WB	009		255 00	259 00	246		254 4						11/15_2	11/27	EF/JS	LWG0104R023TSSBWBC20	2	LWG0104R023TSSBWB009	ok
9/9/2002	15 17	ORNZ83FT	7616878 697	715284 0444	EF2	BC002F	IS	electro	LWG01	FZ0306	TS	BC	F	002		285 00	266 00	254		279 1	269	255	41 6	63 9		12/03_2	12/11	LF/JS/JC	LWG01FZ0306TSBCFLC20 and LWG01FZ0306TSBCFSC20	2	LWG01FZ0306TSBCF002	ok
9/10/2002	8 45	ORNZ83FT	7617129 658	723415.2723	CT1	CR002WB	IS	Crayfish trap	LWG01	02R001	TS	CR	WB	002		30 50	102 00			30 1						11/19_1	11/20	LF/JS/SN/JC	LWG0102R001TSCRWBC00	0	LWG0102R001TSCRWB002	ok
9/10/2002	9 15	ORNZ83FT	7617416 80519	718268 85250	CT3	CR007WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	007		85 00	127 00			77 7											LWG0103R003TSCRWB007	ok
9/10/2002	9·15	ORNZ83FT	7617416 80519	718268 85250	CT3	CR008WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	008		40 00	108 00			39 6						11/19_1	11/20	LF/JS/SN/JC	LWG0103R003TSCRWBC00	0	LWG0103R003TSCRWB008	ok
9/10/2002	9·15	ORNZ83FT	7617416.80519	718268 85250	CT3	CR009WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	009		33 00	106 00			32 7						11/19_1	11/20	LF/JS/SN/JC	LWG0103R003TSCRWBC00	0	LWG0103R003TSCRWB009	ok
9/10/2002	9·15	ORNZ83FT	7617416 80519	718268 85250	CT3	CR010WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	010		31 00	103 00			30 8											LWG0103R003TSCRWB010	ok
9/10/2002	9 15	ORNZ83FT	7617416 80519	718268.85250	CT3	CR011WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	011		40 50	109 00			40 4						11/19_1	11/20	LF/JS/SN/JC	LWG0103R003TSCRWBC00	0	LWG0103R003TSCRWB011	ok
9/10/2002	9.34	ORNZ83FT	7618223.309	716312 6247	EF1	SB010WB	IS	electro	LWG01	04R023	TS	SB	WB	010		335 00	269 00	258		332 8						11/15_3	11/27	EF/JS	LWG0104R023TSSBWBC30	3	LWG0104R023TSSBWB010	ok
9/10/2002	9 45	ORNZ83FT	7619890 553	717113 6676	CT4	CR008WB	IS	Crayfish trap	LWG01	03R005	TS	CR	WB	008		37 50	108 00			36 5						11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSCRWBC00	0	LWG0103R005TSCRWB008	ok
9/10/2002	10.25	ORNZ83FT	7618593 186	715490 6397	CT5	CR002WB	IS	Crayfish trap	LWG01	03R004	TS	CR	WB	002		35 00	104 00			34 8						11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSCRWBC00	0	LWG0103R004TSCRWB002	ok
9/10/2002	10·25	ORNZ83FT	7618593 186	715490 6397	CT5	CR003WB	IS	Crayfish trap	LWG01	03R004	TS	CR	WB	003		44 50	117 00			49 5						11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSCRWBC00	0	LWG0103R004TSCRWB003	ok
9/10/2002	10.25	ORNZ83FT	7618593 186	715490 6397	CT5	CR004WB	IS	Crayfish trap	LWG01	03R004	TS	CR	WB	004		49.50	120 00			43 9						11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSCRWBC00	0	LWG0103R004TSCRWB004	ok
9/10/2002	10·53	ORNZ83FT	7618684.309	715286 0981	EF2	SB011WB	IS	electro	LWG01	04R023	TS	SB	WB	011		330 00	281 00	267		332 3						11/15_2	11/27	EF/JS	LWG0104R023TSSBWBC20	2	LWG0104R023TSSBWB011	ok
9/10/2002	12 18	ORNZ83FT	7615875 266	717638 0231	EF3	SB012WB	IS	electro	LWG01	04R023	TS	SB	WB	012		270 00	265 00	249		267 5						11/15_3	11/27	EF/JS	LWG0104R023TSSBWBC30	3	LWG0104R023TSSBWB012	ok
9/10/2002	12 18	ORNZ83FT	7615875 266	717638 0231	EF3	SB013WB	IS	electro	LWG01	04R023	TS	SB	WB	013		240 00	255 00	240		234 2						11/15_2	11/27	EF/JS	LWG0104R023TSSBWBC20	2	LWG0104R023TSSBWB013	ok
9/10/2002	13·09	ORNZ83FT	7616782.236	715542 4184	EF4	SB014WB	IS	electro	LWG01	04R023	TS	SB	WB	014		255 00	250 00	241		250 8						11/15_1	11/27	EF/JS	LWG0104R023TSSBWBC10	1	LWG0104R023TSSBWB014	ok
9/10/2002	13·09	ORNZ83FT	7616782 236	715542 4184	EF4	SB015WB	IS	electro	LWG01	04R023	TS	SB	WB	015		440 00	309 00	292		435 8						11/15_2	11/27	EF/JS	LWG0104R023TSSBWBC20	2	LWG0104R023TSSBWB015	ok
9/11/2002	8 30	ORNZ83FT	7617129 658	723415 2723	CT1	CR003WB	IS	Crayfish trap	LWG01	02R001	TS	CR	WB	003		49 00	108 00			49 0						11/19_1	11/20	LF/JS/SN/JC	LWG0102R001TSCRWBC00	0	LWG0102R001TSCRWB003	ok
9/11/2002	8 30	ORNZ83FT	7617129 658	723415 2723	CT1	CR004WB	IS	Crayfish trap	LWG01	02R001	TS	CR	WB	004		45.50	105 00			45 5						11/19_1	11/20	LF/JS/SN/JC	LWG0102R001TSCRWBC00	0	LWG0102R001TSCRWB004	ok
9/11/2002	8 30	ORNZ83FT	7617129 658	723415 2723	CT1	CR005WB	IS	Crayfish trap	LWG01	02R001	TS	CR	WB	005		75 00	128 00			72 1						11/19_1	11/20	LF/JS/SN/JC	LWG0102R001TSCRWBC00	0	LWG0102R001TSCRWB005	ok
9/11/2002	8.30	ORNZ83FT	7617129 658	723415.2723	CT1	CR006WB	IS	Crayfish trap	LWG01	02R001	TS	CR	WB	006		60 00	131 00			59 8						11/19_1	11/20	LF/JS/SN/JC	LWG0102R001TSCRWBC00	0	LWG0102R001TSCRWB006	ok
9/11/2002	8.30	ORNZ83FT	7617129 658	723415 2723	CT1	CR007WB	IS	Crayfish trap	LWG01	02R001	TS	CR	WB	007		41 00	103 00			40 6						11/19_1	11/20	LF/JS/SN/JC	LWG0102R001TSCRWBC00	0	LWG0102R001TSCRWB007	ok
9/11/2002	10·39	ORNZ83FT	7619707 566	713644 2472	EF1	NP004WB	IS	electro	LWG01	05R006	TS	NP	WB	004		920 00	497 00	456													LWG0105R006TSNPWB004	ok
9/11/2002	10·53	ORNZ83FT	7618593 186	715490 6397	CT3	CR005WB	IS	Crayfish trap	LWG01	03R004	TS	CR	WB	005		49 00	124 00			47 5						11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSCRWBC00	0	LWG0103R004TSCRWB005	ok
9/11/2002	11 56	ORNZ83FT	7620359 864	714513 4556	CT4	CR001WB	IS	Crayfish trap	LWG01	04R003	TS	CR	WB	001		24 50	100 00			23 9						11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSCRWBC00	0	LWG0104R003TSCRWB001	ok
9/11/2002	12 31	ORNZ83FT	7620487 12	713367 7385	CT5	CR001WB	IS	Crayfish trap	LWG01	04R002	TS	CR	WB	001		65 00	123 00			61 7						11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSCRWBC00	0	LWG0104R002TSCRWB001	ok
9/12/2002	9 50	ORNZ83FT	7616904 86	720111 6739	EFB1	SP024WB	IS	electrobackpack	LWG01	03R001	TS	SP	WB	024		38 50	141 00									2	10/8	JD/SN			LWG0103R001TSSPWB024	ok
9/12/2002	9 50	ORNZ83FT	7616904 86	720111 6739	EFB1	SP025WB	IS	electrobackpack	LWG01	03R001	TS	SP	WB	025		33 00	138 00									2	10/8	JD/SN			LWG0103R001TSSPWB025	ok
9/12/2002	10·15	ORNZ83FT	7618603 927	715463 2256	CT2	CR006WB	IS	Crayfish trap	LWG01	03R004	TS	CR	WB	006		43 00	116 00			43 0						11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSCRWBC00	0	LWG0103R004TSCRWB006	ok
9/12/2002	11·00	ORNZ83FT	7618265 483	712171 1003	CT5	CR001WB	IS	Crayfish trap	LWG01	04R004	TS	CR	WB	001		41 00	107 00			40.3						11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSCRWBC10	1	LWG0104R004TSCRWB001	ok
9/12/2002	11·00	ORNZ83FT	7618265 483	712171 1003	CT5	CR002WB	IS	Crayfish trap	LWG01	04R004	TS	CR	WB	002		27 00	103 00			26 3						11/19_2	11/20	LF/JS/SN/JC	LWG0104R004TSCRWBC20	2	LWG0104R004TSCRWB002	ok
9/12/2002	11·00	ORNZ83FT	7618265 483	712171 1003	CT5	CR003WB	IS	Crayfish trap	LWG01	04R004	TS	CR	WB	003		30.50	104 00			30						11/19_2	11/20	LF/JS/SN/JC	LWG0104R004TSCRWBC20	2	LWG0104R004TSCRWB003	ok
9/12/2002	11·00	ORNZ83FT	7618265 483	712171 1003	CT5	CR004WB	IS	Crayfish trap	LWG01	04R004	TS	CR	WB	004		41.50	103 00			40 6						11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSCRWBC10	1	LWG0104R004TSCRWB004	ok
9/12/2002	11 16	ORNZ83FT	7619709 522	712269 6124	EF1	SB008F	IS	electro	LWG01	05R006	TS	SB	F	008		290 00	270 00	259		288 9	266	255	46	63.5		11/15_1	11/27	EF/JS	LWG0105R006TSSBFLC00 and LWG0105R006TSSBFSC00	0	LWG0105R006TSSBF008	ok
9/12/2002	11 43	ORNZ83FT	7615754.536	717965 2265	EFB2	SP039WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	039		10 00	94 00									3	10/8	JD/SN	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB039	ok
9/12/2002	11 43	ORNZ83FT	7615754 536	717965 2265	EFB2	SP040WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	040		16 00	109 00									3	10/8	JD/SN	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB040	ok
9/12/2002	11 43	ORNZ83FT	7615754 536	717965.2265	EFB2	SP041WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	041		12 00	99 00									3	10/8	JD/SN	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB041	ok
9/12/2002	11 43	ORNZ83FT	7615754 536	717965.2265	EFB2	SP042WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	042		18 00	115 00									3	10/8	JD/SN	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB042	ok
9/12/2002	13 35	ORNZ83FT	7627166 179	705278 768	EF2	NP002WB	IS	electro	LWG01	07R009	TS	NP	WB	002		555 00	403 00	370													LWG0107R009TSNPWB002	ok
9/12/2002	13.35	ORNZ83FT	7627166 179	705278 768	EF2	SB010WB	IS	electro	LWG01	07R009	TS	SB	WB	010		265 00	253 00	241		261 4						11/15_3	11/27	EF/JS	LWG0107R009TSSBWBC30	3	LWG0107R009TSSBWB010	ok
9/12/2002	13 35	ORNZ83FT	7627166 179	705278 768	EF2	SB013WB	IS	electro	LWG01	07R009	TS	SB	WB	013		415 00	310 00	293		410 4						11/15_1	11/27	EF/JS	LWG0107R009TSSBWBC10	1	LWG0107R009TSSBWB013	ok
9/13/2002	8 55	ORNZ83FT	7618292 434	712113 6965	CT1	CR005WB	IS	Crayfish trap	LWG01	04R004	TS	CR	WB	005		30 50	105 00			29 8						11/19_2	11/20	LF/JS/SN/JC	LWG0104R004TSCRWBC20	2	LWG0104R004TSCRWB005	ok
9/13/2002	10·05	ORNZ83FT	7616899 788	720151 055	CT5	CR007WB	IS	Crayfish trap	LWG01	03R008	TS	CR	WB	007		65 00	128 00			68 9						11/19_1	11/20	LF/JS/SN/JC	LWG0103R008TSCRWBC00	0	LWG0103R008TSCRWB007	ok
9/13/2002	10·05	ORNZ83FT	7616899 788	720151 055	CT5	CR008WB	IS	Crayfish trap	LWG01	03R008	TS	CR	WB	008		42 50	107 00			42						11/19_1	11/20	LF/JS/SN/JC	LWG0103R008TSCRWBC00	0	LWG0103R008TSCRWB008	ok
9/13/2002	10·05	ORNZ83FT	7616899 788	720151 055	CT5	CR009WB	IS	Crayfish trap	LWG01	03R008	TS	CR	WB	009		32 00	112 00			32 1											LWG0103R008TSCRWB009	ok
9/13/2002	10·05	ORNZ83FT	7616899 788	720151 055	CT5	CR010WB	IS	Crayfish trap	LWG01	03R008	TS	CR	WB	010		35 00	105 00			34 5											LWG0103R008TSCRWB010	ok
9/13/2002	10·05	ORNZ83FT	7616899 788	720151 055	CT5	CR011WB	IS	Crayfish trap	LWG01	03R008	TS	CR	WB	011		92 00	125 00			92 9											LWG0103R008TSCRWB011	ok
9/13/2002	10·05	ORNZ83FT	7616899 788	720151 055	CT5	CR012WB	IS	Crayfish trap	LWG01	03R008	TS	CR	WB	012		70 00	122 00			87											LWG0103R008TSCRWB012	ok
9/13/2002	13.28	ORNZ83FT	7628427 578	704105 5769	EF3	SB011WB	IS	electro	LWG01	07R009	TS	SB	WB	011		690 00	354 00	333		680 8						11/15_1	11/27	EF/JS	LWG0107R009TSSBWBC10	1	LWG0107R009TSSBWB011	ok
9/13/2002	13 28	ORNZ83FT	7628427 578	704105 5769	EF3	SB012WB	IS	electro	LWG01	07R009	TS	SB	WB	012		545 00	334 00	315		540 8						11/15_2	11/27	EF/JS	LWG0107R009TSSBWBC20	2	LWG0107R009TSSBWB012	ok
9/16/2002	9 30	ORNZ83FT	7619827 861	717095 2318	TL1	BB010F	IS	Trot Line	LWG01	FZ0306	TS	BB	F	010		295 00	282 00			292 7	280	275	42 5	47 7		11/22_1	11/27/2002	EF/JS	LWG01FZ0306TSBBFLC10 and LWG01FZ0306TSBBFSC10	1	LWG01FZ0306TSBBF010	ok
9/16/2002	9 30	ORNZ83FT	7619827 861	717095 2318	TL1	YB009F	IS	Trot Line	LWG01	FZ0306	TS	YB	F	009		200 00	236 00			196 2	245	239	25 9	28 8							LWG01FZ0306TSYBF009	ok
9/16/2002	9 55	ORNZ83FT	7631843 032	697486 0363	CT2	CR002WB	IS	Crayfish trap	LWG01	08R001	TS	CR	WB	002		30 00	101 00			29 1						11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSCRWBC00	0	LWG0108R001TSCRWB002	ok
9/16/2002	9 55	ORNZ83FT	7631843 032	697486 0363	CT2	CR003WB	IS	Crayfish trap	LWG01	08R001	TS	CR	WB	003		48 00	108 00			46 4						11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSCRWBC00	0	LWG0108R001TSCRWB003	ok
9/16/2002	10·20	ORNZ83FT	7631834 988	697460 9021	EFB2	CR004WB	IS	electrobackpack	LWG01	08R001	TS	CR	WB	004		32 00	102 00									11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSCRWBC00	0	LWG0108R001TSCRWB004	ok
9/16/2002	10·20	ORNZ83FT	7631834 988	697460 9021	EFB2	SP025WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	025		17 00	108 00									11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSSPWBC00	0	LWG0108R001TSSPWB025	ok
9/16/2002	10·20	ORNZ83FT	7631834 988	697460 9021	EFB2	SP026WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	026		23 50	121 00									11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSSPWBC00	0	LWG0108R001TSSPWB026	ok
9/16/2002	10·20	ORNZ83FT	7631834 988	697460 9021	EFB2	SP027WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	027		43 00	150 00														LWG0108R001TSSPWB027	ok
9/16/2002	10·20	ORNZ83FT	7631834 988	697460 9021	EFB2	SP028WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	028		24.50	121 00									11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSSPWBC00	0	LWG0108R001TSSPWB028	ok
9/16/2002	10:20	ORNZ83FT	7631834 988	697460 9021	EFB2	SP029WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	029		25 00	122 00									11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSSPWBC00	0	LWG0108R001TSSPWB029	ok
9/16/2002	10 20	ORNZ83FT	7631834 988	697460 9021	EFB2	SP030WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	030		18 00	114 00									11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSSPWBC00	0	LWG0108R001TSSPWB030	ok
9/16/2002	10·20	ORNZ83FT	7631834 988	697460 9021	EFB2	SP031WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	031		14 00	107 00									11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSSPWBC00	0	LWG0108R001TSSPWB031	ok
9/16/2002	10·20	ORNZ83FT	7631834 988	697460 9021	EFB2	SP032WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	032		19 00	114 00									11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSSPWBC00	0	LWG0108R001TSSPWB032	ok
9/16/2002	10:20	ORNZ83FT	7631834 988	697460 9021	EFB2	SP033WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	033		10 00	95 00									11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSSPWBC00	0	LWG0108R001TSSPWB033	ok

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Table C-1 Fish Tissue Data Master Table

Date	Time	Coord type	X Easting	Y Northing	Key Day	Map Key	Sampler	Method	Site Round	Station	Matrix	Species	Tissue	Sample	Excluded Sample	FieldWt g	FieldTLgth mm	FieldFLgth mm	FieldCmnts	LabWt g	LabTLgth mm	LabFLgth mm	LabFSWt g	LabFLWt g	LabCmnts	Comp	SentToLab	Packer	Comp sample code	rep code	sample code	dup check
9/16/2002	11:45	ORNZ83FT	7620318.653	714436.2676	CT4	CR002WB	IS	Crayfish trap	LWG01	04R003	TS	CR	WB	002		65.00	122.00			71.3						11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSCRWBC00	0	LWG0104R003TSCRWB002	ok
9/16/2002	11:45	ORNZ83FT	7620318.653	714436.2676	CT4	CR003WB	IS	Crayfish trap	LWG01	04R003	TS	CR	WB	003		44.00	113.00			43.2						11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSCRWBC00	0	LWG0104R003TSCRWB003	ok
9/16/2002	11:45	ORNZ83FT	7620318.653	714436.2676	CT4	CR004WB	IS	Crayfish trap	LWG01	04R003	TS	CR	WB	004		70.00	121.00			65.6						11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSCRWBC00	0	LWG0104R003TSCRWB004	ok
9/16/2002	11:45	ORNZ83FT	7620318.653	714436.2676	CT4	CR005WB	IS	Crayfish trap	LWG01	04R003	TS	CR	WB	005		56.00	118.00			52.9						11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSCRWBC00	0	LWG0104R003TSCRWB005	ok
9/16/2002	11:45	ORNZ83FT	7620318.653	714436.2676	CT4	CR006WB	IS	Crayfish trap	LWG01	04R003	TS	CR	WB	006		36.00	110.00			35.1						11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSCRWBC00	0	LWG0104R003TSCRWB006	ok
9/16/2002	11:45	ORNZ83FT	7620318.653	714436.2676	CT4	CR007WB	IS	Crayfish trap	LWG01	04R003	TS	CR	WB	007		34.00	103.00			34						11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSCRWBC00	0	LWG0104R003TSCRWB007	ok
9/16/2002	11:45	ORNZ83FT	7620318.653	714436.2676	CT4	CR008WB	IS	Crayfish trap	LWG01	04R003	TS	CR	WB	008		29.50	100.00			28.3						11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSCRWBC00	0	LWG0104R003TSCRWB008	ok
9/16/2002	12:05	ORNZ83FT	7618540.835	715542.5136	CT5	CR007WB	IS	Crayfish trap	LWG01	03R004	TS	CR	WB	007		31.50	100.00			29.9											LWG0103R004TSCRWB007	ok
9/16/2002	12:10	ORNZ83FT	7627278.11	705676.5681	EF3	NP003WB	IS	electro	LWG01	07R009	TS	NP	WB	003		445.00	374.00	340													LWG0107R009TSNPWB003	ok
9/16/2002	12:32	ORNZ83FT	7626335.429	704152.8301	EF4	SB014WB	IS	electro	LWG01	07R009	TS	SB	WB	014		520.00	330.00	313		517.6						11/15_3	11/27	EF/JS	LWG0107R009TSSBWBC30	3	LWG0107R009TSSBWB014	ok
9/16/2002	12:32	ORNZ83FT	7626335.429	704152.8301	EF4	SB015WB	IS	electro	LWG01	07R009	TS	SB	WB	015		265.00	265.00	254		263.5						11/15_1	11/27	EF/JS	LWG0107R009TSSBWBC10	1	LWG0107R009TSSBWB015	ok
9/16/2002	14:25	ORNZ83FT	7616908.427	720055.2472	EFB4	SP026WB	IS	electrobackpack	LWG01	03R001	TS	SP	WB	026	Unusable	9.50	94.00														LWG0103R001TSSPWB026	ok
9/17/2002	9:11	ORNZ83FT	7619937.654	717079.1798	TL1	SP001WB	IS	Trot Line	LWG01	03R005	TS	SP	WB	001		90.00	191.00														LWG0103R005TSSPWB001	ok
9/17/2002	9:50	ORNZ83FT	7616888.278	720144.1025	EFB1	SP027WB	IS	electrobackpack	LWG01	03R001	TS	SP	WB	027		14.50	104.00									2	10/8	JD/SN			LWG0103R001TSSPWB027	ok
9/17/2002	9:50	ORNZ83FT	7616888.278	720144.1025	EFB1	SP028WB	IS	electrobackpack	LWG01	03R001	TS	SP	WB	028		23.00	122.00									2	10/8	JD/SN			LWG0103R001TSSPWB028	ok
9/17/2002	9:50	ORNZ83FT	7616888.278	720144.1025	EFB1	SP029WB	IS	electrobackpack	LWG01	03R001	TS	SP	WB	029		20.00	110.00									2	10/8	JD/SN			LWG0103R001TSSPWB029	ok
9/17/2002	10:40	ORNZ83FT	7615793.764	717936.7904	EFB2	SP043WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	043		11.00	96.00									3	10/8	JD/SN	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB043	ok
9/17/2002	10:40	ORNZ83FT	7615793.764	717936.7904	EFB2	SP044WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	044		21.00	120.00									3	10/8	JD/SN	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB044	ok
9/17/2002	10:40	ORNZ83FT	7615793.764	717936.7904	EFB2	SP045WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	045		14.50	108.00									3	10/8	JD/SN	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB045	ok
9/17/2002	10:40	ORNZ83FT	7615793.764	717936.7904	EFB2	SP046WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	046		18.50	117.00									3	10/8	JD/SN	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB046	ok
9/17/2002	10:40	ORNZ83FT	7615793.764	717936.7904	EFB2	SP047WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	047		22.00	116.00									3	10/8	JD/SN	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB047	ok
9/17/2002	10:40	ORNZ83FT	7615793.764	717936.7904	EFB2	SP048WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	048		14.00	101.00									3	10/8	JD/SN	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB048	ok
9/17/2002	10:40	ORNZ83FT	7615793.764	717936.7904	EFB2	SP049WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	049		19.50	118.00									3	10/8	JD/SN	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB049	ok
9/17/2002	10:40	ORNZ83FT	7615793.764	717936.7904	EFB2	SP050WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	050		14.00	102.00									3	10/8	JD/SN	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB050	ok
9/17/2002	10:40	ORNZ83FT	7615793.764	717936.7904	EFB2	SP051WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	051		13.00	106.00									3	10/8	JD/SN	LWG0103R002TSSPWBC10	1	LWG0103R002TSSPWB051	ok
9/17/2002	11:30	ORNZ83FT	7618242.694	712206.7888	CT2	CR006WB	IS	Crayfish trap	LWG01	04R004	TS	CR	WB	006		31.50	103.00			30.2						11/19_2	11/20	LF/JS/SN/JC	LWG0104R004TSCRWBC20	2	LWG0104R004TSCRWB006	ok
9/17/2002	11:30	ORNZ83FT	7618242.694	712206.7888	CT2	CR007WB	IS	Crayfish trap	LWG01	04R004	TS	CR	WB	007		52.50	124.00			50.7						11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSCRWBC10	1	LWG0104R004TSCRWB007	ok
9/17/2002	12:05	ORNZ83FT	7618227.853	712179.9478	EFB4	SP005WB	IS	electrobackpack	LWG01	04R004	TS	SP	WB	005		16.00	102.00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSSPWBC00	0	LWG0104R004TSSPWB005	ok
9/17/2002	12:05	ORNZ83FT	7618227.853	712179.9478	EFB4	SP006WB	IS	electrobackpack	LWG01	04R004	TS	SP	WB	006		14.50	105.00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSSPWBC00	0	LWG0104R004TSSPWB006	ok
9/17/2002	12:05	ORNZ83FT	7618227.853	712179.9478	EFB4	SP007WB	IS	electrobackpack	LWG01	04R004	TS	SP	WB	007		14.00	107.00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSSPWBC00	0	LWG0104R004TSSPWB007	ok
9/17/2002	12:05	ORNZ83FT	7618227.853	712179.9478	EFB4	SP008WB	IS	electrobackpack	LWG01	04R004	TS	SP	WB	008		9.50	93.00														LWG0104R004TSSPWB008	ok
9/17/2002	12:25	ORNZ83FT	7622688.675	706217.3609	CT3	CR007WB	IS	Crayfish trap	LWG01	06R001	TS	CR	WB	007		31.50	104.00			29.4						11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSCRWBC00	0	LWG0106R001TSCRWB007	ok
9/17/2002	12:55	ORNZ83FT	7630598.886	699262.1327	CT4	CR003WB	IS	Crayfish trap	LWG01	08R002	TS	CR	WB	003		32.50	100.00			30.6						11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSCRWBC00	0	LWG0108R002TSCRWB003	ok
9/17/2002	12:55	ORNZ83FT	7630598.886	699262.1327	CT4	CR004WB	IS	Crayfish trap	LWG01	08R002	TS	CR	WB	004		39.50	104.00			38						11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSCRWBC00	0	LWG0108R002TSCRWB004	ok
9/17/2002	13:14	ORNZ83FT	7631754.872	697735.1897	EF2	SB007F	IS	electro	LWG01	08R032	TS	SB	F	007		310.00	274.00	261		308.2	270	258	44	65		11/15_1	11/27	EF/JS	LWG0108R032TSSBFLC00 and LWG0108R032TSSBFSC00	0	LWG0108R032TSSBF007	ok
9/17/2002	13:14	ORNZ83FT	7631754.872	697735.1897	EF2	SB008F	IS	electro	LWG01	08R032	TS	SB	F	008		295.00	273.00	260		293	266	256	48.7	63.6		11/15_1	11/27	EF/JS	LWG0108R032TSSBFLC00 and LWG0108R032TSSBFSC00	0	LWG0108R032TSSBF008	ok
9/17/2002	13:14	ORNZ83FT	7631754.872	697735.1897	EF2	SB009F	IS	electro	LWG01	08R032	TS	SB	F	009		250.00	255.00	241		248.4	263	248	29.1	54.1		11/15_1	11/27	EF/JS	LWG0108R032TSSBFLC00 and LWG0108R032TSSBFSC00	0	LWG0108R032TSSBF009	ok
9/17/2002	13:15	ORNZ83FT	7631890.702	697609.4198	CT5	CR005WB	IS	Crayfish trap	LWG01	08R001	TS	CR	WB	005		45.50	118.00			43.9						11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSCRWBC00	0	LWG0108R001TSCRWB005	ok
9/17/2002	13:28	ORNZ83FT	7631905.021	697534.6746	EF3	SP039WB	IS	electro	LWG01	08R001	TS	SP	WB	039		25.50	131.00									11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSSPWBC00	0	LWG0108R001TSSPWB039	ok
9/17/2002	14:10	ORNZ83FT	7630175.08	702496.3715	EF4	SB010F	IS	electro	LWG01	08R032	TS	SB	F	010		270.00	262.00	249		269	258	245	41.1	58.7		11/15_1	11/27	EF/JS	LWG0108R032TSSBFLC00 and LWG0108R032TSSBFSC00	0	LWG0108R032TSSBF010	ok
9/17/2002	14:10	ORNZ83FT	7637239.1	693847.7234	EFB5	SP022WB	IS	electrobackpack	LWG01	09R002	TS	SP	WB	022		23.00	119.00									6	10/8	JD/SN			LWG0109R002TSSPWB022	ok
9/17/2002	14:10	ORNZ83FT	7637239.1	693847.7234	EFB5	SP023WB	IS	electrobackpack	LWG01	09R002	TS	SP	WB	023		17.00	107.00									6	10/8	JD/SN			LWG0109R002TSSPWB023	ok
9/17/2002	14:10	ORNZ83FT	7637239.1	693847.7234	EFB5	SP024WB	IS	electrobackpack	LWG01	09R002	TS	SP	WB	024		20.50	118.00									6	10/8	JD/SN			LWG0109R002TSSPWB024	ok
9/17/2002	14:10	ORNZ83FT	7637239.1	693847.7234	EFB5	SP025WB	IS	electrobackpack	LWG01	09R002	TS	SP	WB	025		20.00	118.00									6	10/8	JD/SN			LWG0109R002TSSPWB025	ok
9/17/2002	14:10	ORNZ83FT	7637239.1	693847.7234	EFB5	SP026WB	IS	electrobackpack	LWG01	09R002	TS	SP	WB	026		15.00	105.00									6	10/8	JD/SN			LWG0109R002TSSPWB026	ok
9/17/2002	14:10	ORNZ83FT	7637239.1	693847.7234	EFB5	SP027WB	IS	electrobackpack	LWG01	09R002	TS	SP	WB	027		17.00	114.00									6	10/8	JD/SN			LWG0109R002TSSPWB027	ok
9/17/2002	14:10	ORNZ83FT	7637239.1	693847.7234	EFB5	SP028WB	IS	electrobackpack	LWG01	09R002	TS	SP	WB	028		12.50	100.00														LWG0109R002TSSPWB028	ok
9/17/2002	14:10	ORNZ83FT	7637239.1	693847.7234	EFB5	CR001WB	IS	electrobackpack	LWG01	09R003	TS	CR	WB	001		25.00	100.00			23.5											LWG0109R003TSCRWB001	ok
9/18/2002	7:47	ORNZ83FT	7619937.459	717053.5151	TL1	SP002WB	IS	Trot Line	LWG01	03R005	TS	SP	WB	002		50.50	153.00														LWG0103R005TSSPWB002	ok
9/18/2002	7:47	ORNZ83FT	7619937.459	717053.5151	TL1	BB012F	IS	Trot Line	LWG01	FZ0306	TS	BB	F	012		355.00	290.00			328.2	289	286	49	51.5		11/22_3	11/27/2002	EF/JS	LWG01FZ0306TSBBFLC30 and LWG01FZ0306TSBBFSC30	3	LWG01FZ0306TSBBF012	ok
9/18/2002	7:47	ORNZ83FT	7619937.459	717053.5151	TL1	YB011F	IS	Trot Line	LWG01	FZ0306	TS	YB	F	011		265.00	254.00			240.2	253	253	34.2	39.5							LWG01FZ0306TSYBF011	ok
9/18/2002	9:13	ORNZ83FT	7618246.334	712208.1499	CT2	CR008WB	IS	Crayfish trap	LWG01	04R004	TS	CR	WB	008		37.00	103.00			35.9						11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSCRWBC10	1	LWG0104R004TSCRWB008	ok
9/18/2002	9:45	ORNZ83FT	7618242.936	712148.6571	EFB1	SP009WB	IS	electrobackpack	LWG01	04R004	TS	SP	WB	009		9.00	91.00														LWG0104R004TSSPWB009	ok
9/18/2002	10:30	ORNZ83FT	7622682.901	706189.7099	EFB2	SP012WB	IS	electrobackpack	LWG01	06R001	TS	SP	WB	012		29.50	134.00														LWG0106R001TSSPWB012	ok
9/18/2002	10:30	ORNZ83FT	7622682.901	706189.7099	EFB2	SP013WB	IS	electrobackpack	LWG01	06R001	TS	SP	WB	013		19.50	114.00														LWG0106R001TSSPWB013	ok
9/18/2002	10:30	ORNZ83FT	7622682.901	706189.7099	EFB2	SP014WB	IS	electrobackpack	LWG01	06R001	TS	SP	WB	014		27.00	126.00														LWG0106R001TSSPWB014	ok
9/18/2002	10:30	ORNZ83FT	7622682.901	706189.7099	EFB2	SP015WB	IS	electrobackpack	LWG01	06R001	TS	SP	WB	015		15.00	107.00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSSPWBC00	0	LWG0106R001TSSPWB015	ok
9/18/2002	10:30	ORNZ83FT	7622682.901	706189.7099	EFB2	SP016WB	IS	electrobackpack	LWG01	06R001	TS	SP	WB	016		14.00	105.00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSSPWBC00	0	LWG0106R001TSSPWB016	ok
9/18/2002	10:30	ORNZ83FT	7622682.901	706189.7099	EFB2	SP017WB	IS	electrobackpack	LWG01	06R001	TS	SP	WB	017		19.50	111.00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSSPWBC00	0	LWG0106R001TSSPWB017	ok
9/18/2002	11:10	ORNZ83FT	7630599.147	699250.9038	CT4	CR005WB	IS	Crayfish trap	LWG01	08R002	TS	CR	WB	005		37.00	104.00			35.7						11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSCRWBC00	0	LWG0108R002TSCRWB005	ok
9/18/2002	11:10	ORNZ83FT	7630599.147	699250.9038	CT4	CR006WB	IS	Crayfish trap	LWG01	08R002	TS	CR	WB	006		29.00	102.00			27.5											LWG0108R002TSCRWB006	ok
9/18/2002	11:10	ORNZ83FT	7630599.147	699250.9038	CT4	CR007WB	IS	Crayfish trap	LWG01	08R002	TS	CR	WB	007		44.00	109.00			42.1						11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSCRWBC00	0	LWG0108R002TSCRWB007	ok
9/18/2002	13:40	ORNZ83FT	7632712.836	701849.0664	EF1	SB008WB	IS	electro	LWG01	08R010	TS	SB	WB	008		205.00	250.00	236		212.5						11/15_2	11/27	EF/JS	LWG0108R010TSSBWBC20	2	LWG0108R010TSSBWB008	ok
9/18/2002	15:35	ORNZ83FT	7631857.391	697472.9799	EFB4	SP034WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	034		24.50	122.00									11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSSPWBC00	0	LWG0108R001TSSPWB034	ok
9/18/2002	15:35	ORNZ83FT	7631857.391	697472.9799	EFB4	SP035WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	035		26.50	134.00									11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSSPWBC00	0	LWG0108R001TSSPWB035	ok
9/18/2002	15:35	ORNZ83FT	7631857.391	697472.9799	EFB4	SP036WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	036		15.00	107.00									11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSSPWBC00	0	LWG0108R001TSSPWB036	ok
9/18/2002	15:35	ORNZ83FT	7631857.391	697472.9799	EFB4	SP037WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	037		13.00	103.00														LWG0108R001TSSPWB037	ok
9/18/2002	15:35	ORNZ83FT	7631857.391	697472.9799	EFB4	SP038WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	038		10.00	96.00														LWG0108R001TSSPWB038	ok
9/19/2002	12:05	ORNZ83FT	7622642.741	706240.959	CT3	CR008WB	IS	Crayfish trap	LWG01	06R001	TS	CR	WB	008		39.50	103.00			38.9						11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSCRWBC00	0	LWG0106R001TSCRWB008	ok
9/19/2002	14:14	ORNZ83FT	7633641.989	701679.9704	EF7	SB009WB	IS	electro	LWG01	08R010	TS	SB	WB	009		210.00	253.00			215.3						11/15_2	11/27	EF/JS	LWG0108R010TSSBWBC20	2	LWG0108R010TSSBWB009	ok
9/19/2002	18:00	ORNZ83FT	7626519.361	704242.7865	ANG1	BC001F	IS	Angling	LWG01	FZ0609	TS	BC	F	001		280.00	261.00	248		291	257	251	46.7	67.3		12/03_1	12/11	LF/JS/JC	LWG01FZ0609TSBCFLC10 and LWG01FZ0609TSBCFSC10	1	LWG01FZ0609TSBCF001	ok
9/19/2002	18:00	ORNZ83FT	7626519.361	704242.7865	ANG1	BC002F	IS	Angling	LWG01	FZ0609	TS	BC	F	002		165.00	226.00	214		169	224	216	25.3	37.4		12/03_2	12/11	LF/JS/JC	LWG01FZ0609TSBCFLC20 and LWG01FZ0609TSBCFSC20	2	LWG01FZ0609TSBCF002	ok
9/20/2002	10:05	ORNZ83FT	7637231.753	693844.5124	TL1	YB004F	IS	Trot Line	LWG01	FZ0609	TS	YB	F	004		215.00	234.00			221.3	238	236	28	31.3							LWG01FZ0609TSYBF004	ok
9/20/2002	10:36	ORNZ83FT	7636451.207	699400.5078	TL2	BB005F	IS	Trot Line	LWG01	FZ0609	TS	BB	F	005		240.00	261.00			242.7	259	252	33.1	31.7		11/22_3	11/27/2002	EF/JS	LWG01FZ0609TSBBFLC30 and LWG01FZ0609TSBBFSC30	3	LWG01FZ0609TSBBF005	ok
9/20/2002	10:36	ORNZ83FT	7636451.207	699400.5078	TL2	BC003F	IS	Trot Line	LWG01	FZ0609	TS	BC	F	003		150.00	221.00	209		157.1	219	205	30.5	36.8							LWG01FZ0609TSBCF003	ok
9/20/2002	10:55	ORNZ83FT	7618242.694	712206.7888	CT4	CR009WB	IS	Crayfish trap	LWG01	04R004	TS	CR	WB	009		31.00	102.00			30.5						11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSCRWBC10	1	LWG0104R004TSCRWB009	ok
9/20/2002	10:55	ORNZ83FT	7618242.694	712206.7888	CT4	CR010WB	IS	Crayfish trap	LWG01	04R004	TS	CR	WB	010		30.50	100.00			30.2						11/19_2	11/20	LF/JS/SN/JC	LWG0104R004TSCRWBC20	2	LWG0104R004TSCRWB010	ok
9/20/2002	11:22	ORNZ83FT	7622394.932	706532.3464	TL5	SP018WB	IS	Trot Line	LWG01	06R001	TS	SP	WB	018		27.00	126.00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSSPWBC00	0	LWG0106R001TSSPWB018	ok
9/20/2002	11:22	ORNZ83FT	7622394.932	706532.3464	TL5	BB006F	IS	Trot Line	LWG01	FZ0609	TS	BB	F	006		210.00	273.00			221.3	238	236	29.7	37.1		11/22_3	11/27/2002	EF/JS	LWG01FZ0609TSBBFLC30 and LWG01FZ0609TSBBFSC30	3	LWG01FZ0609TSBBF006	ok
9/20/2002	11:22	ORNZ83FT	7622394.932	706532.3464	TL5	BB007F	IS	Trot Line	LWG01	FZ0609	TS	BB	F	007		190.00	250.00			192.7	253	249	29	35.5		11/22_1	11/27/2002	EF/JS	LWG01FZ0609TSBBFLC10 and LWG01FZ0609TSBBFSC10	1	LWG01FZ0609TSBBF007	ok
9/23/2002	12:26	ORNZ83FT	7618152.6690	712477.5306	TL1	BB013WB	IS	Trot Line	LWG01	FZ0306	TS	BB	WB	013		240.00	271.00			240.1						11/22_3	11/27/2002	EF/JS	LWG01FZ0306TSBBWBC30	3	LWG01FZ0306TSBBWB013	ok
9/23/2002	14:43	ORNZ83FT	7637236.2509	693864.9528	TL5	YB008F	IS	Trot Line	LWG01	FZ0609	TS	YB	F	008		190.00	238.00			187.3	233	233	29.9	28.8							LWG01FZ0609TSYBF008	ok
9/23/2002	15:04	ORNZ83FT	7636362.4406	699458.6243	TL6	BB009F	IS	Trot Line	LWG01	FZ0609	TS	BB	F	009		190.00	224.00			183.9	231	226	25	23.8		ARCHIVE					LWG01FZ0609TSBBF009	ok
9/23/2002	17:30	ORNZ83FT	7630547.7092	699300.5333	CT1	CR008WB	IS	Crayfish trap	LWG01	08R002	TS	CR	WB	008		36.00	105.00			35.7						11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSCRWBC00	0	LWG0108R002TSCRWB008	ok
9/23/2002	18:10	ORNZ83FT	7637535.9835	694169.9131	CT3	CR002WB	IS	Crayfish trap	LWG01	09R003	TS	CR	WB	002		24.00	94.00			24											LWG0109R003TSCRWB002	ok
9/24/2002	11:25	ORNZ83FT	7618108.9136	712478.8564	TL1	BB014WB	TS	Trot Line	LWG01	FZ0306	TS	BB	WB	014		160.00	230.00			158.3						11/22_2	11/27/2002	EF/JS	LWG01FZ0306TSBBWBC20	2	LWG01FZ0306TSBBWB014	ok
9/24/2002	11:25	ORNZ83FT	7618108.9136	712478.8564	TL1	BB015WB	TS	Trot Line	LWG01	FZ0306	TS	BB	WB	015		230.00	268.00			223.8						11/22_1	11/27/2002	EF/JS	LWG01FZ0306TSBBWBC10	1	LWG01FZ0306TSBBWB015	ok
9/24/2002	11:25	ORNZ83FT	7618108.9136	712478.8564	TL1	BB016WB	TS	Trot Line	LWG01	FZ0306	TS	BB	WB	016		300.00	275.00			293.8						11/22_2	11/27/2002	EF/JS	LWG01FZ0306TSBBWBC20	2	LWG01FZ0306TSBBWB016	ok
9/24/2002	11:46	ORNZ83FT	7622425.2254	706543.6450	TL2	NP005WB	TS	Trot Line	LWG01	05R006	TS	NP	WB	005		210.00	284.00	258													LWG0105R006TSNPWB005	ok
9/24/2002	11:56	ORNZ83FT	7630309.5251	702397.0184	TL3	NP004WB	TS	Trot Line	LWG01	07R009	TS	NP	WB	004		415.00	358.00	325													LWG0107R009TSNPWB004	ok
9/24/2002	13:51	ORNZ83FT	7632500.1745	701776.4939	EF6	NP002WB	TS	electro	LWG01	08R010	TS	NP	WB	002		290.00	317.00	290													LWG0108R010TSNPWB002	ok
9/24/2002	13:57	ORNZ83FT	7620977.7107	710436.3630	CT2	CR001WB	TS	Crayfish trap	LWG01	05R001	TS	CR	WB	001		49.00	118.00			48.5						11/19_1	11/20	LF/JS/SN/JC	LWG0105R001TSCRWBC00	0	LWG0105R001TSCRWB001	ok
9/24/2002	13:57	ORNZ83FT	7620977.7107	710436.3630	CT2	CR002WB	TS	Crayfish trap	LWG01	05R001	TS	CR	WB	002		28.00	100.00			27.9											LWG0105R001TSCRWB002	ok
9/24/2002	13:57	ORNZ83FT	7620977.7107	710436.3630	CT2	CR003WB	TS	Crayfish trap	LWG01	05R001	TS	CR	WB	003		39.00	111.00			38.8						11/19_1	11/20	LF/JS/SN/JC	LWG0105R001TSCRWBC00	0	LWG0105R001TSCRWB003	ok
9/24/2002	14:49	ORNZ83FT	7631949.6911	697478.7494	EF7	SB005F	TS	electro	LWG01	09R006	TS	SB	F	005		280.00	266.00	254		275.4	260	250	44.1	54.9		11/15_1	11/27	EF/JS	LWG0109R006TSSBFLC00 and LWG0109R006TSSBFSC00	0	LWG0109R006TSSBF005	ok
9/24/2002	14:50	ORNZ83FT	7622631.0926	706188.8933	CT3	CR009WB	TS	Crayfish trap	LWG01	06R001	TS	CR	WB	009		18.80	92.00			18.3											LWG0106R001TSCRWB009	ok
9/24/2002	15:29	ORNZ83FT	7632707.0119	697031.3082	EF10	SB006F	TS	electro	LWG01	09R006	TS	SB	F	006		250.00	254.00	242		242.5	257	242	37.2	50.4		11/15_1	11/27	EF/JS	LWG0109R006TSSBFLC00 and LWG0109R006TSSBFSC00	0	LWG0109R006TSSBF006	ok
9/24/2002	16:05	ORNZ83FT	7630240.2509	699670.6752	CT4	CR009WB	TS	Crayfish trap	LWG01	08R002	TS	CR	WB	009		30.00	94.00			29.3											LWG0108R002TSCRWB009	ok
9/25/2002	11:18	ORNZ83FT	7619994.5778	717048.5591	TL2	BB023WB	TS	Trot Line	LWG01	FZ0306	TS	BB	WB	023		155.00	221.00			156.6						11/22_3	11/27/2002	EF/JS	LWG01FZ0306TSBBWBC30	3	LWG01FZ0306TSBBWB023	ok
9/25/2002	11:49	ORNZ83FT	7618133.5492	712449.6592	TL4	BB017WB	TS	Trot Line	LWG01	FZ0306	TS	BB	WB	017		220.00	270.00			222						11/22_1	11/27/2002	EF/JS	LWG01FZ0306TSBBWBC10	1	LWG01FZ0306TSBBWB017	ok
9/25/2002	11:49	ORNZ83FT	7618133.5492	712449.6592	TL4	BB018WB	TS	Trot Line	LWG01	FZ0306	TS	BB	WB	018		240.00	266.00			235.6						11/22_1	11/27/2002	EF/JS	LWG01FZ0306TSBBWBC10	1	LWG01FZ0306TSBBWB018	ok
9/25/2002	11:49	ORNZ83FT	7618133.5492	712449.6592	TL4	BB019WB	TS	Trot Line	LWG01	FZ0306	TS	BB	WB	019		310.00	290.00			296.7						11/22_2	11/27/2002	EF/JS	LWG01FZ0306TSBBWBC20	2	LWG01FZ0306TSBBWB019	ok
9/25/2002	11:49	ORNZ83FT	7618133.5492	712449.6592	TL4	BB020WB	TS	Trot Line	LWG01	FZ0306	TS	BB	WB	020		310.00	285.00			305.3						11/22_3	11/27/2002	EF/JS	LWG01FZ0306TSBBWBC30	3	LWG01FZ0306TSBBWB020	ok
9/25/2002	11:49	ORNZ83FT	7618133.5492	712449.6592	TL4	BB021WB	TS	Trot Line	LWG01	FZ0306	TS	BB	WB	021		280.00	285.00			271.4						11/22_2	11/27/2002	EF/JS	LWG01FZ0306TSBBWBC20	2	LWG01FZ0306TSBBWB021	ok

Table C-1 Fish Tissue Data Master Table

Date	Time	Coord type	X Easting	Y Northing	Key Day	Map Key	Sampler	Method	Site Round	Station	Matrix	Species	Tissue	Sample	Excluded Sample	FieldWt g	FieldTLgth mm	FieldFLgth mm	FieldCmnts	LabWt g	LabTLgth mm	LabFLgth mm	LabFSWt g	LabFLWt g	LabCmnts	Comp	SentToLab	Packer	Comp_sample_code	rep_code	sample_code	dup_check
9/25/2002	11 56	ORNZ83FT	7618113 6294	712405 0960	TL5	BB022WB	TS	Trot Line	LWG01	FZ0306	TS	BB	WB	022		305 00	284 00			299 9						11/22_3	11/27/2002	EF/JS	LWG01FZ0306TSBBWBC30	3	LWG01FZ0306TSBBWB022	ok
9/25/2002	12 21	ORNZ83FT	7620503 7646	713307 6271	EB1	SP007WB	TS	electrobackpack	LWG01	04R002	TS	SP	WB	007		18 50	111 00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB007	ok
9/25/2002	12 21	ORNZ83FT	7620503 7646	713307 6271	EB1	SP008WB	TS	electrobackpack	LWG01	04R002	TS	SP	WB	008		9 00	91 00														LWG0104R002TSSPWB008	ok
9/25/2002	13 10	ORNZ83FT	7618227 853	712179 9478	EB2	SP010WB	TS	electrobackpack	LWG01	04R004	TS	SP	WB	010		45.50	152 00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSSPWBC00	0	LWG0104R004TSSPWB010	ok
9/25/2002	13 10	ORNZ83FT	7618227 853	712179 9478	EB2	SP011WB	TS	electrobackpack	LWG01	04R004	TS	SP	WB	011		19 00	115 00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSSPWBC00	0	LWG0104R004TSSPWB011	ok
9/25/2002	13 10	ORNZ83FT	7618227 853	712179 9478	EB2	SP012WB	TS	electrobackpack	LWG01	04R004	TS	SP	WB	012		11 00	96.00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSSPWBC00	0	LWG0104R004TSSPWB012	ok
9/25/2002	14 25	ORNZ83FT	7630240 2509	699670 6752	EB3	SP015WB	TS	electrobackpack	LWG01	08R002	TS	SP	WB	015		8 00	90 00														LWG0108R002TSSPWB015	ok
9/25/2002	14 25	ORNZ83FT	7630240.2509	699670 6752	EB3	SP016WB	TS	electrobackpack	LWG01	08R002	TS	SP	WB	016		14 00	106 00									11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB016	ok
9/25/2002	14 25	ORNZ83FT	7630240.2509	699670 6752	EB3	SP017WB	TS	electrobackpack	LWG01	08R002	TS	SP	WB	017		16 00	112 00									11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB017	ok
9/25/2002	14.25	ORNZ83FT	7630240 2509	699670 6752	EB3	SP018WB	TS	electrobackpack	LWG01	08R002	TS	SP	WB	018		11.50	99 00									11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB018	ok
9/25/2002	15·00	ORNZ83FT	7630159 5123	699773 6189	CT1	CR010WB	TS	Crayfish trap	LWG01	08R002	TS	CR	WB	010		24 00	90 00			23											LWG0108R002TSCRWB010	ok
9/25/2002	16 50	ORNZ83FT	7622626 9215	706157 1821	CT4	CR010WB	TS	Crayfish trap	LWG01	06R001	TS	CR	WB	010		36 00	110 00			35 7						11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSCRWBC00	0	LWG0106R001TSCRWB010	ok
9/25/2002	17 42	ORNZ83FT	7621009 0669	710426 9852	CT5	CR004WB	TS	Crayfish trap	LWG01	05R001	TS	CR	WB	004		28 50	101 00			28.3											LWG0105R001TSCRWB004	ok
9/25/2002	17 42	ORNZ83FT	7621009 0669	710426 9852	CT5	CR005WB	TS	Crayfish trap	LWG01	05R001	TS	CR	WB	005		33 00	97 00			32.3											LWG0105R001TSCRWB005	ok
9/25/2002	17 42	ORNZ83FT	7621009 0669	710426 9852	CT5	CR006WB	TS	Crayfish trap	LWG01	05R001	TS	CR	WB	006		31 00	109 00			28 4											LWG0105R001TSCRWB006	ok
9/25/2002	17 42	ORNZ83FT	7621009 0669	710426 9852	CT5	CR007WB	TS	Crayfish trap	LWG01	05R001	TS	CR	WB	007		50 00	118 00			48 9						11/19_1	11/20	LF/JS/SN/JC	LWG0105R001TSCRWBC00	0	LWG0105R001TSCRWB007	ok
9/25/2002	17 42	ORNZ83FT	7621009 0669	710426.9852	CT5	CR008WB	TS	Crayfish trap	LWG01	05R001	TS	CR	WB	008		34 00	109 00			33 7						11/19_1	11/20	LF/JS/SN/JC	LWG0105R001TSCRWBC00	0	LWG0105R001TSCRWB008	ok
9/26/2002	11·02	ORNZ83FT	7620422 0334	714520 6031	EB1	SP023WB	TS	electrobackpack	LWG01	04R003	TS	SP	WB	023		75 00	167 00														LWG0104R003TSSPWB023	ok
9/26/2002	11 02	ORNZ83FT	7620422 0334	714520 6031	EB1	SP024WB	TS	electrobackpack	LWG01	04R003	TS	SP	WB	024		80 00	175 00														LWG0104R003TSSPWB024	ok
9/26/2002	11 02	ORNZ83FT	7620422 0334	714520 6031	EB1	SP025WB	TS	electrobackpack	LWG01	04R003	TS	SP	WB	025		14.50	106 00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSSPWBC00	0	LWG0104R003TSSPWB025	ok
9/26/2002	11·02	ORNZ83FT	7620422 0334	714520 6031	EB1	SP026WB	TS	electrobackpack	LWG01	04R003	TS	SP	WB	026		9 00	90 00														LWG0104R003TSSPWB026	ok
9/26/2002	11·02	ORNZ83FT	7620422 0334	714520 6031	EB1	SP027WB	TS	electrobackpack	LWG01	04R003	TS	SP	WB	027		9.50	95 00														LWG0104R003TSSPWB027	ok
9/26/2002	11·02	ORNZ83FT	7620422 0334	714520 6031	EB1	SP028WB	TS	electrobackpack	LWG01	04R003	TS	SP	WB	028		10 50	98 00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSSPWBC00	0	LWG0104R003TSSPWB028	ok
9/26/2002	11 10	ORNZ83FT	7619942.5293	717249.3195	TL1	BB025WB	TS	Trot Line	LWG01	FZ0306	TS	BB	WB	025		260 00	260 00			258 7						11/22_2	11/27/2002	EF/JS	LWG01FZ0306TSBBWBC20	2	LWG01FZ0306TSBBWB025	ok
9/26/2002	11 10	ORNZ83FT	7619942 5293	717249.3195	TL1	YB024WB	TS	Trot Line	LWG01	FZ0306	TS	YB	WB	024		180 00	234 00			258 7											LWG01FZ0306TSYBWB024	ok
9/26/2002	11 27	ORNZ83FT	7619916 9143	717044 3276	TL2	SP003WB	TS	Trot Line	LWG01	03R005	TS	SP	WB	003	Unusable	42.50	155 00								Frozen with hook. Unable to remove Discarded sample on 9/27/02						LWG0103R005TSSPWB003	ok
9/26/2002	12 15	ORNZ83FT	7618127 5132	712389 4775	TL6	BB026F	TS	Trot Line	LWG01	FZ0306	TS	BB	F	026		345 00	295 00			333 6	297	291	52 7	62 6		11/22_2	11/27/2002	EF/JS	LWG01FZ0306TSBBFLC20 and LWG01FZ0306TSBBFSC20	2	LWG01FZ0306TSBBF026	ok
9/26/2002	12 30	ORNZ83FT	7620477 1355	713249 5799	EB2	SP009WB	TS	electrobackpack	LWG01	04R002	TS	SP	WB	009		8 50	92 00														LWG0104R002TSSPWB009	ok
9/26/2002	12.30	ORNZ83FT	7620477 1355	713249.5799	EB2	SP010WB	TS	electrobackpack	LWG01	04R002	TS	SP	WB	010		21 00	117 00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB010	ok
9/26/2002	12.30	ORNZ83FT	7620477 1355	713249.5799	EB2	SP011WB	TS	electrobackpack	LWG01	04R002	TS	SP	WB	011		11 00	102 00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB011	ok
9/26/2002	13 50	ORNZ83FT	7626306 1977	704150 1949	EB3	SP001WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	001		16 00	110 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB001	ok
9/26/2002	13 50	ORNZ83FT	7626306 1977	704150 1949	EB3	SP002WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	002		21 50	119 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB002	ok
9/26/2002	13.50	ORNZ83FT	7626306 1977	704150 1949	EB3	SP003WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	003		15 00	117 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB003	ok
9/26/2002	13.50	ORNZ83FT	7626306 1977	704150 1949	EB3	SP004WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	004		8 00	91 00														LWG0106R004TSSPWB004	ok
9/26/2002	13.50	ORNZ83FT	7626306 1977	704150 1949	EB3	SP005WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	005		25 50	133 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB005	ok
9/26/2002	13 50	ORNZ83FT	7626306 1977	704150 1949	EB3	SP006WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	006		13 00	107 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB006	ok
9/26/2002	13 50	ORNZ83FT	7626306 1977	704150 1949	EB3	SP007WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	007		19 50	116 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB007	ok
9/26/2002	13 50	ORNZ83FT	7626306 1977	704150 1949	EB3	SP008WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	008		9 50	95 00														LWG0106R004TSSPWB008	ok
9/26/2002	13.50	ORNZ83FT	7626306 1977	704150 1949	EB3	SP009WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	009		19.50	117 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB009	ok
9/26/2002	13 50	ORNZ83FT	7626306 1977	704150 1949	EB3	SP010WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	010		14 00	105 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB010	ok
9/26/2002	13 50	ORNZ83FT	7626306.1977	704150 1949	EB3	SP011WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	011		18 50	115 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB011	ok
9/26/2002	13 50	ORNZ83FT	7626306 1977	704150 1949	EB3	SP012WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	012		15 50	112.00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB012	ok
9/26/2002	13 50	ORNZ83FT	7626306 1977	704150 1949	EB3	SP013WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	013		15 00	112 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB013	ok
9/26/2002	13 50	ORNZ83FT	7626306 1977	704150 1949	EB3	SP014WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	014		11 50	102 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB014	ok
9/26/2002	14·02	ORNZ83FT	7620382 6557	711479.5874	EF5	SB009F	TS	electro	LWG01	05R006	TS	SB	F	009		190 00	243 00	231		186.2	238	226	31	43		11/15_1	11/27	EF/JS	LWG0105R006TSSBFLC00 and LWG0105R006TSSBFSC00	0	LWG0105R006TSSBF009	ok
9/26/2002	17·00	ORNZ83FT	7630150.2494	699801 3392	CT3	CR011WB	TS	Crayfish trap	LWG01	08R002	TS	CR	WB	011		19 00	90 00			18.3											LWG0108R002TSCRWB011	ok
9/27/2002	10.55	ORNZ83FT	7620422 0334	714520 6031	EB1	SP029WB	TS	electrobackpack	LWG01	04R003	TS	SP	WB	029		11 00	99 00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSSPWBC00	0	LWG0104R003TSSPWB029	ok
9/27/2002	10·55	ORNZ83FT	7620422 0334	714520 6031	EB1	SP030WB	TS	electrobackpack	LWG01	04R003	TS	SP	WB	030		19 00	115 00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSSPWBC00	0	LWG0104R003TSSPWB030	ok
9/27/2002	10·55	ORNZ83FT	7620422 0334	714520 6031	EB1	SP031WB	TS	electrobackpack	LWG01	04R003	TS	SP	WB	031		26 00	130 00									11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSSPWBC00	0	LWG0104R003TSSPWB031	ok
9/27/2002	11.28	ORNZ83FT	7619924 4056	717090.2735	TL2	SP004WB	TS	Trot Line	LWG01	03R005	TS	SP	WB	004		33 00	136 00			32 4	137					11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSSPWBC00	0	LWG0103R005TSSPWB004	ok
9/27/2002	11 52	ORNZ83FT	7618143 7047	712402 8423	TL5	BB027F	TS	Trot Line	LWG01	FZ0306	TS	BB	F	027		220 00	258 00			202 5	265	261	31.3	33 7		11/22_3	11/27/2002	EF/JS	LWG01FZ0306TSBBFLC30 and LWG01FZ0306TSBBFSC30	3	LWG01FZ0306TSBBF027	ok
9/27/2002	12 10	ORNZ83FT	7620480 0980	713281 9433	CT1	CR002WB	TS	Crayfish trap	LWG01	04R002	TS	CR	WB	002		30 00	103 00			29 7						11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSCRWBC00	0	LWG0104R002TSCRWB002	ok
9/27/2002	12 10	ORNZ83FT	7620480 0980	713281 9433	CT1	CR003WB	TS	Crayfish trap	LWG01	04R002	TS	CR	WB	003		16.50	102 00			25 8						11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSCRWBC00	0	LWG0104R002TSCRWB003	ok
9/27/2002	13 45	ORNZ83FT	7626197.5951	704173 3491	EB4	SP015WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	015		10 00	97 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB015	ok
9/27/2002	13 45	ORNZ83FT	7626197 5951	704173 3491	EB4	SP016WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	016		12 00	104 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB016	ok
9/27/2002	13 45	ORNZ83FT	7626197 5951	704173.3491	EB4	SP017WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	017		11 00	100 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB017	ok
9/27/2002	13 45	ORNZ83FT	7626197.5951	704173.3491	EB4	SP018WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	018		17 00	112 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB018	ok
9/27/2002	13 45	ORNZ83FT	7626197 5951	704173.3491	EB4	SP019WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	019		12 50	102 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB019	ok
9/27/2002	13 45	ORNZ83FT	7626197 5951	704173 3491	EB4	SP020WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	020		12 50	105 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB020	ok
9/27/2002	13 45	ORNZ83FT	7626197 5951	704173 3491	EB4	SP021WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	021		18.50	119 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB021	ok
9/27/2002	13 45	ORNZ83FT	7626197 5951	704173 3491	EB4	SP022WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	022		21 00	118 00									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB022	ok
9/27/2002	15 35	ORNZ83FT	7620993 7261	710431 4696	CT2	CR009WB	TS	Crayfish trap	LWG01	05R001	TS	CR	WB	009		45 50	120 00			44 8						11/19_1	11/20	LF/JS/SN/JC	LWG0105R001TSCRWBC00	0	LWG0105R001TSCRWB009	ok
9/27/2002	15 35	ORNZ83FT	7620993 7261	710431 4696	CT2	CR010WB	TS	Crayfish trap	LWG01	05R001	TS	CR	WB	010		22.50	94 00			22											LWG0105R001TSCRWB010	ok
9/27/2002	16 36	ORNZ83FT	7632314 5216	701690 6287	EF10	SB010WB	TS	electro	LWG01	08R010	TS	SB	WB	010		310 00	277 00	262		306						11/15_3	11/27	EF/JS	LWG0108R010TSSBWBC30	3	LWG0108R010TSSBWB010	ok
9/30/2002	7 44	ORNZ83FT	7620445.2891	714453.2947	EB1	SP032WB	TS	electrobackpack	LWG01	04R003	TS	SP	WB	032		8	90														LWG0104R003TSSPWB032	ok
9/30/2002	7 44	ORNZ83FT	7620445.2891	714453 2947	EB1	SP033WB	TS	electrobackpack	LWG01	04R003	TS	SP	WB	033		19 5	119									11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSSPWBC00	0	LWG0104R003TSSPWB033	ok
9/30/2002	8 13	ORNZ83FT	7620480 0980	713281 9433	CT2	CR004WB	TS	Crayfish trap	LWG01	04R002	TS	CR	WB	004		44	113			42						11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSCRWBC00	0	LWG0104R002TSCRWB004	ok
9/30/2002	8 13	ORNZ83FT	7620480 0980	713281 9433	CT2	CR005WB	TS	Crayfish trap	LWG01	04R002	TS	CR	WB	005		55	108			53 6						11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSCRWBC00	0	LWG0104R002TSCRWB005	ok
9/30/2002	8 13	ORNZ83FT	7620480 0980	713281 9433	CT2	CR006WB	TS	Crayfish trap	LWG01	04R002	TS	CR	WB	006		26.5	92			26											LWG0104R002TSCRWB006	ok
9/30/2002	8 13	ORNZ83FT	7620480 0980	713281 9433	CT2	CR007WB	TS	Crayfish trap	LWG01	04R002	TS	CR	WB	007		24	91			23.2											LWG0104R002TSCRWB007	ok
9/30/2002	8 13	ORNZ83FT	7620480 0980	713281 9433	CT2	CR008WB	TS	Crayfish trap	LWG01	04R002	TS	CR	WB	008		33	99			32 7											LWG0104R002TSCRWB008	ok
9/30/2002	8 13	ORNZ83FT	7620480 0980	713281 9433	CT2	CR009WB	TS	Crayfish trap	LWG01	04R002	TS	CR	WB	009		47.5	116			46 1						11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSCRWBC00	0	LWG0104R002TSCRWB009	ok
9/30/2002	8 13	ORNZ83FT	7620480 0980	713281 9433	CT2	CR010WB	TS	Crayfish trap	LWG01	04R002	TS	CR	WB	010		26	94			26											LWG0104R002TSCRWB010	ok
9/30/2002	8 13	ORNZ83FT	7620480 0980	713281 9433	CT2	CR011WB	TS	Crayfish trap	LWG01	04R002	TS	CR	WB	011		39.5	108			38.5						11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSCRWBC00	0	LWG0104R002TSCRWB011	ok
9/30/2002	8 13	ORNZ83FT	7620480 0980	713281 9433	CT2	CR012WB	TS	Crayfish trap	LWG01	04R002	TS	CR	WB	012		31	103			30 6						11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSCRWBC00	0	LWG0104R002TSCRWB012	ok
9/30/2002	8 13	ORNZ83FT	7620480 0980	713281 9433	CT2	CR013WB	TS	Crayfish trap	LWG01	04R002	TS	CR	WB	013		23	90			22 5											LWG0104R002TSCRWB013	ok
9/30/2002	8 13	ORNZ83FT	7620480 0980	713281 9433	CT2	CR014WB	TS	Crayfish trap	LWG01	04R002	TS	CR	WB	014		26	94			25 6											LWG0104R002TSCRWB014	ok
9/30/2002	8 13	ORNZ83FT	7620480 0980	713281 9433	CT2	CR015WB	TS	Crayfish trap	LWG01	04R002	TS	CR	WB	015		21	90			20 8											LWG0104R002TSCRWB015	ok
9/30/2002	8 13	ORNZ83FT	7620480 0980	713281 9433	CT2	CR016WB	TS	Crayfish trap	LWG01	04R002	TS	CR	WB	016		23 5	91			23											LWG0104R002TSCRWB016	ok
9/30/2002	8 13	ORNZ83FT	7620480 0980	713281 9433	CT2	SP015WB	TS	Crayfish trap	LWG01	04R002	TS	SP	WB	015		27	130									11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB015	ok
9/30/2002	8 44	ORNZ83FT	7620501.2688	713318 9932	EB2	SP012WB	TS	electrobackpack	LWG01	04R002	TS	SP	WB	012		10 5	98									11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB012	ok
9/30/2002	8 44	ORNZ83FT	7620501 2688	713318 9932	EB2	SP013WB	TS	electrobackpack	LWG01	04R002	TS	SP	WB	013		10.5	99									11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB013	ok
9/30/2002	8 44	ORNZ83FT	7620501.2688	713318 9932	EB2	SP014WB	TS	electrobackpack	LWG01	04R002	TS	SP	WB	014		14	108									11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB014	ok
9/30/2002	9 26	ORNZ83FT	7618227.853	712179 9478	EB3	SP013WB	TS	electrobackpack	LWG01	04R004	TS	SP	WB	013		10 5	97									11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSSPWBC00	0	LWG0104R004TSSPWB013	ok
9/30/2002	9·26	ORNZ83FT	7618227 853	712179 9478	EB3	SP014WB	TS	electrobackpack	LWG01	04R004	TS	SP	WB	014		14	108									11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSSPWBC00	0	LWG0104R004TSSPWB014	ok
9/30/2002	9 26	ORNZ83FT	7618227 853	712179 9478	EB3	SP015WB	TS	electrobackpack	LWG01	04R004	TS	SP	WB	015		21 5	120									11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSSPWBC00	0	LWG0104R004TSSPWB015	ok
9/30/2002	9 26	ORNZ83FT	7618227.853	712179 9478	EB3	SP016WB	TS	electrobackpack	LWG01	04R004	TS	SP	WB	016		15	111									11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSSPWBC00	0	LWG0104R004TSSPWB016	ok
9/30/2002	9 47	ORNZ83FT	7619947 9350	717072 0540	TL1	BB028F	TS	Trot Line	LWG01	FZ0306	TS	BB	F	028		210	245			180 6	250	240	24 9	24.3		11/22_3	11/27/2002	EF/JS	LWG01FZ0306TSBBFLC30 and LWG01FZ0306TSBBFSC30	3	LWG01FZ0306TSBBF028	ok
9/30/2002	9·47	ORNZ83FT	7619947 9350	717072 0540	TL1	BB029F	TS	Trot Line	LWG01	FZ0306	TS	BB	F	029		265	265			244 8	270	263	37 2	40.5		11/22_1	11/27/2002	EF/JS	LWG01FZ0306TSBBFLC10 and LWG01FZ0306TSBBFSC10	1	LWG01FZ0306TSBBF029	ok
9/30/2002	9 47	ORNZ83FT	7619947 9350	717072 0540	TL1	BB030F	TS	Trot Line	LWG01	FZ0306	TS	BB	F	030		250	277			230.2	274	263	24 5	33		11/22_2	11/27/2002	EF/JS	LWG01FZ0306TSBBFLC20 and LWG01FZ0306TSBBFSC20	2	LWG01FZ0306TSBBF030	ok
9/30/2002	9 47	ORNZ83FT	7619947 9350	717072 0540	TL1	BC003F	TS	Trot Line	LWG01	FZ0306	TS	BC	F	003		200	221			183 8	224	224	33 7	45 2		12/03_2	12/11	LF/JS/JC	LWG01FZ0306TSBCFLC20 and LWG01FZ0306TSBCFSC20	2	LWG01FZ0306TSBCF003	ok
9/30/2002	9·47	ORNZ83FT	7619947 9350	717072 0540	TL1	BC004F	TS	Trot Line	LWG01	FZ0306	TS	BC	F	004		235	241	233		222 1	240	229	38 6	51 2		12/03_1	12/11	LF/JS/JC	LWG01FZ0306TSBCFLC10 and LWG01FZ0306TSBCFSC10	1	LWG01FZ0306TSBCF004	ok
9/30/2002	9 48	ORNZ83FT	7620962 6476	710470 7361	CT3	CR011WB	TS	electrobackpack	LWG01	05R001	TS	CR	WB	011		57	120			56 5						11/19_1	11/20	LF/JS/SN/JC	LWG0105R001TSCRWBC00	0	LWG0105R001TSCRWB011	ok
9/30/2002	9 48	ORNZ83FT	7620962 6476	710470 7361	CT3	CR012WB	TS	electrobackpack	LWG01	05R001	TS	CR	WB	012		46	119			45 6						11/19_1	11/20	LF/JS/SN/JC	LWG0105R001TSCRWBC00	0	LWG0105R001TSCRWB012	ok
9/30/2002	9 48	ORNZ83FT	7620962 6476	710470 7361	CT3	CR013WB	TS	electrobackpack	LWG01	05R001	TS	CR	WB	013		48 5	108			47 4						11/19_1	11/20	LF/JS/SN/JC	LWG0105R001TSCRWBC00	0	LWG0105R001TSCRWB013	ok
9/30/2002	9 48	ORNZ83FT	7620962 6476	710470 7361	CT3	CR014WB	TS	electrobackpack	LWG01	05R001	TS	CR	WB	014		36	111			35 1											LWG0105R001TSCRWB014	ok
9/30/2002	9·48	ORNZ83FT	7620962 6476	710470 7361	CT3	CR015WB	TS	electrobackpack	LWG01	05R001	TS	CR	WB	015		34.5	112			33 5											LWG0105R001TSCRWB015	ok
9/30/2002	9 48	ORNZ83FT	7620962 6476	710470 7361	CT3	CR016WB	TS	electrobackpack	LWG01	05R001	TS	CR	WB	016		32	108			31 6											LWG0105R001TSCRWB016	ok
9/30/2002	10 12	ORNZ83FT	7619985 6581	717218 6958	TL3	BB031F	TS	Trot Line	LWG01	FZ0306	TS	BB	F	031		250	277			235.2	279	271	30 9	40 6		11/22_1	11/27/2002	EF/JS	LWG01FZ0306TSBBFLC10 and LWG01FZ0306TSBBFSC10	1	LWG01FZ0306TSBBF031	ok
9/30/2002	10·12	ORNZ83FT	7619985 6581	717218 6958	TL3	YB032F	TS	Trot Line	LWG01	FZ0306	TS	YB	F	032		235	244			219 5	248	245	34 1	33							LWG01FZ0306TSYBF032	ok
9/30/2002	10·38	ORNZ83FT	7618163.3316	712389 0286	TL5	BB033F	TS	Trot Line	LWG01	FZ0306	TS	BB	F	033		370	294			343 9	301	296	58.3	56 6		11/22_3	11/27/2002	EF/JS	LWG01FZ0306TSBBFLC30 and LWG01FZ0306TSBBFSC30	3	LWG01FZ0306TSBBF033	ok
9/30/2002	10·38	ORNZ83FT	7618163.3316	712389 0286	TL5	BB034F	TS	Trot Line	LWG01	FZ0306	TS	BB	F	034		200	251			174 3	253	247	27.2	23 7		11/22_1	11/27/2002	EF/JS	LWG01FZ0306TSBBFLC10 and LWG01FZ0306TSBBFSC10	1	LWG01FZ0306TSBBF034	ok
9/30/2002	10·50	ORNZ83FT	7618137 6878	712393.5842	TL6	BB035F	TS	Trot Line	LWG01	FZ0306	TS	BB	F	035		300	284			273 2	287	284	41 8	49		11/22_2	11/27/2002	EF/JS	LWG01FZ0306TSBBFLC20 and LWG01FZ0306TSBBFSC20	2	LWG01FZ0306TSBBF035	ok
10/1/2002	8.22	ORNZ83FT	7616382.3968	716388.2340	EB1	SP001WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	001		16	110									11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB001	ok

Table C-1 Fish Tissue Data Master Table

Date	Time	Coord type	X Easting	Y Northing	Key Day	Map Key	Sampler	Method	Site Round	Station	Matrix	Species	Tissue	Sample	Excluded Samples	FieldWt g	FieldTLgth mm	FieldFLgth mm	FieldCmnts	LabWt g	LabTLgth mm	LabFLgth mm	LabFSWt g	LabFLWt g	LabCmnts	Comp	SentToLab	Packer	Comp_sample_code	rep_code	sample_code	dup_check
10/1/2002	8 22	ORNZ83FT	7616382.3968	716388 2340	EB1	SP002WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	002		17	110									11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB002	ok
10/1/2002	8.22	ORNZ83FT	7616382.3968	716388 2340	EB1	SP003WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	003		14.5	107									11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB003	ok
10/1/2002	8 22	ORNZ83FT	7616382 3968	716388 2340	EB1	SP004WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	004		12 5	100									11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB004	ok
10/1/2002	8 22	ORNZ83FT	7616382 3968	716388 2340	EB1	SP005WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	005		11.5	99									11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB005	ok
10/1/2002	8 22	ORNZ83FT	7616382 3968	716388 2340	EB1	SP006WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	006		11	104									11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB006	ok
10/1/2002	8 22	ORNZ83FT	7616382.3968	716388.2340	EB1	SP007WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	007		12	100									11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB007	ok
10/1/2002	8 22	ORNZ83FT	7616382.3968	716388.2340	EB1	SP008WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	008		12	100									11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB008	ok
10/1/2002	8 22	ORNZ83FT	7616382.3968	716388 2340	EB1	SP009WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	009		9.5	96														LWG0103R032TSSPWB009	ok
10/1/2002	8 22	ORNZ83FT	7616382 3968	716388 2340	EB1	SP010WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	010		10 5	98									11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB010	ok
10/1/2002	8.23	ORNZ83FT	7633896.8536	701458 0997	TL2	YB010F	TS	Trot Line	LWG01	FZ0609	TS	YB	F	010		200	250			180 3	250	249	22 6	26							LWG01FZ0609TSYBF010	ok
10/1/2002	9·00	ORNZ83FT	7636027 1246	699053 8606	TL3	BB011F	TS	Trot Line	LWG01	FZ0609	TS	BB	F	011		295	286			275 1	288	277	46 6	53.2		11/22_3	11/27/2002	EF/JS	LWG01FZ0609TSBBFLC30 and LWG01FZ0609TSBBFSC30	3	LWG01FZ0609TSBBF011	ok
10/1/2002	9·00	ORNZ83FT	7636027 1246	699053 8606	TL3	BB012F	TS	Trot Line	LWG01	FZ0609	TS	BB	F	012		345	286			319.5	287	278	50	56 8		11/22_2	11/27/2002	EF/JS	LWG01FZ0609TSBBFLC20 and LWG01FZ0609TSBBFSC20	2	LWG01FZ0609TSBBF012	ok
10/1/2002	9·00	ORNZ83FT	7636027 1246	699053 8606	TL3	BB013F	TS	Trot Line	LWG01	FZ0609	TS	BB	F	013		310	273			290	275	264	32 9	36		11/22_1	11/27/2002	EF/JS	LWG01FZ0609TSBBFLC10 and LWG01FZ0609TSBBFSC10	1	LWG01FZ0609TSBBF013	ok
10/1/2002	9·14	ORNZ83FT	7636442 0496	699329 6349	TL4	BB014F	TS	Trot Line	LWG01	FZ0609	TS	BB	F	014		280	252			259.3	253	240	40 5	41		11/22_2	11/27/2002	EF/JS	LWG01FZ0609TSBBFLC20 and LWG01FZ0609TSBBFSC20	2	LWG01FZ0609TSBBF014	ok
10/1/2002	9 14	ORNZ83FT	7636442 0496	699329 6349	TL4	BB015F	TS	Trot Line	LWG01	FZ0609	TS	BB	F	015		225	235			205.3	242	230	28 4	30 6		11/22_1	11/27/2002	EF/JS	LWG01FZ0609TSBBFLC10 and LWG01FZ0609TSBBFSC10	1	LWG01FZ0609TSBBF015	ok
10/1/2002	9 14	ORNZ83FT	7636442 0496	699329 6349	TL4	BC004F	TS	Trot Line	LWG01	FZ0609	TS	BC	F	004		245	240	230		224.3	238	230	35 8	53 3		12/03_1	12/11	LF/JS/JC	LWG01FZ0609TSBCFLC10 and LWG01FZ0609TSBCFSC10	1	LWG01FZ0609TSBCF004	ok
10/1/2002	9·14	ORNZ83FT	7636442 0496	699329 6349	TL4	YB016F	TS	Trot Line	LWG01	FZ0609	TS	YB	F	016		305	260			277 4	256	252	39.5	47 9							LWG01FZ0609TSYBF016	ok
10/1/2002	9 50	ORNZ83FT	7620498 4850	713333.5569	EB2	SP016WB	TS	electrobackpack	LWG01	04R002	TS	SP	WB	016		14	106									11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB016	ok
10/1/2002	9 50	ORNZ83FT	7620498 4850	713333.5569	EB2	SP017WB	TS	electrobackpack	LWG01	04R002	TS	SP	WB	017		18	114									11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB017	ok
10/1/2002	9:50	ORNZ83FT	7620498 4850	713333.5569	EB2	SP018WB	TS	electrobackpack	LWG01	04R002	TS	SP	WB	018		14.5	105									11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB018	ok
10/1/2002	11 24	ORNZ83FT	7635347.2317	699685 9207	EF9	SB011WB	TS	electro	LWG01	08R010	TS	SB	WB	011		400	300	289		373.3						11/15_2	11/27	EF/JS	LWG0108R010TSSBWBC20	2	LWG0108R010TSSBWB011	ok
10/1/2002	12 59	ORNZ83FT	7618593 4209	715458 7650	CT1	CR008WB	TS	Crayfish trap	LWG01	03R004	TS	CR	WB	008		52	105			51 4						11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSCRWBC00	0	LWG0103R004TSCRWB008	ok
10/1/2002	12.59	ORNZ83FT	7618593 4209	715458 7650	CT1	CR009WB	TS	Crayfish trap	LWG01	03R004	TS	CR	WB	009		49 5	120			48 7						11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSCRWBC00	0	LWG0103R004TSCRWB009	ok
10/1/2002	12 59	ORNZ83FT	7618593 4209	715458 7650	CT1	CR010WB	TS	Crayfish trap	LWG01	03R004	TS	CR	WB	010		65	120			60 6						11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSCRWBC00	0	LWG0103R004TSCRWB010	ok
10/1/2002	12.59	ORNZ83FT	7618593 4209	715458 7650	CT1	CR011WB	TS	Crayfish trap	LWG01	03R004	TS	CR	WB	011		32	92			29 7											LWG0103R004TSCRWB011	ok
10/1/2002	12 59	ORNZ83FT	7618593 4209	715458 7650	CT1	CR012WB	TS	Crayfish trap	LWG01	03R004	TS	CR	WB	012		59	122			58.3											LWG0103R004TSCRWB012	ok
10/1/2002	12 59	ORNZ83FT	7618593 4209	715458 7650	CT1	CR013WB	TS	Crayfish trap	LWG01	03R004	TS	CR	WB	013		41	103			39.3											LWG0103R004TSCRWB013	ok
10/1/2002	12 59	ORNZ83FT	7618593 4209	715458 7650	CT1	CR014WB	TS	Crayfish trap	LWG01	03R004	TS	CR	WB	014		31 5	107			39 4											LWG0103R004TSCRWB014	ok
10/1/2002	12 59	ORNZ83FT	7618593 4209	715458 7650	CT1	CR015WB	TS	Crayfish trap	LWG01	03R004	TS	CR	WB	015		27	93			26 5											LWG0103R004TSCRWB015	ok
10/1/2002	14 20	ORNZ83FT	7630150 2494	699801.3392	CT2	CR012WB	TS	Crayfish trap	LWG01	08R002	TS	CR	WB	012		85	124			67 9						11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSCRWBC00	0	LWG0108R002TSCRWB012	ok
10/1/2002	14 20	ORNZ83FT	7630150.2494	699801 3392	CT2	CR013WB	TS	Crayfish trap	LWG01	08R002	TS	CR	WB	013		43	109			41.2						11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSCRWBC00	0	LWG0108R002TSCRWB013	ok
10/1/2002	14.20	ORNZ83FT	7630150 2494	699801 3392	CT2	CR014WB	TS	Crayfish trap	LWG01	08R002	TS	CR	WB	014		24	90			23 5											LWG0108R002TSCRWB014	ok
10/2/2002	13 40	ORNZ83FT	7636457 7335	699412 9167	TL2	BB018WB	TS	Trot Line	LWG01	FZ0609	TS	BB	WB	018		178	252			175 9						11/22_3	11/27/2002	EF/JS	LWG01FZ0609TSBBWBC30	3	LWG01FZ0609TSBBWB018	ok
10/2/2002	13 40	ORNZ83FT	7636457 7335	699412 9167	TL2	YB017WB	TS	Trot Line	LWG01	FZ0609	TS	YB	WB	017		310	272			308 1											LWG01FZ0609TSYBWB017	ok
10/2/2002	14 18	ORNZ83FT	7637509 7684	694163 8977	CT1	CR003WB	TS	Crayfish trap	LWG01	09R003	TS	CR	WB	003		23	90			23 1											LWG0109R003TSCRWB003	ok
10/2/2002	14 18	ORNZ83FT	7637509 7684	694163 8977	CT1	CR004WB	TS	Crayfish trap	LWG01	09R003	TS	CR	WB	004		30 5	93			29 6											LWG0109R003TSCRWB004	ok
10/2/2002	14 38	ORNZ83FT	7631856 4118	697514 9710	CT2	CR006WB	TS	Crayfish trap	LWG01	08R001	TS	CR	WB	006		21.5	90			20 8											LWG0108R001TSCRWB006	ok
10/2/2002	14 38	ORNZ83FT	7631856 4118	697514 9710	CT2	CR007WB	TS	Crayfish trap	LWG01	08R001	TS	CR	WB	007		28.5	92			27 7											LWG0108R001TSCRWB007	ok
10/2/2002	15 12	ORNZ83FT	7630133 7593	699836.3797	CT3	CR015WB	TS	Crayfish trap	LWG01	08R002	TS	CR	WB	015		30	98			28 9											LWG0108R002TSCRWB015	ok
10/2/2002	15 12	ORNZ83FT	7630133 7593	699836 3797	CT3	CR016WB	TS	Crayfish trap	LWG01	08R002	TS	CR	WB	016		25	92			24 4											LWG0108R002TSCRWB016	ok
10/2/2002	15 12	ORNZ83FT	7630133 7593	699836.3797	CT3	CR017WB	TS	Crayfish trap	LWG01	08R002	TS	CR	WB	017		32	100			31 2						11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSCRWBC00	0	LWG0108R002TSCRWB017	ok
10/2/2002	15 12	ORNZ83FT	7630133 7593	699836.3797	CT3	CR018WB	TS	Crayfish trap	LWG01	08R002	TS	CR	WB	018		29	100			28 5											LWG0108R002TSCRWB018	ok
10/2/2002	15 12	ORNZ83FT	7630133 7593	699836.3797	CT3	CR019WB	TS	Crayfish trap	LWG01	08R002	TS	CR	WB	019		27 5	97			26 7											LWG0108R002TSCRWB019	ok
10/2/2002	15 12	ORNZ83FT	7630133 7593	699836 3797	CT3	CR020WB	TS	Crayfish trap	LWG01	08R002	TS	CR	WB	020		31	94			30 6											LWG0108R002TSCRWB020	ok
10/2/2002	15 20	ORNZ83FT	7626197 5951	704173.3491	EB1	SP023WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	023		14.5	107									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB023	ok
10/2/2002	15 20	ORNZ83FT	7626197 5951	704173.3491	EB1	SP024WB	TS	electrobackpack	LWG01	06R004	TS	SP	WB	024		10 5	100									11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSSPWBC00	0	LWG0106R004TSSPWB024	ok
10/2/2002	15 54	ORNZ83FT	7636544 8945	698595.2246	EF12	SB012WB	TS	electro	LWG01	08R010	TS	SB	WB	012		320	273	260		292						11/15_3	11/27	EF/JS	LWG0108R010TSSBWBC30	3	LWG0108R010TSSBWB012	ok
10/2/2002	16 20	ORNZ83FT	7630150.2494	699801.3392	EB2	SP019WB	TS	electrobackpack	LWG01	08R002	TS	SP	WB	019		11.5	97									11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB019	ok
10/2/2002	16 20	ORNZ83FT	7630150.2494	699801.3392	EB2	SP020WB	TS	electrobackpack	LWG01	08R002	TS	SP	WB	020		13 5	112									11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB020	ok
10/2/2002	16.20	ORNZ83FT	7630150.2494	699801.3392	EB2	SP021WB	TS	electrobackpack	LWG01	08R002	TS	SP	WB	021		12 5	105									11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB021	ok
10/2/2002	16.20	ORNZ83FT	7630150 2494	699801.3392	EB2	SP022WB	TS	electrobackpack	LWG01	08R002	TS	SP	WB	022		16	109									11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB022	ok
10/2/2002	16 20	ORNZ83FT	7630150.2494	699801.3392	EB2	SP023WB	TS	electrobackpack	LWG01	08R002	TS	SP	WB	023		17	111									11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB023	ok
10/2/2002	16 20	ORNZ83FT	7630150.2494	699801 3392	EB2	SP024WB	TS	electrobackpack	LWG01	08R002	TS	SP	WB	024		15	107									11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB024	ok
10/2/2002	17·05	ORNZ83FT	7628527.331	701634.5207	EB3	SP009WB	TS	electrobackpack	LWG01	07R003	TS	SP	WB	009		27	125									11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSSPWBC00	0	LWG0107R003TSSPWB009	ok
10/2/2002	17 10	ORNZ83FT	7616424 2297	716441 4165	CT4	CR001WB	TS	Crayfish trap	LWG01	03R032	TS	CR	WB	001		45 5	110			45 3					Descrepanc	11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSCRWBC00	0	LWG0103R032TSCRWB001	ok
10/2/2002	17 10	ORNZ83FT	7616424 2297	716441 4165	CT4	CR002WB	TS	Crayfish trap	LWG01	03R032	TS	CR	WB	002		29	97			28 8											LWG0103R032TSCRWB002	ok
10/2/2002	17 10	ORNZ83FT	7616424.2297	716441 4165	CT4	CR003WB	TS	Crayfish trap	LWG01	03R032	TS	CR	WB	003		38 5	103			38 3						11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSCRWBC00	0	LWG0103R032TSCRWB003	ok
10/2/2002	17 10	ORNZ83FT	7616424.2297	716441 4165	CT4	CR004WB	TS	Crayfish trap	LWG01	03R032	TS	CR	WB	004		38	99			37 3						11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSCRWBC00	0	LWG0103R032TSCRWB004	ok
10/2/2002	17 10	ORNZ83FT	7616424 2297	716441 4165	CT4	CR005WB	TS	Crayfish trap	LWG01	03R032	TS	CR	WB	005		43 5	115			43 1						11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSCRWBC00	0	LWG0103R032TSCRWB005	ok
10/2/2002	17 10	ORNZ83FT	7616424 2297	716441 4165	CT4	CR006WB	TS	Crayfish trap	LWG01	03R032	TS	CR	WB	006		31	98			31 5											LWG0103R032TSCRWB006	ok
10/2/2002	17 10	ORNZ83FT	7616424 2297	716441 4165	CT4	CR007WB	TS	Crayfish trap	LWG01	03R032	TS	CR	WB	007		54	118			53 4						11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSCRWBC00	0	LWG0103R032TSCRWB007	ok
10/2/2002	17 10	ORNZ83FT	7616424 2297	716441 4165	CT4	CR008WB	TS	Crayfish trap	LWG01	03R032	TS	CR	WB	008		40 5	105			39 6						11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSCRWBC00	0	LWG0103R032TSCRWB008	ok
10/2/2002	17 10	ORNZ83FT	7616424.2297	716441 4165	CT4	CR009WB	TS	Crayfish trap	LWG01	03R032	TS	CR	WB	009		42	100			41 5						11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSCRWBC00	0	LWG0103R032TSCRWB009	ok
10/2/2002	17 10	ORNZ83FT	7616424 2297	716441 4165	CT4	CR010WB	TS	Crayfish trap	LWG01	03R032	TS	CR	WB	010		47	110			43 7						11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSCRWBC00	0	LWG0103R032TSCRWB010	ok
10/2/2002	17 10	ORNZ83FT	7616424 2297	716441 4165	CT4	CR011WB	TS	Crayfish trap	LWG01	03R032	TS	CR	WB	011		26	90			25 4											LWG0103R032TSCRWB011	ok
10/2/2002	17 10	ORNZ83FT	7616424.2297	716441 4165	CT4	CR012WB	TS	Crayfish trap	LWG01	03R032	TS	CR	WB	012		34.5	97			33 9						11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSCRWBC00	0	LWG0103R032TSCRWB012	ok
10/2/2002	17 10	ORNZ83FT	7616424 2297	716441 4165	CT4	CR013WB	TS	Crayfish trap	LWG01	03R032	TS	CR	WB	013		31	102			30 6											LWG0103R032TSCRWB013	ok
10/2/2002	17 10	ORNZ83FT	7616424.2297	716441 4165	CT4	CR014WB	TS	Crayfish trap	LWG01	03R032	TS	CR	WB	014		28 5	97			26 6											LWG0103R032TSCRWB014	ok
10/2/2002	17 10	ORNZ83FT	7616424.2297	716441 4165	CT4	CR015WB	TS	Crayfish trap	LWG01	03R032	TS	CR	WB	015		38	107			37											LWG0103R032TSCRWB015	ok
10/2/2002	17 10	ORNZ83FT	7616424.2297	716441 4165	CT4	CR016WB	TS	Crayfish trap	LWG01	03R032	TS	CR	WB	016		32	93			31 9											LWG0103R032TSCRWB016	ok
10/2/2002	17 10	ORNZ83FT	7616424 2297	716441 4165	CT4	CR017WB	TS	Crayfish trap	LWG01	03R032	TS	CR	WB	017		25	90			24 8											LWG0103R032TSCRWB017	ok
10/2/2002	17 10	ORNZ83FT	7616424 2297	716441 4165	CT4	CR018WB	TS	Crayfish trap	LWG01	03R032	TS	CR	WB	018		84	119			83 7											LWG0103R032TSCRWB018	ok
10/2/2002	17 10	ORNZ83FT	7616424 2297	716441 4165	CT4	CR019WB	TS	Crayfish trap	LWG01	03R032	TS	CR	WB	019		30 5	98			30.2											LWG0103R032TSCRWB019	ok
10/2/2002	17.35	ORNZ83FT	7619877 6527	717084 7469	TL5	SP005WB	TS	Trot Line	LWG01	03R005	TS	SP	WB	005		27	128									11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSSPWBC00	0	LWG0103R005TSSPWB005	ok
10/2/2002	17 45	ORNZ83FT	7619942 5100	717051 5326	TL6	SP006WB	TS	Trot Line	LWG01	03R005	TS	SP	WB	006		44.5	145			42.6					trot-line, checked for hool	11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSSPWBC00	0	LWG0103R005TSSPWB006	ok
10/2/2002	19 45	ORNZ83FT	7620235 1474	709256 8953	EF25	PM001WB	TS	electro	LWG01	05R006	TS	PM	WB	001		123	246														LWG0105R006TSPMWB001	ok
10/2/2002	19 45	ORNZ83FT	7620235 1474	709256 8953	EF25	SB010F	TS	electro	LWG01	05R006	TS	SB	F	010		305	280	265		304.2	277	264	45 7	64 6		11/15_1	11/27	EF/JS	LWG0105R006TSSBFLC00 and LWG0105R006TSSBFSC00	0	LWG0105R006TSSBF010	ok
10/3/2002	14 18	ORNZ83FT	7619861 9028	717082 5535	TL1	BC005F	TS	Trot Line	LWG01	FZ0306	TS	BC	F	005		320	265	252		315 8	264	256	52 7	76 7		12/03_1	12/11	LF/JS/JC	LWG01FZ0306TSBCFLC10 and LWG01FZ0306TSBCFSC10	1	LWG01FZ0306TSBCF005	ok
10/3/2002	14 18	ORNZ83FT	7619861 9028	717082 5535	TL1	BC006F	TS	Trot Line	LWG01	FZ0306	TS	BC	F	006		200	235	222		201 2	238	227	34 6	46 7		12/03_2	12/11	LF/JS/JC	LWG01FZ0306TSBCFLC20 and LWG01FZ0306TSBCFSC20	2	LWG01FZ0306TSBCF006	ok
10/3/2002	14 18	ORNZ83FT	7619861 9028	717082 5535	TL1	BC007F	TS	Trot Line	LWG01	FZ0306	TS	BC	F	007		240	241	231		236	241	233	40	56 6		12/03_1	12/11	LF/JS/JC	LWG01FZ0306TSBCFLC10 and LWG01FZ0306TSBCFSC10	1	LWG01FZ0306TSBCF007	ok
10/3/2002	14 31	ORNZ83FT	7619953 4219	717074 4030	TL2	BB037WB	TS	Trot Line	LWG01	FZ0306	TS	BB	WB	037		230	269			228 5						11/22_3	11/27/2002	EF/JS	LWG01FZ0306TSBBWBC30	3	LWG01FZ0306TSBBWB037	ok
10/3/2002	14.31	ORNZ83FT	7619953 4219	717074 4030	TL2	BC008F	TS	Trot Line	LWG01	FZ0306	TS	BC	F	008		225	244	229		222 2	240	229	32 6	51 3		12/03_2	12/11	LF/JS/JC	LWG01FZ0306TSBCFLC20 and LWG01FZ0306TSBCFSC20	2	LWG01FZ0306TSBCF008	ok
10/3/2002	15·07	ORNZ83FT	7627310 0907	705415 0821	TL3	YB023WB	TS	Trot Line	LWG01	FZ0609	TS	YB	WB	023			265			269 8											LWG01FZ0609TSYBWB023	ok
10/3/2002	15 25	ORNZ83FT	7618593 4209	715458 7650	EB1	SP018WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	018		8 5	99														LWG0103R004TSSPWB018	ok
10/3/2002	15 25	ORNZ83FT	7618593 4209	715458 7650	EB1	SP019WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	019		12	110									11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC10	1	LWG0103R004TSSPWB019	ok
10/3/2002	15 25	ORNZ83FT	7618593 4209	715458 7650	EB1	SP020WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	020		6.5	96														LWG0103R004TSSPWB020	ok
10/3/2002	15 29	ORNZ83FT	7628501 2921	700769.2497	TL4	PM001WB	TS	Trot Line	LWG01	07R009	TS	PM	WB	001		190	292	267		182 9					trot line 3 deep cuts on 1 side some tissue missing, completely into gut cavity						LWG0107R009TSPMWB001	ok
10/3/2002	15 29	ORNZ83FT	7628501 2921	700769 2497	TL4	BB020F	TS	Trot Line	LWG01	FZ0609	TS	BB	F	020		320	295			321 5	293	285	53 1	57 5		11/22_3	11/27/2002	EF/JS	LWG01FZ0609TSBBFLC30 and LWG01FZ0609TSBBFSC30	3	LWG01FZ0609TSBBF020	ok
10/3/2002	15 29	ORNZ83FT	7628501.2921	700769.2497	TL4	BB021WB	TS	Trot Line	LWG01	FZ0609	TS	BB	WB	021		325	300			321 9						11/22_3	11/27/2002	EF/JS	LWG01FZ0609TSBBWBC30	3	LWG01FZ0609TSBBWB021	ok
10/3/2002	15 29	ORNZ83FT	7628501 2921	700769 2497	TL4	BB022WB	TS	Trot Line	LWG01	FZ0609	TS	BB	WB	022		345	302			343.5						11/22_2	11/27/2002	EF/JS	LWG01FZ0609TSBBWBC20	2	LWG01FZ0609TSBBWB022	ok
10/3/2002	16 10	ORNZ83FT	7616424 2297	716441 4165	EB2	SP011WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	011		22 5	129									11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB011	ok
10/3/2002	16 10	ORNZ83FT	7616424.2297	716441 4165	EB2	SP012WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	012		10 5	104									11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB012	ok
10/3/2002	16 10	ORNZ83FT	7616424.2297	716441 4165	EB2	SP013WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	013		12.5	104									11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB013	ok
10/3/2002	16 10	ORNZ83FT	7616424 2297	716441 4165	EB2	SP014WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	014		10	103									11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB014	ok
10/3/2002	16 10	ORNZ83FT	7616424 2297	716441 4165	EB2	SP015WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	015		14	110									11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB015	ok
10/3/2002	16 10	ORNZ83FT	7616424 2297	716441 4165	EB2	SP016WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	016		10	100									11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB016	ok
10/3/2002	16 43	ORNZ83FT	7637535 0118	694153 3922	CT3	CR005WB	TS	Crayfish trap	LWG01	09R003	TS	CR	WB	005		36	109			36 4						11/19_1	11/20	LF/JS/SN/JC	LWG0109R003TSCRWBC00	0	LWG0109R003TSCRWB005	ok
10/3/2002	16 43	ORNZ83FT	7637535 0118	694153 3922	CT3	CR006WB	TS	Crayfish trap	LWG01	09R003	TS	CR	WB	006		25	94			26 4											LWG0109R003TSCRWB006	ok
10/3/2002	17 12	ORNZ83FT	7619861 9028	717082.5535	TL1	YB036WB	TS	Trot Line	LWG01	FZ0306	TS	YB	WB	036		140	232			140											LWG01FZ0306TSYBWB036	ok
10/3/2002	17 12	ORNZ83FT	7633276 0702	701925 9293	TL5	BB019F	TS	Trot Line	LWG01	FZ0609	TS	BB	F	019		295	257			293 4	260	VA due to predatio	37 5	43 1		11/22_2	11/27/2002	EF/JS	LWG01FZ0609TSBBFLC20 and LWG01FZ0609TSBBFSC20	2	LWG01FZ0609TSBBF019	ok
10/3/2002	17 25	ORNZ83FT	7636498 6432	698627 8956	CT4	CR014WB	TS	Crayfish trap	LWG01	09R001	TS	CR	WB	014		28 50	99 00			30 4											LWG0109R001TSCRWB014	ok
10/3/2002	17 25	ORNZ83FT	7636498 6432	698627 8956	CT4	CR015WB	TS	Crayfish trap	LWG01	09R001	TS	CR	WB	015		28.50	102 00			30						11/19_2	11/20	LF/JS/SN/JC	LWG0109R001TSCRWBC20	2	LWG0109R001TSCRWB015	ok
10/3/2002	19 25	ORNZ83FT	7620474 5965	711430 1539	EF21	PM002WB	TS	electro	LWG01	05R006	TS	PM	WB	002		71	210	190		70 4											LWG0105R006TSPMWB002	ok
10/4/2002	6 54	ORNZ83FT	7619586 8989	713045 4032	EF1	PM003WB	TS	electro	LWG01	05R006	TS	PM	WB	003		74	202	181		73 9											LWG0105R006TSPMWB003	ok

Table C-1 Fish Tissue Data Master Table

Date	Time	Coord type	X Easting	Y Northing	Key Day	Map Key	Sampler	Method	Site Round	Station	Matrix	Species	Tissue	Sample	Excluded Sample	FieldWt g	FieldTLgth mm	FieldFLgth mm	FieldCmnts	LabWt g	LabTLgth mm	LabFLgth mm	LabFSWt g	LabFLWt g	LabCmnts	Comp	SentToLab	Packer	Comp sample code	rep code	sample code	dup check
10/4/2002	7 11	ORNZ83FT	7620592 2619	711201 6743	EF2	SB005F	TS	electro	LWG01	05R006	TS	SB	F	005		108	230	212		179 6	230	220	22 1	35 1		11/15_1	11/27	EF/JS	LWG0105R006TSSBFLC00 and LWG0105R006TSSBFSC00	0	LWG0105R006TSSBF005	ok
10/4/2002	8 18	ORNZ83FT	7618082 6343	712419 0968	TL1	BB038WB	TS	Trot Line	LWG01	FZ0306	TS	BB	WB	038		377	303			375.2					red italicizec	11/22_1	11/27/2002	EF/JS	LWG01FZ0306TSBBWBC10	1	LWG01FZ0306TSBBWB038	ok
10/4/2002	8.20	ORNZ83FT	7636361.274	698751 4734	CT1	CR016WB	TS	Crayfish trap	LWG01	09R001	TS	CR	WB	016		51 00	120 00			52 7						11/19_2	11/20	LF/JS/SN/JC	LWG0109R001TSCRWBC20	2	LWG0109R001TSCRWB016	ok
10/4/2002	8 20	ORNZ83FT	7636361.274	698751 4734	CT1	CR017WB	TS	Crayfish trap	LWG01	09R001	TS	CR	WB	017		32.00	99 00			34 7											LWG0109R001TSCRWB017	ok
10/4/2002	8 20	ORNZ83FT	7636361 274	698751 4734	CT1	CR018WB	TS	Crayfish trap	LWG01	09R001	TS	CR	WB	018		27 00	99 00			29 7											LWG0109R001TSCRWB018	ok
10/4/2002	8 20	ORNZ83FT	7636361.274	698751 4734	CT1	CR019WB	TS	Crayfish trap	LWG01	09R001	TS	CR	WB	019		34 00	103 00			36.7						11/19_2	11/20	LF/JS/SN/JC	LWG0109R001TSCRWBC20	2	LWG0109R001TSCRWB019	ok
10/4/2002	8 20	ORNZ83FT	7636361 274	698751 4734	CT1	CR020WB	TS	Crayfish trap	LWG01	09R001	TS	CR	WB	020		50 00	118 00			52.3						11/19_2	11/20	LF/JS/SN/JC	LWG0109R001TSCRWBC20	2	LWG0109R001TSCRWB020	ok
10/4/2002	8 20	ORNZ83FT	7636361.274	698751 4734	CT1	CR021WB	TS	Crayfish trap	LWG01	09R001	TS	CR	WB	021		30 00	98 00			32 6											LWG0109R001TSCRWB021	ok
10/4/2002	8.20	ORNZ83FT	7636361.274	698751 4734	CT1	CR022WB	TS	Crayfish trap	LWG01	09R001	TS	CR	WB	022		24 00	95 00			26 2											LWG0109R001TSCRWB022	ok
10/4/2002	8 20	ORNZ83FT	7636361 274	698751 4734	CT1	CR023WB	TS	Crayfish trap	LWG01	09R001	TS	CR	WB	023		28 00	98 00			30 1											LWG0109R001TSCRWB023	ok
10/4/2002	8 20	ORNZ83FT	7636361.274	698751 4734	CT1	CR024WB	TS	Crayfish trap	LWG01	09R001	TS	CR	WB	024		28 00	92 00			30 5											LWG0109R001TSCRWB024	ok
10/4/2002	8 49	ORNZ83FT	7619885 8940	717064 5202	TL2	BB039WB	TS	Trot Line	LWG01	FZ0306	TS	BB	WB	039		178	261			175 9						11/22_1	11/27/2002	EF/JS	LWG01FZ0306TSBBWBC10	1	LWG01FZ0306TSBBWB039	ok
10/4/2002	8 58	ORNZ83FT	7631883.3901	697562 0073	CT3	CR008WB	TS	Crayfish trap	LWG01	08R001	TS	CR	WB	008		33	95			25 4											LWG0108R001TSCRWB008	ok
10/4/2002	9:20	ORNZ83FT	7630058 6538	699843.3593	CT4	CR021WB	TS	Crayfish trap	LWG01	08R002	TS	CR	WB	021		23	90			25.5											LWG0108R002TSCRWB021	ok
10/4/2002	9:31	ORNZ83FT	7627380 2224	705488.2453	TL4	YB024WB	TS	Trot Line	LWG01	FZ0609	TS	YB	WB	024		207	245			205.2											LWG01FZ0609TSYBWB024	ok
10/4/2002	10:00	ORNZ83FT	7631883.3901	697562 0073	EB1	SP040WB	TS	electrobackpack	LWG01	08R001	TS	SP	WB	040		21 5	126									11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSSPWBC00	0	LWG0108R001TSSPWB040	ok
10/4/2002	10 00	ORNZ83FT	7631883 3901	697562 0073	EB1	SP041WB	TS	electrobackpack	LWG01	08R001	TS	SP	WB	041		18	126									11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSSPWBC00	0	LWG0108R001TSSPWB041	ok
10/4/2002	10 06	ORNZ83FT	7628502 7139	700796 5776	TL5	BB025WB	TS	Trot Line	LWG01	FZ0609	TS	BB	WB	025		280	290			276 1					IDed in field	ARCHIVE					LWG01FZ0609TSBBWB025	ok
10/4/2002	10 37	ORNZ83FT	7633318.5589	701889.3185	TL8	BC005F	TS	Trot Line	LWG01	FZ0609	TS	BC	F	005	Unusable	213	247	225		NA	NA	NA	NA	NA	DISCARDED SAMPLE, Corrective Action, due to live scaled						LWG01FZ0609TSBCF005	ok
10/4/2002	10 40	ORNZ83FT	7636498 6432	698627 8956	EB2	SP030WB	TS	electrobackpack	LWG01	09R001	TS	SP	WB	030		12	109									11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSSPWBC00	0	LWG0109R001TSSPWB030	ok
10/4/2002	10 40	ORNZ83FT	7636498 6432	698627 8956	EB2	SP031WB	TS	electrobackpack	LWG01	09R001	TS	SP	WB	031		6	91														LWG0109R001TSSPWB031	ok
10/4/2002	10 40	ORNZ83FT	7636498 6432	698627 8956	EB2	SP032WB	TS	electrobackpack	LWG01	09R001	TS	SP	WB	032		6	91														LWG0109R001TSSPWB032	ok
10/4/2002	10 40	ORNZ83FT	7636498 6432	698627 8956	EB2	SP033WB	TS	electrobackpack	LWG01	09R001	TS	SP	WB	033		7	95														LWG0109R001TSSPWB033	ok
10/4/2002	10 40	ORNZ83FT	7636498 6432	698627 8956	EB2	SP036WB	TS	electrobackpack	LWG01	09R001	TS	SP	WB	036		19 9	129														LWG0109R001TSSPWB036	ok
10/7/2002	8 55	ORNZ83FT	7636498 6432	698627 8956	EB1B	SP034WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	034						12 8	100					11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSSPWBC00	0	LWG0109R001TSSPWB034	ok
10/7/2002	8 55	ORNZ83FT	7636498 6432	698627 8956	EB1B	SP035WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	035						18.3	105										LWG0109R001TSSPWB035	ok
10/7/2002	10 33	ORNZ83FT	7618227 853	712179 9478	EB1A	SP017WB	IS	Crayfish trap	LWG01	04R004	TS	SP	WB	017						17 4	109					11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSSPWBC00	0	LWG0104R004TSSPWB017	ok
10/7/2002	11 00	ORNZ83FT	7617416 80519	718268 85250	CT1	CR012WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	012		36 7				36	105										LWG0103R003TSCRWB012	ok
10/7/2002	11 00	ORNZ83FT	7617416.80519	718268 85250	CT1	CR013WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	013		20 4				20 1	83										LWG0103R003TSCRWB013	ok
10/7/2002	11 13	ORNZ83FT	7620445 2891	714453 2947	EB2A	SP034WB	IS	electrobackpack	LWG01	04R003	TS	SP	WB	034						15 6	109					11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSSPWBC00	0	LWG0104R003TSSPWB034	ok
10/7/2002	11 13	ORNZ83FT	7620445 2891	714453 2947	EB2A	SP035WB	IS	electrobackpack	LWG01	04R003	TS	SP	WB	035						11 5	101					11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSSPWBC00	0	LWG0104R003TSSPWB035	ok
10/7/2002	11 13	ORNZ83FT	7620445.2891	714453.2947	EB2A	SP036WB	IS	electrobackpack	LWG01	04R003	TS	SP	WB	036						13 5	102					11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSSPWBC00	0	LWG0104R003TSSPWB036	ok
10/7/2002	11 13	ORNZ83FT	7620445.2891	714453 2947	EB2A	SP037WB	IS	electrobackpack	LWG01	04R003	TS	SP	WB	037						32.3	138					11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSSPWBC00	0	LWG0104R003TSSPWB037	ok
10/7/2002	11 20	ORNZ83FT	7628527.331	701634.5207	EB2B	SP010WB	IS	electrobackpack	LWG01	07R003	TS	SP	WB	010						39 9	140					11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSSPWBC00	0	LWG0107R003TSSPWB010	ok
10/7/2002	11 20	ORNZ83FT	7628527 331	701634 5207	EB2B	SP011WB	IS	electrobackpack	LWG01	07R003	TS	SP	WB	011						8 8	90										LWG0107R003TSSPWB011	ok
10/7/2002	11.20	ORNZ83FT	7628527.331	701634.5207	EB2B	SP012WB	IS	electrobackpack	LWG01	07R003	TS	SP	WB	012						14 4	105					11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSSPWBC00	0	LWG0107R003TSSPWB012	ok
10/7/2002	12 10	ORNZ83FT	7628527 331	701634.5207	CT2	CR001WB	IS	Crayfish trap	LWG01	07R003	TS	CR	WB	001		71 4				43 7	122					11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSCRWBC00	0	LWG0107R003TSCRWB001	ok
10/7/2002	12 10	ORNZ83FT	7628527 331	701634 5207	CT2	CR002WB	IS	Crayfish trap	LWG01	07R003	TS	CR	WB	002		41 3				40 6	110					11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSCRWBC00	0	LWG0107R003TSCRWB002	ok
10/7/2002	12 10	ORNZ83FT	7628527 331	701634 5207	CT2	CR003WB	IS	Crayfish trap	LWG01	07R003	TS	CR	WB	003		28 4				28	100					11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSCRWBC00	0	LWG0107R003TSCRWB003	ok
10/7/2002	12 10	ORNZ83FT	7628527 331	701634 5207	CT2	CR004WB	IS	Crayfish trap	LWG01	07R003	TS	CR	WB	004		29 4				26 4	103					11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSCRWBC00	0	LWG0107R003TSCRWB004	ok
10/7/2002	12 15	ORNZ83FT	7636425 5325	699410 8598	TL3	BB027WB	IS	Trot Line	LWG01	FZ0609	TS	BB	WB	027						218 1	250					11/22_1	11/27/2002	EF/JS	LWG01FZ0609TSBBWBC10	1	LWG01FZ0609TSBBWB027	ok
10/7/2002	12 15	ORNZ83FT	7636425 5325	699410 8598	TL3	BB028WB	IS	Trot Line	LWG01	FZ0609	TS	BB	WB	028		188 9				189.2	249					11/22_3	11/27/2002	EF/JS	LWG01FZ0609TSBBWBC30	3	LWG01FZ0609TSBBWB028	ok
10/7/2002	12.35	ORNZ83FT	7636478 9589	699314 7100	TL4	BB029WB	IS	Trot Line	LWG01	FZ0609	TS	BB	WB	029		308 5				306 7	280					11/22_3	11/27/2002	EF/JS	LWG01FZ0609TSBBWBC30	3	LWG01FZ0609TSBBWB029	ok
10/7/2002	12.35	ORNZ83FT	7636478 9589	699314 7100	TL4	BB030WB	IS	Trot Line	LWG01	FZ0609	TS	BB	WB	030		211 1				205 9	248					11/22_1	11/27/2002	EF/JS	LWG01FZ0609TSBBWBC10	1	LWG01FZ0609TSBBWB030	ok
10/7/2002	13 28	ORNZ83FT	7631784 9001	697599 8369	TL5	BB026WB	IS	Trot Line	LWG01	FZ0609	TS	BB	WB	026		249.3				246 9	274					11/22_1	11/27/2002	EF/JS	LWG01FZ0609TSBBWBC10	1	LWG01FZ0609TSBBWB026	ok
10/7/2002	13 46	ORNZ83FT	7618593 4209	715458 7650	EB4A	SP021WB	IS	electrobackpack	LWG01	03R004	TS	SP	WB	021						16 6	107					11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC10	1	LWG0103R004TSSPWB021	ok
10/7/2002	13 46	ORNZ83FT	7618593 4209	715458 7650	EB4A	SP022WB	IS	electrobackpack	LWG01	03R004	TS	SP	WB	022						26 9	130					11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC10	1	LWG0103R004TSSPWB022	ok
10/7/2002	13 46	ORNZ83FT	7618593 4209	715458 7650	EB4A	SP023WB	IS	electrobackpack	LWG01	03R004	TS	SP	WB	023						10 9	99					11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC10	1	LWG0103R004TSSPWB023	ok
10/7/2002	13 46	ORNZ83FT	7618593 4209	715458 7650	EB4A	SP024WB	IS	electrobackpack	LWG01	03R004	TS	SP	WB	024						23 3	120					11/19_1	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC10	1	LWG0103R004TSSPWB024	ok
10/7/2002	13 46	ORNZ83FT	7618593 4209	715458 7650	EB4A	SP025WB	IS	electrobackpack	LWG01	03R004	TS	SP	WB	025						15 9	96					11/19_2	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC20	2	LWG0103R004TSSPWB025	ok
10/7/2002	13 46	ORNZ83FT	7618593 4209	715458 7650	EB4A	SP026WB	IS	electrobackpack	LWG01	03R004	TS	SP	WB	026						12.5	98					11/19_2	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC20	2	LWG0103R004TSSPWB026	ok
10/7/2002	14 27	ORNZ83FT	7615793 764	717936 7904	EB5A	SP052WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	052						11	98					11/19_1	11/20	LF/JS/SN/JC	LWG0103R002TSSPWBC20	2	LWG0103R002TSSPWB052	ok
10/7/2002	14 27	ORNZ83FT	7615793 764	717936 7904	EB5A	SP053WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	053						14.3	107					11/19_1	11/20	LF/JS/SN/JC	LWG0103R002TSSPWBC20	2	LWG0103R002TSSPWB053	ok
10/7/2002	14 27	ORNZ83FT	7615793 764	717936 7904	EB5A	SP054WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	054						20 1	119					11/19_1	11/20	LF/JS/SN/JC	LWG0103R002TSSPWBC20	2	LWG0103R002TSSPWB054	ok
10/7/2002	14 27	ORNZ83FT	7615793 764	717936 7904	EB5A	SP055WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	055						16.2	109					11/19_1	11/20	LF/JS/SN/JC	LWG0103R002TSSPWBC20	2	LWG0103R002TSSPWB055	ok
10/7/2002	14 27	ORNZ83FT	7615793 764	717936 7904	EB5A	SP056WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	056	Unusable					10 5	98										LWG0103R002TSSPWB056	ok
10/7/2002	14 27	ORNZ83FT	7615793 764	717936 7904	EB5A	SP057WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	057						12 3	100					11/19_1	11/20	LF/JS/SN/JC	LWG0103R002TSSPWBC20	2	LWG0103R002TSSPWB057	ok
10/7/2002	14 27	ORNZ83FT	7615793 764	717936 7904	EB5A	SP058WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	058	Unusable					7 9	82										LWG0103R002TSSPWB058	ok
10/7/2002	14 27	ORNZ83FT	7615793 764	717936 7904	EB5A	SP059WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	059						13 9	98					11/19_1	11/20	LF/JS/SN/JC	LWG0103R002TSSPWBC20	2	LWG0103R002TSSPWB059	ok
10/7/2002	14 27	ORNZ83FT	7615793 764	717936 7904	EB5A	SP060WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	060						10 9	97					11/19_1	11/20	LF/JS/SN/JC	LWG0103R002TSSPWBC20	2	LWG0103R002TSSPWB060	ok
10/7/2002	14 36	ORNZ83FT	7621568 932	707688 5029	EB3B	SP034WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	034						21	123					11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB034	ok
10/7/2002	14 36	ORNZ83FT	7621568 932	707688 5029	EB3B	SP035WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	035						11 4	103										LWG0105R020TSSPWB035	ok
10/7/2002	14.36	ORNZ83FT	7621568 932	707688 5029	EB3B	SP036WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	036						8 4	89										LWG0105R020TSSPWB036	ok
10/7/2002	14 36	ORNZ83FT	7621568 932	707688 5029	EB3B	SP037WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	037						12	102										LWG0105R020TSSPWB037	ok
10/7/2002	14 36	ORNZ83FT	7621568 932	707688 5029	EB3B	SP038WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	038						13.3	100					11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB038	ok
10/7/2002	14 36	ORNZ83FT	7621568 932	707688 5029	EB3B	SP039WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	039						17.2	105					11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB039	ok
10/7/2002	14 36	ORNZ83FT	7621568 932	707688 5029	EB3B	SP040WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	040						11.8	100										LWG0105R020TSSPWB040	ok
10/7/2002	14.36	ORNZ83FT	7621568 932	707688.5029	EB3B	SP041WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	041						8 7	94										LWG0105R020TSSPWB041	ok
10/7/2002	14 36	ORNZ83FT	7621568 932	707688.5029	EB3B	SP042WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	042						13 9	107					11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB042	ok
10/7/2002	14 36	ORNZ83FT	7621568 932	707688.5029	EB3B	SP043WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	043						9 5	104										LWG0105R020TSSPWB043	ok
10/7/2002	14 36	ORNZ83FT	7621568 932	707688 5029	EB3B	SP044WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	044						8.2	90										LWG0105R020TSSPWB044	ok
10/7/2002	14 36	ORNZ83FT	7621568 932	707688 5029	EB3B	SP045WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	045						14 7	105					11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB045	ok
10/7/2002	15 00	ORNZ83FT	7631883.3901	697562 0073	CT3	CR041WB	IS	Crayfish trap	LWG01	08R001	TS	CR	WB	041		45 9				45.5	111					11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSCRWBC00	0	LWG0108R001TSCRWB041	ok
10/7/2002	15 00	ORNZ83FT	7631883.3901	697562 0073	CT3	CR042WB	IS	Crayfish trap	LWG01	08R001	TS	CR	WB	042		30 5				30.3	107					11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSCRWBC00	0	LWG0108R001TSCRWB042	ok
10/7/2002	15 00	ORNZ83FT	7631883.3901	697562 0073	CT3	CR043WB	IS	Crayfish trap	LWG01	08R001	TS	CR	WB	043		34 6				34.2	110					11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSCRWBC00	0	LWG0108R001TSCRWB043	ok
10/7/2002	15 00	ORNZ83FT	7631883.3901	697562 0073	CT3	CR044WB	IS	Crayfish trap	LWG01	08R001	TS	CR	WB	044		22 5				22	90										LWG0108R001TSCRWB044	ok
10/7/2002	15 00	ORNZ83FT	7631883.3901	697562 0073	CT3	CR045WB	IS	Crayfish trap	LWG01	08R001	TS	CR	WB	045		53 4				52 4	110					11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSCRWBC00	0	LWG0108R001TSCRWB045	ok
10/7/2002	15 00	ORNZ83FT	7631883.3901	697562 0073	CT3	CR046WB	IS	Crayfish trap	LWG01	08R001	TS	CR	WB	046		33				32.2	98										LWG0108R001TSCRWB046	ok
10/7/2002	15 18	ORNZ83FT	7617312 3512	723793 7470	EB6A	CR001WB	IS	electrobackpack	LWG01	02R015	TS	CR	WB	001		44 9				70 3	99										LWG0102R015TSCRWB001	ok
10/7/2002	15 18	ORNZ83FT	7617312.3512	723793 7470	EB6A	SP001WB	IS	electrobackpack	LWG01	02R015	TS	SP	WB	001						24 6	130					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSSPWBC00	0	LWG0102R015TSSPWB001	ok
10/7/2002	15 18	ORNZ83FT	7617312.3512	723793 7470	EB6A	SP002WB	IS	electrobackpack	LWG01	02R015	TS	SP	WB	002						17 4	112					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSSPWBC00	0	LWG0102R015TSSPWB002	ok
10/7/2002	15 18	ORNZ83FT	7617312.3512	723793 7470	EB6A	SP003WB	IS	electrobackpack	LWG01	02R015	TS	SP	WB	003						22 1	120					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSSPWBC00	0	LWG0102R015TSSPWB003	ok
10/7/2002	15 18	ORNZ83FT	7617312.3512	723793 7470	EB6A	SP004WB	IS	electrobackpack	LWG01	02R015	TS	SP	WB	004						11 5	101					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSSPWBC00	0	LWG0102R015TSSPWB004	ok
10/7/2002	15 18	ORNZ83FT	7617312.3512	723793 7470	EB6A	SP005WB	IS	electrobackpack	LWG01	02R015	TS	SP	WB	005						9 7	96										LWG0102R015TSSPWB005	ok
10/7/2002	15 24	ORNZ83FT	7626905 198	705809.3512	EB4B	SP022WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	022						11.3	96					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSSPWBC20	2	LWG0106R002TSSPWB022	ok
10/7/2002	15 24	ORNZ83FT	7626905 198	705809.3512	EB4B	SP023WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	023						23	123					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSSPWBC20	2	LWG0106R002TSSPWB023	ok
10/7/2002	15 24	ORNZ83FT	7626905 198	705809 3512	EB4B	SP024WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	024						20 2	118					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSSPWBC20	2	LWG0106R002TSSPWB024	ok
10/7/2002	15 24	ORNZ83FT	7626905 198	705809.3512	EB4B	SP025WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	025						18.3	107					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSSPWBC20	2	LWG0106R002TSSPWB025	ok
10/7/2002	15.24	ORNZ83FT	7626905 198	705809 3512	EB4B	SP026WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	026						13 1	103					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSSPWBC20	2	LWG0106R002TSSPWB026	ok
10/7/2002	15 24	ORNZ83FT	7626905 198	705809.3512	EB4B	SP027WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	027						6 9	88										LWG0106R002TSSPWB027	ok
10/7/2002	15 24	ORNZ83FT	7626905 198	705809.3512	EB4B	SP028WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	028						21 2	123					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSSPWBC20	2	LWG0106R002TSSPWB028	ok
10/7/2002	15 24	ORNZ83FT	7626905 198	705809.3512	EB4B	SP029WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	029						15 8	111					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSSPWBC20	2	LWG0106R002TSSPWB029	ok
10/7/2002	15 24	ORNZ83FT	7626905 198	705809.3512	EB4B	SP030WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	030						19 1	112					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSSPWBC20	2	LWG0106R002TSSPWB030	ok
10/7/2002	15 24	ORNZ83FT	7626905 198	705809 3512	EB4B	SP031WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	031						17 9	112					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSSPWBC20	2	LWG0106R002TSSPWB031	ok
10/7/2002	15 24	ORNZ83FT	7626905 198	705809 3512	EB4B	SP032WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	032						8 4	93										LWG0106R002TSSPWB032	ok
10/7/2002	15.30	ORNZ83FT	7637535 0118	694153 3922	CT4	CR007WB	IS	Crayfish trap	LWG01	09R003	TS	CR	WB	007						40 6	108					11/19_1	11/20	LF/JS/SN/JC	LWG0109R003TSCRWBC00	0	LWG0109R003TSCRWB007	ok
10/7/2002	15 30	ORNZ83FT	7637535 0118	694153 3922	CT4	CR008WB	IS	Crayfish trap	LWG01	09R003	TS	CR	WB	008						41 7	109					11/19_1	11/20	LF/JS/SN/JC	LWG0109R003TSCRWBC00	0	LWG0109R003TSCRWB008	ok
10/7/2002	15 30	ORNZ83FT	7637535 0118	694153.3922	CT4	CR009WB	IS	Crayfish trap	LWG01	09R003	TS	CR	WB	009						26 8	100										LWG0109R003TSCRWB009	ok
10/7/2002	15 30	ORNZ83FT	7637535 0118	694153.3922	CT4	CR010WB	IS	Crayfish trap	LWG01	09R003	TS	CR	WB	010						38 8	109					11/19_1	11/20	LF/JS/SN/JC	LWG0109R003TSCRWBC00	0	LWG0109R003TSCRWB010	ok
10/7/2002	15 30	ORNZ83FT	7637535 0118	694153.3922	CT4	CR011WB	IS	Crayfish trap	LWG01	09R003	TS	CR	WB	011						18 5	83										LWG0109R003TSCRWB011	ok
10/7/2002	15 30	ORNZ83FT	7637535 0118	694153.3922	CT4	CR012WB	IS	Crayfish trap	LWG01	09R003	TS	CR	WB	012						29 8	96										LWG0109R003TSCRWB012	ok
10/8/2002	11 40	ORNZ83FT	7637535 0118	694153 3922	CT1	CR013WB	IS	Crayfish trap	LWG01	09R003	TS	CR	WB	013						63	127					11/19_1	11/20	LF/JS/SN/JC	LWG0109R003TSCRWBC00	0	LWG0109R003TSCRWB013	ok
10/8/2002	11 40	ORNZ83FT	7637535 0118	694153 3922	CT1	CR014WB	IS	Crayfish trap	LWG01	09R003	TS	CR	WB	014						32 9	99										LWG0109R003TSCRWB014	ok
10/8/2002	11 57	ORNZ83FT	7632596 018	700615 489	EB1A	SP025WB	IS	electrobackpack	LWG01	08R003	TS	SP	WB	025						11 9	93					11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSSPWBC00	0	LWG0108R003TSSPWB025	ok

Table C-1 Fish Tissue Data Master Table

Date	Time	Coord_type	X_Easting	Y_Northing	Key_Day	Map_Key	Sampler	Method	Site_Round	Station	Matrix	Species	Tissue	Sample	Excluded Sample	FieldWt_g	FieldTLgth_mm	FieldFLgth_mm	FieldCmnts	LabWt_g	LabTLgth_mm	LabFLgth_mm	LabFSWt_g	LabFLWt_g	LabCmnts	Comp	SentToLab	Packer	Comp_sample_code	rep_code	sample_code	dup_check
10/8/2002	12 45	ORNZ83FT	7627272.025	705322.597	CT3	CR009WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	009						68.5	131					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSCRWBC00	0	LWG0106R002TSCRWB009	ok
10/8/2002	12 45	ORNZ83FT	7627272.025	705322 597	CT3	CR010WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	010						40 9	110					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSCRWBC00	0	LWG0106R002TSCRWB010	ok
10/8/2002	12 45	ORNZ83FT	7627272 025	705322.597	CT3	CR011WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	011						35.2	96										LWG0106R002TSCRWB011	ok
10/8/2002	12 45	ORNZ83FT	7627272 025	705322 597	CT3	CR012WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	012						59 2	120										LWG0106R002TSCRWB012	ok
10/8/2002	12 45	ORNZ83FT	7627272 025	705322 597	CT3	CR013WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	013						34 9	100										LWG0106R002TSCRWB013	ok
10/8/2002	12 45	ORNZ83FT	7627272 025	705322 597	CT3	CR014WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	014		39.3				38 8	111										LWG0106R002TSCRWB014	ok
10/8/2002	12 45	ORNZ83FT	7627272 025	705322.597	CT3	CR015WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	015						63 9	121										LWG0106R002TSCRWB015	ok
10/8/2002	12 45	ORNZ83FT	7627272 025	705322.597	CT3	CR016WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	016						43 1	100										LWG0106R002TSCRWB016	ok
10/8/2002	12 45	ORNZ83FT	7627272.025	705322 597	CT3	CR017WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	017						47 8	115										LWG0106R002TSCRWB017	ok
10/8/2002	12 45	ORNZ83FT	7627272 025	705322.597	CT3	CR018WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	018						33 9	106										LWG0106R002TSCRWB018	ok
10/8/2002	12 45	ORNZ83FT	7627272 025	705322 597	CT3	CR019WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	019						44 5	115										LWG0106R002TSCRWB019	ok
10/8/2002	12 45	ORNZ83FT	7627272 025	705322 597	CT3	CR020WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	020						33.5	102										LWG0106R002TSCRWB020	ok
10/8/2002	12.45	ORNZ83FT	7627272 025	705322 597	CT3	CR021WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	021						41.3	111										LWG0106R002TSCRWB021	ok
10/8/2002	12 45	ORNZ83FT	7627272 025	705322.597	CT3	CR022WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	022						55	111										LWG0106R002TSCRWB022	ok
10/8/2002	12 45	ORNZ83FT	7627272 025	705322.597	CT3	CR023WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	023						42.9	106										LWG0106R002TSCRWB023	ok
10/8/2002	12 45	ORNZ83FT	7627272 025	705322 597	CT3	CR024WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	024						37 5	110										LWG0106R002TSCRWB024	ok
10/8/2002	12 45	ORNZ83FT	7627272 025	705322 597	CT3	CR025WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	025						32 1	100										LWG0106R002TSCRWB025	ok
10/8/2002	12 45	ORNZ83FT	7627272 025	705322 597	CT3	CR026WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	026						38.3	106										LWG0106R002TSCRWB026	ok
10/8/2002	12 45	ORNZ83FT	7627272 025	705322 597	CT3	CR027WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	027						40 9	109										LWG0106R002TSCRWB027	ok
10/8/2002	12 45	ORNZ83FT	7627272 025	705322.597	CT3	CR028WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	028						36 9	105										LWG0106R002TSCRWB028	ok
10/8/2002	12 45	ORNZ83FT	7627272 025	705322.597	CT3	CR029WB	IS	Crayfish trap	LWG01	06R002	TS	CR	WB	029						45 8	113										LWG0106R002TSCRWB029	ok
10/8/2002	12 52	ORNZ83FT	7617312.3512	723793 7470	EB2A	SP006WB	IS	electrobackpack	LWG01	02R015	TS	SP	WB	006						22 9	119					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSSPWBC00	0	LWG0102R015TSSPWB006	ok
10/8/2002	12 52	ORNZ83FT	7617312.3512	723793 7470	EB2A	SP007WB	IS	electrobackpack	LWG01	02R015	TS	SP	WB	007						15	102					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSSPWBC00	0	LWG0102R015TSSPWB007	ok
10/8/2002	12 52	ORNZ83FT	7617312.3512	723793 7470	EB2A	SP008WB	IS	electrobackpack	LWG01	02R015	TS	SP	WB	008						12.2	100					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSSPWBC00	0	LWG0102R015TSSPWB008	ok
10/8/2002	12 52	ORNZ83FT	7617312.3512	723793 7470	EB2A	SP009WB	IS	electrobackpack	LWG01	02R015	TS	SP	WB	009						8 9	90										LWG0102R015TSSPWB009	ok
10/8/2002	12 52	ORNZ83FT	7617312 3512	723793 7470	EB2A	SP010WB	IS	electrobackpack	LWG01	02R015	TS	SP	WB	010						10 4	91					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSSPWBC00	0	LWG0102R015TSSPWB010	ok
10/8/2002	12.52	ORNZ83FT	7617312.3512	723793 7470	EB2A	SP011WB	IS	electrobackpack	LWG01	02R015	TS	SP	WB	011						13 6	102					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSSPWBC00	0	LWG0102R015TSSPWB011	ok
10/8/2002	12 52	ORNZ83FT	7617312.3512	723793 7470	EB2A	SP012WB	IS	electrobackpack	LWG01	02R015	TS	SP	WB	012						8 7	90										LWG0102R015TSSPWB012	ok
10/8/2002	12 52	ORNZ83FT	7617312.3512	723793 7470	EB2A	SP013WB	IS	electrobackpack	LWG01	02R015	TS	SP	WB	013						7 4	90										LWG0102R015TSSPWB013	ok
10/8/2002	12 52	ORNZ83FT	7617312.3512	723793 7470	EB2A	SP014WB	IS	electrobackpack	LWG01	02R015	TS	SP	WB	014						7 1	90										LWG0102R015TSSPWB014	ok
10/8/2002	12 52	ORNZ83FT	7617312 3512	723793 7470	EB2A	SP015WB	IS	electrobackpack	LWG01	02R015	TS	SP	WB	015						5 3	82										LWG0102R015TSSPWB015	ok
10/8/2002	13 27	ORNZ83FT	7622626.9215	706157 1821	CT4	CR011WB	IS	Crayfish trap	LWG01	06R001	TS	CR	WB	011						25 7	85										LWG0106R001TSCRWB011	ok
10/8/2002	13.27	ORNZ83FT	7622626 9215	706157 1821	CT4	CR012WB	IS	Crayfish trap	LWG01	06R001	TS	CR	WB	012						27 5	92										LWG0106R001TSCRWB012	ok
10/8/2002	13 38	ORNZ83FT	7626197 5951	704173.3491	EB3B	SP025WB	IS	electrobackpack	LWG01	06R004	TS	SP	WB	025						10 4	95										LWG0106R004TSSPWB025	ok
10/8/2002	13 42	ORNZ83FT	7626725 6430	703664.2757	TL3	NP005WB	IS	Trot Line	LWG01	07R009	TS	NP	WB	005		1122.3				1120 1	502	470									LWG0107R009TSNPWB005	ok
10/8/2002	14 17	ORNZ83FT	7615793 764	717936 7904	EB3A	SP061WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	061						38 7	150					11/19_1	11/20	LF/JS/SN/JC	LWG0103R002TSSPWBC20	2	LWG0103R002TSSPWB061	ok
10/8/2002	14 17	ORNZ83FT	7615793 764	717936 7904	EB3A	SP062WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	062						19.3	116					11/19_1	11/20	LF/JS/SN/JC	LWG0103R002TSSPWBC20	2	LWG0103R002TSSPWB062	ok
10/8/2002	14 17	ORNZ83FT	7615793 764	717936 7904	EB3A	SP063WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	063						18 6	111					11/19_1	11/20	LF/JS/SN/JC	LWG0103R002TSSPWBC20	2	LWG0103R002TSSPWB063	ok
10/8/2002	14 17	ORNZ83FT	7615793 764	717936 7904	EB3A	SP064WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	064	Unusable					9 9	100										LWG0103R002TSSPWB064	ok
10/8/2002	14 17	ORNZ83FT	7615793 764	717936 7904	EB3A	SP065WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	065	Unusable					8 6	95										LWG0103R002TSSPWB065	ok
10/8/2002	14 17	ORNZ83FT	7615793 764	717936 7904	EB3A	SP066WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	066	Unusable					7 7	92										LWG0103R002TSSPWB066	ok
10/8/2002	14 17	ORNZ83FT	7615793 764	717936 7904	EB3A	SP067WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	067	Unusable					7 7	95										LWG0103R002TSSPWB067	ok
10/8/2002	14 32	ORNZ83FT	7631823 1965	697597 7970	TL5	NP001WB	IS	Trot Line	LWG01	09R006	TS	NP	WB	001		558 1				556.8	395	360									LWG0109R006TSNPWB001	ok
10/8/2002	14.32	ORNZ83FT	7631823 1965	697597 7970	TL5	BB031WB	IS	Trot Line	LWG01	FZ0609	TS	BB	WB	031		267 8				264 9	278					11/22_1	11/27/2002	EF/JS	LWG01FZ0609TSBBWBC10	1	LWG01FZ0609TSBBWB031	ok
10/8/2002	14 47	ORNZ83FT	7620445.2891	714453 2947	EB4A	SP038WB	IS	electrobackpack	LWG01	04R003	TS	SP	WB	038						12 9	109					11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSSPWBC00	0	LWG0104R003TSSPWB038	ok
10/8/2002	14 47	ORNZ83FT	7620445.2891	714453 2947	EB4A	SP039WB	IS	electrobackpack	LWG01	04R003	TS	SP	WB	039						11 8	100					11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSSPWBC00	0	LWG0104R003TSSPWB039	ok
10/8/2002	15 05	ORNZ83FT	7618246.334	712208 1499	CT5	CR011WB	IS	Crayfish trap	LWG01	04R004	TS	CR	WB	011						32.5	102					11/19_2	11/20	LF/JS/SN/JC	LWG0104R004TSCRWBC20	2	LWG0104R004TSCRWB011	ok
10/8/2002	15 05	ORNZ83FT	7618242 694	712206 7888	CT5	CR012WB	IS	Crayfish trap	LWG01	04R004	TS	CR	WB	012						36.3	114					11/19_2	11/20	LF/JS/SN/JC	LWG0104R004TSCRWBC20	2	LWG0104R004TSCRWB012	ok
10/8/2002	15 05	ORNZ83FT	7618242 694	712206 7888	CT5	CR013WB	IS	Crayfish trap	LWG01	04R004	TS	CR	WB	013						37 8	110					11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSCRWBC10	1	LWG0104R004TSCRWB013	ok
10/8/2002	15-05	ORNZ83FT	7618242 694	712206 7888	CT5	CR014WB	IS	Crayfish trap	LWG01	04R004	TS	CR	WB	014						45	110					11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSCRWBC10	1	LWG0104R004TSCRWB014	ok
10/8/2002	15-05	ORNZ83FT	7618242 694	712206 7888	CT5	CR015WB	IS	Crayfish trap	LWG01	04R004	TS	CR	WB	015						43 6	100					11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSCRWBC10	1	LWG0104R004TSCRWB015	ok
10/8/2002	15-05	ORNZ83FT	7618242 694	712206 7888	CT5	CR016WB	IS	Crayfish trap	LWG01	04R004	TS	CR	WB	016						42 9	117					11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSCRWBC10	1	LWG0104R004TSCRWB016	ok
10/8/2002	15 44	ORNZ83FT	7620498 4850	713333.5569	EB5A	SP019WB	IS	electrobackpack	LWG01	04R002	TS	SP	WB	019						34 6	140					11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB019	ok
10/8/2002	15 44	ORNZ83FT	7620498 4850	713333 5569	EB5A	SP020WB	IS	electrobackpack	LWG01	04R002	TS	SP	WB	020						31 7	133					11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB020	ok
10/8/2002	15 44	ORNZ83FT	7620498 4850	713333.5569	EB5A	SP021WB	IS	electrobackpack	LWG01	04R002	TS	SP	WB	021						12 1	100					11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB021	ok
10/8/2002	15 44	ORNZ83FT	7620498 4850	713333.5569	EB5A	SP022WB	IS	electrobackpack	LWG01	04R002	TS	SP	WB	022						12	100					11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB022	ok
10/8/2002	15 44	ORNZ83FT	7620498 4850	713333 5569	EB5A	SP023WB	IS	electrobackpack	LWG01	04R002	TS	SP	WB	023						12.3	102					11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB023	ok
10/8/2002	15 44	ORNZ83FT	7620498 4850	713333 5569	EB5A	SP024WB	IS	electrobackpack	LWG01	04R002	TS	SP	WB	024						11 6	100					11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSSPWBC00	0	LWG0104R002TSSPWB024	ok
10/8/2002	15 55	ORNZ83FT	7616899 788	720151 055	CT6	CR013WB	IS	Crayfish trap	LWG01	03R008	TS	CR	WB	013						31 1	100										LWG0103R008TSCRWB013	ok
10/8/2002	15 55	ORNZ83FT	7616899 788	720151 055	CT6	CR014WB	IS	Crayfish trap	LWG01	03R008	TS	CR	WB	014						31 6	91										LWG0103R008TSCRWB014	ok
10/8/2002	15 55	ORNZ83FT	7616899 788	720151 055	CT6	CR015WB	IS	Crayfish trap	LWG01	03R008	TS	CR	WB	015						29	99										LWG0103R008TSCRWB015	ok
10/8/2002	15.55	ORNZ83FT	7616899 788	720151 055	CT6	CR016WB	IS	Crayfish trap	LWG01	03R008	TS	CR	WB	016		45 4				43 2	105					11/19_1	11/20	LF/JS/SN/JC	LWG0103R008TSCRWBC00	0	LWG0103R008TSCRWB016	ok
10/9/2002	10 51	ORNZ83FT	7632596 018	700615 489	CT1	CR010WB	IS	Crayfish trap	LWG01	08R003	TS	CR	WB	010						27	99										LWG0108R003TSCRWB010	ok
10/9/2002	10-51	ORNZ83FT	7632596 018	700615 489	CT1	CR011WB	IS	Crayfish trap	LWG01	08R003	TS	CR	WB	011						40	105					11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSCRWBC00	0	LWG0108R003TSCRWB011	ok
10/9/2002	11.21	ORNZ83FT	7616424 2297	716441 4165	EB3B	SP017WB	IS	electrobackpack	LWG01	03R032	TS	SP	WB	017						8 6	95										LWG0103R032TSSPWB017	ok
10/9/2002	11 21	ORNZ83FT	7616424.2297	716441 4165	EB3B	SP018WB	IS	electrobackpack	LWG01	03R032	TS	SP	WB	018						11 2	100					11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB018	ok
10/9/2002	11 21	ORNZ83FT	7616424.2297	716441 4165	EB3B	SP019WB	IS	electrobackpack	LWG01	03R032	TS	SP	WB	019						12.3	102					11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB019	ok
10/9/2002	11 23	ORNZ83FT	7628527.331	701634 5207	CT2	CR005WB	IS	Crayfish trap	LWG01	07R003	TS	CR	WB	005						47 5	112					11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSCRWBC00	0	LWG0107R003TSCRWB005	ok
10/9/2002	11 23	ORNZ83FT	7628527 331	701634 5207	CT2	CR006WB	IS	Crayfish trap	LWG01	07R003	TS	CR	WB	006						51	118					11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSCRWBC00	0	LWG0107R003TSCRWB006	ok
10/9/2002	11 23	ORNZ83FT	7628527 331	701634.5207	CT2	CR007WB	IS	Crayfish trap	LWG01	07R003	TS	CR	WB	007						48	110					11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSCRWBC00	0	LWG0107R003TSCRWB007	ok
10/9/2002	11 47	ORNZ83FT	7632596 018	700615 489	EB2A	SP026WB	IS	electrobackpack	LWG01	08R003	TS	SP	WB	026						7 3	86										LWG0108R003TSSPWB026	ok
10/8/2002	11 51	ORNZ83FT	7622626 9215	706157 1821	CT3	CR013WB	IS	Crayfish trap	LWG01	06R001	TS	CR	WB	013						36	111					11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSCRWBC00	0	LWG0106R001TSCRWB013	ok
10/9/2002	11 51	ORNZ83FT	7622626 9215	706157 1821	CT3	CR014WB	IS	Crayfish trap	LWG01	06R001	TS	CR	WB	014						46 6	110					11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSCRWBC00	0	LWG0106R001TSCRWB014	ok
10/9/2002	12 13	ORNZ83FT	7628527 331	701634 5207	EB3A	SP013WB	IS	electrobackpack	LWG01	07R003	TS	SP	WB	013						25 3	128					11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSSPWBC00	0	LWG0107R003TSSPWB013	ok
10/9/2002	12 21	ORNZ83FT	7619890.553	717113 6676	CT4	CR009WB	IS	Crayfish trap	LWG01	03R005	TS	CR	WB	009						75 8	126					11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSCRWBC00	0	LWG0103R005TSCRWB009	ok
10/9/2002	12 55	ORNZ83FT	7615740 183	718033 1391	CT5	CR008WB	IS	Crayfish trap	LWG01	03R009	TS	CR	WB	008						41 4	108					11/19_1	11/20	LF/JS/SN/JC	LWG0103R009TSCRWBC00	0	LWG0103R009TSCRWB008	ok
10/9/2002	12 55	ORNZ83FT	7615740 183	718033 1391	CT5	CR009WB	IS	Crayfish trap	LWG01	03R009	TS	CR	WB	009						44	103					11/19_1	11/20	LF/JS/SN/JC	LWG0103R009TSCRWBC00	0	LWG0103R009TSCRWB009	ok
10/9/2002	13 12	ORNZ83FT	7626905 198	705809 3512	EB4A	SP033WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	033						12 6	109					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSSPWBC20	2	LWG0106R002TSSPWB033	ok
10/9/2002	13 12	ORNZ83FT	7626905 198	705809.3512	EB4A	SP034WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	034						25	128					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSSPWBC20	2	LWG0106R002TSSPWB034	ok
10/9/2002	13 12	ORNZ83FT	7626905 198	705809.3512	EB4A	SP035WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	035						22 4	121					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSSPWBC20	2	LWG0106R002TSSPWB035	ok
10/9/2002	13 12	ORNZ83FT	7626905 198	705809 3512	EB4A	SP036WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	036						27	130					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSSPWBC20	2	LWG0106R002TSSPWB036	ok
10/9/2002	13 12	ORNZ83FT	7626905 198	705809.3512	EB4A	SP037WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	037						22 1	119					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSSPWBC20	2	LWG0106R002TSSPWB037	ok
10/9/2002	13 12	ORNZ83FT	7626905 198	705809.3512	EB4A	SP038WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	038						28 8	125					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSSPWBC20	2	LWG0106R002TSSPWB038	ok
10/9/2002	13 12	ORNZ83FT	7626905 198	705809.3512	EB4A	SP039WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	039						17.5	112					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSSPWBC20	2	LWG0106R002TSSPWB039	ok
10/9/2002	13 12	ORNZ83FT	7626905 198	705809.3512	EB4A	SP040WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	040						7 6	85										LWG0106R002TSSPWB040	ok
10/9/2002	13 12	ORNZ83FT	7626905 198	705809.3512	EB4A	SP041WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	041						7 6	89										LWG0106R002TSSPWB041	ok
10/9/2002	13 54	ORNZ83FT	7630529 1285	699320 4160	TL4	NP001WB	IS	Trot Line	LWG01	08R032	TS	NP	WB	001		346 1				341 6	350	327									LWG0108R032TSNPWB001	ok
10/9/2002	14-06	ORNZ83FT	7616899 788	720151 055	CT6	CR017WB	IS	Crayfish trap	LWG01	03R008	TS	CR	WB	017						30 8	105										LWG0103R008TSCRWB017	ok
10/9/2002	14 12	ORNZ83FT	7615793 764	717936 7904	EB6B	SP068WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	068						11 6	100					11/19_1	11/20	LF/JS/SN/JC	LWG0103R002TSSPWBC20	2	LWG0103R002TSSPWB068	ok
10/9/2002	14 12	ORNZ83FT	7615793 764	717936 7904	EB6B	SP069WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	069						11 2	101					11/19_1	11/20	LF/JS/SN/JC	LWG0103R002TSSPWBC20	2	LWG0103R002TSSPWB069	ok
10/9/2002	14 12	ORNZ83FT	7615793 764	717936 7904	EB6B	SP070WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	070	Unusable					9 7	96										LWG0103R002TSSPWB070	ok
10/9/2002	14 12	ORNZ83FT	7615793 764	717936 7904	EB6B	SP071WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	071	Unusable					9 1	95										LWG0103R002TSSPWB071	ok
10/9/2002	14 12	ORNZ83FT	7615793 764	717936 7904	EB6B	SP072WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	072	Unusable					8 4	89										LWG0103R002TSSPWB072	ok
10/9/2002	14 12	ORNZ83FT	7615793 764	717936 7904	EB6B	SP073WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	073	Unusable					8 1	94										LWG0103R002TSSPWB073	ok
10/9/2002	14 15	ORNZ83FT	7631778.8247	697515 9986	TL5	BB032WB	IS	Trot Line	LWG01	FZ0609	TS	BB	WB	032		262 4				260 8	275					11/22_2	11/27/2002	EF/JS	LWG01FZ0609TSBBWBC20	2	LWG01FZ0609TSBBWB032	ok
10/9/2002	14 15	ORNZ83FT	7631778 8247	697515 9986	TL5	BB033WB	IS	Trot Line	LWG01	FZ0609	TS	BB	WB	033		279 6				275 8	278					11/22_3	11/27/2002	EF/JS	LWG01FZ0609TSBBWBC30	3	LWG01FZ0609TSBBWB033	ok
10/9/2002	14 37	ORNZ83FT	7621568 932	707688.5029	EB5A	SP046WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	046						11 9	96										LWG0105R020TSSPWB046	ok
10/9/2002	14 37	ORNZ83FT	7621568 932	707688.5029	EB5A	SP047WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	047						8 9	92										LWG0105R020TSSPWB047	ok
10/9/2002	14.37	ORNZ83FT	7621568 932	707688.5029	EB5A	SP048WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	048						13 3	99					11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB048	ok
10/9/2002	14 37	ORNZ83FT	7621568 932	707688 5029	EB5A	SP049WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	049						8 8	90										LWG0105R020TSSPWB049	ok
10/9/2002	14 37	ORNZ83FT	7621568 932	707688 5029	EB5A	SP050WB	IS	electrobackpack	LWG01	05R020	TS	SP	WB	050						11	99										LWG0105R020TSSPWB050	ok
10/9/2002	15 12	ORNZ83FT	7632253 6210	697301 6385	EF2	SB007WB	IS	Trot Line	LWG01	09R006	TS	SB	WB	007						171 6	244	235				11/26_1	11/27	EF/JS	LWG0109R006TSSBWBC00	0	LWG0109R006TSSBWB007	ok
10/10/2002	10-50	ORNZ83FT	7628534 404	701735 912	CT2	CR008WB	IS	Crayfish trap	LWG01	07R003	TS	CR	WB	008						50.3	105					11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSCRWBC00	0	LWG0107R003TSCRWB008	ok
10/10/2002	13 10	ORNZ83FT	7615821.314	717930.336	CT4	CR010WB	IS	Crayfish trap	LWG01	03R009	TS	CR	WB	010						24 8	95										LWG0103R009TSCRWB010	ok

Table C-1 *Fish Tissue Data Master Table*

Date	Time	Coord type	X Easting	Y Northing	Key Day	Map Key	Sampler	Method	Site Round	Station	Matrix	Species	Tissue	Sample	Excluded Sample*	FieldWt g	FieldTLgth mm	FieldFLgth mm	FieldCmnts	LabWt g	LabTLgth mm	LabFLgth mm	LabFSWt g	LabFLWt g	LabCmnts	Comp	SamTToLab	Packer	Comp sample code	rep code	sample code	dup check
10/10/2002	13 10	ORNZ83FT	7615821 314	717930 336	CT4	CR011WB	IS	Crayfish trap	LWG01	03R009	TS	CR	WB	011						26 2	93										LWG0103R009TSCRWB011	ok
10/10/2002	13 10	ORNZ83FT	7615821.314	717930.336	CT4	CR012WB	IS	Crayfish trap	LWG01	03R009	TS	CR	WB	012						22 9	92										LWG0103R009TSCRWB012	ok
10/10/2002	13 10	ORNZ83FT	7615821.314	717930.336	CT4	CR013WB	IS	Crayfish trap	LWG01	03R009	TS	CR	WB	013						31 1	92										LWG0103R009TSCRWB013	ok
10/10/2002	13 10	ORNZ83FT	7615821.314	717930.336	CT4	CR014WB	IS	Crayfish trap	LWG01	03R009	TS	CR	WB	014						26 1	92										LWG0103R009TSCRWB014	ok
#######	13 30	ORNZ83FT	7615783 784	717936 7904	EB3B	SP074WB	IS	electrobackpack	LWG01	03R002	TS	SP	WB	074	Unusable					8 1	99										LWG0103R002TSSPWB074	ok
10/10/2002	13 50	ORNZ83FT	7617412 614	718390 400	CT5	CR014WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	014						65 7	124					11/19_1	11/20	LF/JS/SN/JC	LWG0103R003TSCRWBC00	0	LWG0103R003TSCRWB014	ok
10/10/2002	13 50	ORNZ83FT	7617412 614	718390 400	CT5	CR015WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	015						40.3	97										LWG0103R003TSCRWB015	ok
10/10/2002	13 50	ORNZ83FT	7617412 614	718390 400	CT5	CR016WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	016						28.3	100										LWG0103R003TSCRWB016	ok
10/10/2002	13 50	ORNZ83FT	7617412 614	718390 400	CT5	CR017WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	017						28	100										LWG0103R003TSCRWB017	ok
10/10/2002	14 15	ORNZ83FT	7617251 038	723702 475	CT6	CR002WB	IS	Crayfish trap	LWG01	02R015	TS	CR	WB	002						44 8	102					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSCRWBC00	0	LWG0102R015TSCRWB002	ok
10/10/2002	14 15	ORNZ83FT	7617251 038	723702 475	CT6	CR003WB	IS	Crayfish trap	LWG01	02R015	TS	CR	WB	003						34 6	94										LWG0102R015TSCRWB003	ok
10/10/2002	14 15	ORNZ83FT	7617251 038	723702 475	CT6	CR004WB	IS	Crayfish trap	LWG01	02R015	TS	CR	WB	004						35.5	98										LWG0102R015TSCRWB004	ok
10/10/2002	14 15	ORNZ83FT	7617251 038	723702 475	CT6	CR005WB	IS	Crayfish trap	LWG01	02R015	TS	CR	WB	005						28.2	95										LWG0102R015TSCRWB005	ok
10/10/2002	14 15	ORNZ83FT	7617251 038	723702 475	CT6	CR006WB	IS	Crayfish trap	LWG01	02R015	TS	CR	WB	006						31	101					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSCRWBC00	0	LWG0102R015TSCRWB006	ok
10/10/2002	14 40	ORNZ83FT	7626905 198	705809 3512	EB4A	SP042WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	042						25 2	132					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSSPWBC20	2	LWG0106R002TSSPWB042	ok
10/10/2002	14 40	ORNZ83FT	7626905 198	705809.3512	EB4A	SP043WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	043						16 5	115					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSSPWBC20	2	LWG0106R002TSSPWB043	ok
10/10/2002	14 40	ORNZ83FT	7626905 198	705809.3512	EB4A	SP044WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	044						19 1	121					11/19_1	11/20	LF/JS/SN/JC	LWG0106R002TSSPWBC20	2	LWG0106R002TSSPWB044	ok
10/10/2002	14 40	ORNZ83FT	7626905 198	705809 3512	EB4A	SP045WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	045						9 9	110										LWG0106R002TSSPWB045	ok
10/10/2002	14 40	ORNZ83FT	7626905 198	705809.3512	EB4A	SP046WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	046						13 4	111										LWG0106R002TSSPWB046	ok
10/10/2002	17 53	ORNZ83FT	7633911 145	701441 088	EF12	SB013WB	IS	electro	LWG01	08R010	TS	SB	WB	013						200	245	220				11/15_1	11/27	EF/JS	LWG0108R010TSSBWBC10	1	LWG0108R010TSSBWB013	ok
#######	13 26	ORNZ83FT	7619303 5751	713883 1636	TL3	BC009F	IS	Trot Line	LWG01	FZ0306	TS	BC	F	009		179 6	223	214		179	226	218	29 1	42 8		12/03_1	12/11	LF/JS/JC	LWG01FZ0306TSBCFLC10 and LWG01FZ0306TSBCFSC10	1	LWG01FZ0306TSBCF009	ok
10/11/2002	9 51	ORNZ83FT	7622682 901	706189 7099	EB1A	SP019WB	IS	electrobackpack	LWG01	06R001	TS	SP	WB	019						18 2	117					11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSSPWBC00	0	LWG0106R001TSSPWB019	ok
10/11/2002	10 30	ORNZ83FT	7617272 576	723768 267	CT1	CR007WB	IS	Crayfish trap	LWG01	02R015	TS	CR	WB	007						38 9	110					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSCRWBC00	0	LWG0102R015TSCRWB007	ok
10/11/2002	10 30	ORNZ83FT	7617272 576	723768 267	CT1	CR008WB	IS	Crayfish trap	LWG01	02R015	TS	CR	WB	008						30 2	102					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSCRWBC00	0	LWG0102R015TSCRWB008	ok
10/11/2002	10 30	ORNZ83FT	7617272 576	723768 267	CT1	CR009WB	IS	Crayfish trap	LWG01	02R015	TS	CR	WB	009						30 7	93										LWG0102R015TSCRWB009	ok
10/11/2002	10 30	ORNZ83FT	7617272.576	723768.267	CT1	SP016WB	IS	Crayfish trap	LWG01	02R015	TS	SP	WB	016						41 4	141					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSSPWBC00	0	LWG0102R015TSSPWB016	ok
10/11/2002	10 58	ORNZ83FT	7621981 489	707091 240	EF9	SB002F	IS	electro	LWG01	06R024	TS	SB	F	002						250	270	259	43.3	55		11/15_1	11/27	EF/JS	LWG0106R024TSSBFLC00 and LWG0106R024TSSBFSC00	0	LWG0106R024TSSBF002	ok
10/11/2002	11 15	ORNZ83FT	7617321 946	718427 810	CT2	CR018WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	018						28 6	95										LWG0103R003TSCRWB018	ok
10/11/2002	11 15	ORNZ83FT	7617321 946	718427 810	CT2	CR019WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	019						46 2	110					11/19_1	11/20	LF/JS/SN/JC	LWG0103R003TSCRWBC00	0	LWG0103R003TSCRWB019	ok
10/11/2002	11 15	ORNZ83FT	7617321 946	718427 810	CT2	CR020WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	020						36 4	100										LWG0103R003TSCRWB020	ok
10/11/2002	11 15	ORNZ83FT	7617321 946	718427 810	CT2	CR021WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	021						60 2	117										LWG0103R003TSCRWB021	ok
10/11/2002	11 15	ORNZ83FT	7617321 946	718427 810	CT2	CR022WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	022						32 5	102										LWG0103R003TSCRWB022	ok
10/11/2002	11 15	ORNZ83FT	7617321 946	718427 810	CT2	CR023WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	023						50 2	122										LWG0103R003TSCRWB023	ok
#######	11 15	ORNZ83FT	7617321 946	718427 810	CT2	CR024WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	024						96 7	138										LWG0103R003TSCRWB024	ok
#######	11 15	ORNZ83FT	7617321 946	718427 810	CT2	CR025WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	025						26 7	99										LWG0103R003TSCRWB025	ok
#######	11 15	ORNZ83FT	7617321 946	718427 810	CT2	CR026WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	026						29 1	100										LWG0103R003TSCRWB026	ok
#######	11 15	ORNZ83FT	7617321 946	718427 810	CT2	CR027WB	IS	Crayfish trap	LWG01	03R003	TS	CR	WB	027						57 7	125										LWG0103R003TSCRWB027	ok
10/11/2002	11 53	ORNZ83FT	7624854 989	706490 571	EF12	SB003F	IS	electro	LWG01	06R024	TS	SB	F	003						232 4	260	250	36 7	47 8		11/15_1	11/27	EF/JS	LWG0106R024TSSBFLC00 and LWG0106R024TSSBFSC00	0	LWG0106R024TSSBF003	ok
10/11/2002	12 15	ORNZ83FT	7615849 354	717905.377	CT3	CR015WB	IS	Crayfish trap	LWG01	03R009	TS	CR	WB	015						38 7	100					11/19_1	11/20	LF/JS/SN/JC	LWG0103R009TSCRWBC00	0	LWG0103R009TSCRWB015	ok
10/11/2002	14 35	ORNZ83FT	7632596 018	700615 489	CT4	CR012WB	IS	Crayfish trap	LWG01	08R003	TS	CR	WB	012						28 7	96										LWG0108R003TSCRWB012	ok
10/11/2002	14 53	ORNZ83FT	7616424 2297	716441 4165	EB5A	SP026WB	IS	electrobackpack	LWG01	03R032	TS	SP	WB	026						5 6	83										LWG0103R032TSSPWB026	ok
10/11/2002	14 53	ORNZ83FT	7616424 2297	716441 4165	EB5A	SP027WB	IS	electrobackpack	LWG01	03R032	TS	SP	WB	027						13.2	100					11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB027	ok
10/11/2002	14 53	ORNZ83FT	7616424.2297	716441 4165	EB5A	SP028WB	IS	electrobackpack	LWG01	03R032	TS	SP	WB	028						7	83										LWG0103R032TSSPWB028	ok
10/11/2002	14 53	ORNZ83FT	7616424.2297	716441 4165	EB5A	SP029WB	IS	electrobackpack	LWG01	03R032	TS	SP	WB	029						4 1	80										LWG0103R032TSSPWB029	ok
10/11/2002	15 59	ORNZ83FT	7636498 6432	698627 8956	EB6A	SP037WB	IS	electrobackpack	LWG01	09R001	TS	SP	WB	037						11 4	108										LWG0109R001TSSPWB037	ok
10/13/2002	16.20	ORNZ83FT	7632596 018	700615 489	CT1	CR013WB	SN	Crayfish trap	LWG01	08R003	TS	CR	WB	013						29 9	100										LWG0108R003TSCRWB013	ok
10/13/2002	16 20	ORNZ83FT	7632596 018	700615 489	CT1	CR014WB	SN	Crayfish trap	LWG01	08R003	TS	CR	WB	014						40 6	109										LWG0108R003TSCRWB014	ok
10/13/2002	16 20	ORNZ83FT	7632596 018	700615 489	CT1	CR015WB	SN	Crayfish trap	LWG01	08R003	TS	CR	WB	015						20 1	95										LWG0108R003TSCRWB015	ok
10/13/2002	17 19	ORNZ83FT	7615740 183	718033 1391	CT2	CR020WB	SN	Crayfish trap	LWG01	03R009	TS	CR	WB	020						24 1	94										LWG0103R009TSCRWB020	ok
10/13/2002	17 19	ORNZ83FT	7615740 183	718033 1391	CT2	CR021WB	SN	Crayfish trap	LWG01	03R009	TS	CR	WB	021						24 3	97										LWG0103R009TSCRWB021	ok
10/13/2002	17 44	ORNZ83FT	7617272 576	723768 267	CT3	CR010WB	SN	Crayfish trap	LWG01	02R015	TS	CR	WB	010						84 4	122					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSCRWBC00	0	LWG0102R015TSCRWB010	ok
10/13/2002	17 44	ORNZ83FT	7617272 576	723768 267	CT3	CR011WB	SN	Crayfish trap	LWG01	02R015	TS	CR	WB	011						47 7	117					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSCRWBC00	0	LWG0102R015TSCRWB011	ok
10/13/2002	17 44	ORNZ83FT	7617272.576	723768 267	CT3	CR012WB	SN	Crayfish trap	LWG01	02R015	TS	CR	WB	012						53 9	118					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSCRWBC00	0	LWG0102R015TSCRWB012	ok
10/14/2002	9 49	ORNZ83FT	7636498 6432	698627 8956	EB1A	SP038WB	TS	electrobackpack	LWG01	09R001	TS	SP	WB	038						6 7	85										LWG0109R001TSSPWB038	ok
10/14/2002	9 49	ORNZ83FT	7636498 6432	698627 8956	EB1A	SP039WB	TS	electrobackpack	LWG01	09R001	TS	SP	WB	039						14 9	102										LWG0109R001TSSPWB039	ok
10/14/2002	11.58	ORNZ83FT	7615740 183	718033 1391	CT2	CR016WB	TS	Crayfish trap	LWG01	03R009	TS	CR	WB	016						30 9	98										LWG0103R009TSCRWB016	ok
10/14/2002	11 58	ORNZ83FT	7615740 183	718033 1391	CT2	CR017WB	TS	Crayfish trap	LWG01	03R009	TS	CR	WB	017						33 4	108					11/19_1	11/20	LF/JS/SN/JC	LWG0103R009TSCRWBC00	0	LWG0103R009TSCRWB017	ok
10/14/2002	11 58	ORNZ83FT	7615740 183	718033 1391	CT2	CR018WB	TS	Crayfish trap	LWG01	03R009	TS	CR	WB	018						88	127										LWG0103R009TSCRWB018	ok
10/14/2002	11 58	ORNZ83FT	7615740 183	718033 1391	CT2	CR019WB	TS	Crayfish trap	LWG01	03R009	TS	CR	WB	019						44 6	111					11/19_1	11/20	LF/JS/SN/JC	LWG0103R009TSCRWBC00	0	LWG0103R009TSCRWB019	ok
10/14/2002	12 46	ORNZ83FT	7621568 932	707688 5029	EB5A	SP051WB	TS	electrobackpack	LWG01	05R020	TS	SP	WB	051						7	87										LWG0105R020TSSPWB051	ok
10/14/2002	12 46	ORNZ83FT	7621568 932	707688.5029	EB5A	SP052WB	TS	electrobackpack	LWG01	05R020	TS	SP	WB	052						11 5	102										LWG0105R020TSSPWB052	ok
10/14/2002	12 46	ORNZ83FT	7621568 932	707688.5029	EB5A	SP053WB	TS	electrobackpack	LWG01	05R020	TS	SP	WB	053						15	111					11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB053	ok
10/14/2002	12 46	ORNZ83FT	7621568 932	707688 5029	EB5A	SP054WB	TS	electrobackpack	LWG01	05R020	TS	SP	WB	054						25.5	126					11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB054	ok
10/14/2002	14 10	ORNZ83FT	7620445 2891	714453 2947	EB7B	SP040WB	TS	electrobackpack	LWG01	04R003	TS	SP	WB	040						11.2	103					11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSSPWBC00	0	LWG0104R003TSSPWB040	ok
10/14/2002	15 31	ORNZ83FT	7615793 764	717936 7904	EB9A	SP075WB	TS	electrobackpack	LWG01	03R002	TS	SP	WB	075	Unusable					9 7	99										LWG0103R002TSSPWB075	ok
10/14/2002	15 40	ORNZ83FT	7632596.018	700615 489	CT3	CR016WB	TS	Crayfish trap	LWG01	08R003	TS	CR	WB	016						29	100										LWG0108R003TSCRWB016	ok
10/14/2002	16 09	ORNZ83FT	7635666.9191	699315 5575	TL5	PM001WB	TS	Trot Line	LWG01	08R010	TS	PM	WB	001						99 8	224	203									LWG0108R010TSPMWB001	ok
10/14/2002	20 05	ORNZ83FT	7618284 5669	716219 8138	EF8A	NP001WB	BS	electro	LWG01	04R023	TS	NP	WB	001						557.3	390	360									LWG0104R023TSNPWB001	ok
10/14/2002	22 48	ORNZ83FT	7633495 6032	701875 7691	EF16	SB014WB	TS	electro	LWG01	08R010	TS	SB	WB	014						183	245	230				11/15_1	11/27	EF/JS	LWG0108R010TSSBWBC10	1	LWG0108R010TSSBWB014	ok
10/15/2002	10 05	ORNZ83FT	7632596 018	700615 489	CT1	CR017WB	TS	Crayfish trap	LWG01	08R003	TS	CR	WB	017						23 4	90										LWG0108R003TSCRWB017	ok
10/15/2002	10 15	ORNZ83FT	7636361.274	698751 4734	TL2	SP043WB	TS	Trot Line	LWG01	09R001	TS	SP	WB	043	Unusable			Used for gut conte		13 7	109										LWG0109R001TSSPWB043	ok
10/15/2002	10 45	ORNZ83FT	7636498 6432	698627.8956	EB1A	SP041WB	TS	electrobackpack	LWG01	09R001	TS	SP	WB	041							87										LWG0109R001TSSPWB041	ok
10/15/2002	10 45	ORNZ83FT	7636498 6432	698627 8956	EB1A	SP042WB	TS	electrobackpack	LWG01	09R001	TS	SP	WB	042						22.1	122					11/19_1	11/20	LF/JS/SN/JC	LWG0109R001TSSPWBC00	0	LWG0109R001TSSPWB042	ok
10/15/2002	11 05	ORNZ83FT	7636361.274	698751 4734	TL2	SP040WB	TS	Trot Line	LWG01	09R001	TS	SP	WB	040	Unusable			Used for gut conte		62 4	166										LWG0109R001TSSPWB040	ok
10/15/2002	11 45	ORNZ83FT	7622682 901	706189 7099	EB3A	SP020WB	TS	electrobackpack	LWG01	06R001	TS	SP	WB	020						55 1	162					11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSSPWBC00	0	LWG0106R001TSSPWB020	ok
10/15/2002	12 05	ORNZ83FT	7626725 6430	703664.2757	TL3	NP006WB	TS	Trot Line	LWG01	07R009	TS	NP	WB	006						703	478	434									LWG0107R009TSNPWB006	ok
10/15/2002	12 15	ORNZ83FT	7621568 932	707688 5029	EB4A	SP055WB	TS	electrobackpack	LWG01	05R020	TS	SP	WB	055						35	149					11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB055	ok
10/15/2002	12 15	ORNZ83FT	7621568 932	707688.5029	EB4A	SP056WB	TS	electrobackpack	LWG01	05R020	TS	SP	WB	056						14 7	110					11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB056	ok
10/15/2002	12 15	ORNZ83FT	7621568 932	707688 5029	EB4A	SP057WB	TS	electrobackpack	LWG01	05R020	TS	SP	WB	057						19 2	121					11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB057	ok
10/15/2002	12 15	ORNZ83FT	7621568 932	707688 5029	EB4A	SP058WB	TS	electrobackpack	LWG01	05R020	TS	SP	WB	058						18 9	117					11/19_1	11/20	LF/JS/SN/JC	LWG0105R020TSSPWBC00	0	LWG0105R020TSSPWB058	ok
10/15/2002	13 15	ORNZ83FT	7618227 853	712179 9478	EB5A	SP018WB	TS	electrobackpack	LWG01	04R004	TS	SP	WB	018						13.5	109					11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSSPWBC00	0	LWG0104R004TSSPWB018	ok
10/15/2002	13 50	ORNZ83FT	7616424.2297	716441 4165	EB6A	SP030WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	030	Unusable			Caught at different location t		53 3	105										LWG0103R032TSSPWB030	ok
10/15/2002	13 50	ORNZ83FT	7616424 2297	716441 4165	EB6A	SP031WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	031	Unusable			Caught at different location t		14 8	111										LWG0103R032TSSPWB031	ok
10/15/2002	13 50	ORNZ83FT	7616424 2297	716441 4165	EB6A	SP032WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	032	Unusable			Caught at different location t		30 3	138										LWG0103R032TSSPWB032	ok
10/15/2002	13 50	ORNZ83FT	7616424.2297	716441 4165	EB6A	SP033WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	033	Unusable			Caught at different location t		16 8	105										LWG0103R032TSSPWB033	ok
10/15/2002	13 50	ORNZ83FT	7616424.2297	716441 4165	EB6A	SP034WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	034	Unusable			Caught at different location t		17 2	118										LWG0103R032TSSPWB034	ok
10/15/2002	13 50	ORNZ83FT	7616424.2297	716441 4165	EB6A	SP035WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	035	Unusable			Caught at different location t		26 7	135										LWG0103R032TSSPWB035	ok
10/15/2002	14 55	ORNZ83FT	7615793 764	717936 7904	EB8A	SP076WB	TS	electrobackpack	LWG01	03R002	TS	SP	WB	076						11 6	100										LWG0103R002TSSPWB076	ok
10/15/2002	14.55	ORNZ83FT	7615793 764	717936 7904	EB8A	SP077WB	TS	electrobackpack	LWG01	03R002	TS	SP	WB	077						17 8	111					11/19_1	11/20	LF/JS/SN/JC	LWG0103R002TSSPWBC20	2	LWG0103R002TSSPWB077	ok
10/15/2002	21 07	ORNZ83FT	7636646 8784	699250 9694	EF9	PM003WB	TS	electro	LWG01	08R010	TS	PM	WB	003						71	202										LWG0108R010TSPMWB003	ok
10/15/2002	21.32	ORNZ83FT	7636932 0208	698766.3513	EF10	NP003WB	TS	electro	LWG01	08R010	TS	NP	WB	003						579 1	411										LWG0108R010TSNPWB003	ok
10/15/2002	21 32	ORNZ83FT	7636932 0208	698766 3513	EF10	PM002WB	TS	electro	LWG01	08R010	TS	PM	WB	002						64 7	196										LWG0108R010TSPMWB002	ok
10/15/2002	21 52	ORNZ83FT	7634352 1928	701155 7881	EF12	BC006F	TS	electro	LWG01	FZ0609	TS	BC	F	006						224 8	249	231	37 2	50 2		12/03_2	12/11	LF/JS/JC	LWG01FZ0609TSBCFLC20 and LWG01FZ0609TSBCFSC20	2	LWG01FZ0609TSBCF006	ok
10/15/2002	22.38	ORNZ83FT	7631846 6169	697465 3363	EF12	PM007WB	TS	electro	LWG01	09R006	TS	PM	WB	007						171	273										LWG0109R006TSPMWB007	ok
10/15/2002	22 59	ORNZ83FT	7635589 7967	697317 1453	EF15	PM002WB	TS	electro	LWG01	09R006	TS	PM	WB	002						156 6	272										LWG0109R006TSPMWB002	ok
10/15/2002	23 04	ORNZ83FT	7633356.5620	697683.3983	EF13	PM001WB	TS	electro	LWG01	09R006	TS	PM	WB	001						140 1	268										LWG0109R006TSPMWB001	ok
10/15/2002	23 20	ORNZ83FT	7632533 8456	697176.2663	EF14	PM003WB	TS	electro	LWG01	09R006	TS	PM	WB	003						147.3	260										LWG0109R006TSPMWB003	ok
10/15/2002	23 20	ORNZ83FT	7632533 8456	697176.2663	EF14	PM004WB	TS	electro	LWG01	09R006	TS	PM	WB	004						181 6	273										LWG0109R006TSPMWB004	ok
10/15/2002	23.20	ORNZ83FT	7632533 8456	697176.2663	EF14	PM005WB	TS	electro	LWG01	09R006	TS	PM	WB	005						60 5	200										LWG0109R006TSPMWB005	ok
10/15/2002	23 20	ORNZ83FT	7632533.8456	697176 2663	EF14	PM006WB	TS	electro	LWG01	09R006	TS	PM	WB	006						217.2	292										LWG0109R006TSPMWB006	ok
10/16/2002	10 50	ORNZ83FT	7632596 018	700615 489	EB1A	SP027WB	TS	electrobackpack	LWG01	08R003	TS	SP	WB	027						14 2	111					11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSSPWBC00	0	LWG0108R003TSSPWB027	ok
10/16/2002	10 50	ORNZ83FT	7632596 018	700615 489	EB1A	SP028WB	TS	electrobackpack	LWG01	08R003	TS	SP	WB	028						17 8	115					11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSSPWBC00	0	LWG0108R003TSSPWB028	ok
10/16/2002	10 56	ORNZ83FT	7632596 018	700615 489	CT1	CR018WB	TS	Crayfish trap	LWG01	08R003	TS	CR	WB	018		37 5				36	110										LWG0108R003TSCRWB018	ok
10/16/2002	11 35	ORNZ83FT	7622682 901	706189 7099	EB3A	SP021WB	TS	electrobackpack	LWG01	06R001	TS	SP	WB	021						17 1	118					11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSSPWBC00	0	LWG0106R001TSSPWB021	ok

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Table C-1 Fish Tissue Data Master Table

Date	Time	Coord type	X Easting	Y Northing	Key Day	Map Key	Sampler	Method	Site Round	Station	Matrix	Species	Tissue	Sample	Excluded Sample	FieldWt g	FieldTLgth mm	FieldFLgth mm	FieldCmnts	LabWt g	LabTLgth mm	LabFLgth mm	LabFSWt g	LabFLWt g	LabCmnts	Comp	SentToLab	Packer	Comp sample code	rep code	sample code	dup check
10/16/2002	11.35	ORNZ83FT	7622682.901	706189.7099	EB3A	SP022WB	TS	electrobackpack	LWG01	06R001	TS	SP	WB	022						17.1	119					11/19_1	11/20	LF/JS/SN/JC	LWG0106R001TSSPWBC00	0	LWG0106R001TSSPWB022	ok
10/16/2002	14:00	ORNZ83FT	7618593.4209	715458.7650	EB6A	SP027WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	027						15.2	113					11/19_2	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC20	2	LWG0103R004TSSPWB027	ok
10/16/2002	14:00	ORNZ83FT	7618593.4209	715458.7650	EB6A	SP028WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	028						22	121					11/19_2	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC20	2	LWG0103R004TSSPWB028	ok
10/16/2002	14:00	ORNZ83FT	7618593.4209	715458.7650	EB6A	SP029WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	029						15.9	118					11/19_2	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC20	2	LWG0103R004TSSPWB029	ok
10/16/2002	14:00	ORNZ83FT	7618593.4209	715458.7650	EB6A	SP030WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	030						26.3	131					11/19_2	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC20	2	LWG0103R004TSSPWB030	ok
10/16/2002	14:00	ORNZ83FT	7618593.4209	715458.7650	EB6A	SP031WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	031						14.2	111					11/19_2	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC20	2	LWG0103R004TSSPWB031	ok
10/16/2002	14:00	ORNZ83FT	7618593.4209	715458.7650	EB6A	SP032WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	032						8.5	96										LWG0103R004TSSPWB032	ok
10/16/2002	14:00	ORNZ83FT	7618593.4209	715458.7650	EB6A	SP033WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	033						15	113					11/19_2	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC20	2	LWG0103R004TSSPWB033	ok
10/16/2002	14:00	ORNZ83FT	7618593.4209	715458.7650	EB6A	SP034WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	034						19.9	120					11/19_2	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC20	2	LWG0103R004TSSPWB034	ok
10/16/2002	14:00	ORNZ83FT	7618593.4209	715458.7650	EB6A	SP035WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	035						23.6	122					11/19_2	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC20	2	LWG0103R004TSSPWB035	ok
10/16/2002	14:00	ORNZ83FT	7618593.4209	715458.7650	EB6A	SP036WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	036						7.6	92										LWG0103R004TSSPWB036	ok
10/16/2002	14:00	ORNZ83FT	7618593.4209	715458.7650	EB6A	SP037WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	037						12.3	106					11/19_2	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC20	2	LWG0103R004TSSPWB037	ok
10/16/2002	14:00	ORNZ83FT	7618593.4209	715458.7650	EB6A	SP038WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	038						17.9	114					11/19_2	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC20	2	LWG0103R004TSSPWB038	ok
10/16/2002	14:00	ORNZ83FT	7618593.4209	715458.7650	EB6A	SP039WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	039						7.3	89										LWG0103R004TSSPWB039	ok
10/16/2002	14:00	ORNZ83FT	7618593.4209	715458.7650	EB6A	SP040WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	040						10.4	94					11/19_2	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC20	2	LWG0103R004TSSPWB040	ok
10/16/2002	15:50	ORNZ83FT	7616424.2297	716441.4165	EB7A	SP036WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	036						13.8	110					11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB036	ok
10/16/2002	15:50	ORNZ83FT	7616424.2297	716441.4165	EB7A	SP037WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	037						8.4	90										LWG0103R032TSSPWB037	ok
10/16/2002	16:33	ORNZ83FT	7615793.764	717936.7904	EB8A	SP078WB	TS	electrobackpack	LWG01	03R002	TS	SP	WB	078						27.8	135					11/19_1	11/20	LF/JS/SN/JC	LWG0103R002TSSPWBC20	2	LWG0103R002TSSPWB078	ok
10/16/2002	16:33	ORNZ83FT	7615793.764	717936.7904	EB8A	SP079WB	TS	electrobackpack	LWG01	03R002	TS	SP	WB	079						12.5	102					11/19_1	11/20	LF/JS/SN/JC	LWG0103R002TSSPWBC20	2	LWG0103R002TSSPWB079	ok
10/16/2002	16:33	ORNZ83FT	7615793.764	717936.7904	EB8A	SP080WB	TS	electrobackpack	LWG01	03R002	TS	SP	WB	080						14.2	105					11/19_1	11/20	LF/JS/SN/JC	LWG0103R002TSSPWBC20	2	LWG0103R002TSSPWB080	ok
10/16/2002	22:40	ORNZ83FT	7635768.5191	699960.3381	EF17	PM004WB	TS	electro	LWG01	08R010	TS	PM	WB	004						88.1	217	197									LWG0108R010TSPMWB004	ok
10/17/2002	11:23	ORNZ83FT	7632596.018	700615.489	CT1	CR020WB	TS	Crayfish trap	LWG01	08R003	TS	CR	WB	020						42.8	117					11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSCRWBC00	0	LWG0108R003TSCRWB020	ok
10/17/2002	11:23	ORNZ83FT	7632596.018	700615.489	CT1	CR021WB	TS	Crayfish trap	LWG01	08R003	TS	CR	WB	021						56.8	115					11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSCRWBC00	0	LWG0108R003TSCRWB021	ok
10/17/2002	11:55	ORNZ83FT	7617272.576	723768.267	EB1A	SP017WB	TS	electrobackpack	LWG01	02R015	TS	SP	WB	017						14	104					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSSPWBC00	0	LWG0102R015TSSPWB017	ok
10/17/2002	12:07	ORNZ83FT	7632596.018	700615.489	CT2	CR022WB	TS	Crayfish trap	LWG01	08R003	TS	CR	WB	022					gravid female	44.2	106										LWG0108R003TSCRWB022	ok
10/17/2002	13:03	ORNZ83FT	7619942.5100	717051.5326	TL5	SP007WB	TS	Trot Line	LWG01	03R005	TS	SP	WB	007		48.1				46.7	148				HOOK REMOV	11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSSPWBC00	0	LWG0103R005TSSPWB007	ok
10/17/2002	14:00	ORNZ83FT	7616424.2297	716441.4165	EB3A	SP038WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	038						13	104					11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB038	ok
10/17/2002	14:50	ORNZ83FT	7618593.4209	715458.7650	EB4A	SP041WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	041						23.3	144					11/19_2	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC20	2	LWG0103R004TSSPWB041	ok
10/17/2002	14:50	ORNZ83FT	7618593.4209	715458.7650	EB4A	SP042WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	042						19.7	117					11/19_2	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC20	2	LWG0103R004TSSPWB042	ok
10/17/2002	14:50	ORNZ83FT	7618593.4209	715458.7650	EB4A	SP043WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	043						16.7	100					11/19_2	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC20	2	LWG0103R004TSSPWB043	ok
10/17/2002	14:50	ORNZ83FT	7618593.4209	715458.7650	EB4A	SP044WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	044						10.3	96					11/19_2	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC20	2	LWG0103R004TSSPWB044	ok
10/17/2002	14:50	ORNZ83FT	7618593.4209	715458.7650	EB4A	SP045WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	045						14.6	115					11/19_2	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC20	2	LWG0103R004TSSPWB045	ok
10/17/2002	18:29	ORNZ83FT	7618663.8997	715218.1378	EF6	SB016WB	TS	electro	LWG01	04R023	TS	SB	WB	016						320	274	260				11/15_1	11/27	EF/JS	LWG0104R023TSSBWBC10	1	LWG0104R023TSSBWB016	ok
10/17/2002	22:28	ORNZ83FT	7631896.3581	697515.4397	EF18	BC007F	TS	electro	LWG01	FZ0609	TS	BC	F	007						169.5	229	220	28.1	38.9		12/03_1	12/11	LF/JS/JC	LWG01FZ0609TSBCFLC10 and LWG01FZ0609TSBCFSC10	1	LWG01FZ0609TSBCF007	ok
10/18/2002	11:20	ORNZ83FT	7615793.764	717936.7904	EB2A	SP081WB	TS	electrobackpack	LWG01	03R002	TS	SP	WB	081						6.8	80										LWG0103R002TSSPWB081	ok
10/18/2002	12:00	ORNZ83FT	7616424.2297	716441.4165	EB3A	SP039WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	039						13.5	111					11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB039	ok
10/18/2002	12:00	ORNZ83FT	7616424.2297	716441.4165	EB3A	SP040WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	040						28	134					11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB040	ok
10/18/2002	12:00	ORNZ83FT	7616424.2297	716441.4165	EB3A	SP041WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	041						19.5	119					11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB041	ok
10/18/2002	12:00	ORNZ83FT	7616424.2297	716441.4165	EB3A	SP042WB	TS	electrobackpack	LWG01	03R032	TS	SP	WB	042						7	88										LWG0103R032TSSPWB042	ok
10/18/2002	12:35	ORNZ83FT	7618593.4209	715458.7650	EB4A	SP046WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	046						22	125					11/19_2	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC20	2	LWG0103R004TSSPWB046	ok
10/18/2002	12:35	ORNZ83FT	7618593.4209	715458.7650	EB4A	SP047WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	047						21.5	122					11/19_2	11/20	LF/JS/SN/JC	LWG0103R004TSSPWBC20	2	LWG0103R004TSSPWB047	ok
10/18/2002	12:35	ORNZ83FT	7618593.4209	715458.7650	EB4A	SP048WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	048						46.5	156										LWG0103R004TSSPWB048	ok
10/18/2002	12:35	ORNZ83FT	7618593.4209	715458.7650	EB4A	SP049WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	049						15	110										LWG0103R004TSSPWB049	ok
10/18/2002	12:35	ORNZ83FT	7618593.4209	715458.7650	EB4A	SP050WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	050						22	120										LWG0103R004TSSPWB050	ok
10/18/2002	12:35	ORNZ83FT	7618593.4209	715458.7650	EB4A	SP051WB	TS	electrobackpack	LWG01	03R004	TS	SP	WB	051						11.5	97										LWG0103R004TSSPWB051	ok
10/18/2002	13:35	ORNZ83FT	7620445.2891	714453.2947	EB5A	SP041WB	TS	electrobackpack	LWG01	04R003	TS	SP	WB	041						12.5	95					11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSSPWBC00	0	LWG0104R003TSSPWB041	ok
10/18/2002	13:50	ORNZ83FT	7632588.7748	697167.1309	EF10	NP002WB	TS	electro	LWG01	09R006	TS	NP	WB	002						1383.5	528	486									LWG0109R006TSNPWB002	#REF!
10/21/2002	10:50	ORNZ83FT	7632596.018	700615.489	CT1	SP029WB	IS	Crayfish trap	LWG01	08R003	TS	SP	WB	029						28.9	139					11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSSPWBC00	0	LWG0108R003TSSPWB029	#REF!
10/21/2002	12:30	ORNZ83FT	7623647.1666	707164.5056	TL3	NP002WB	BC	Trot Line	LWG01	06R024	TS	NP	WB	002						752.8	441	418									LWG0106R024TSNPWB002	#REF!
10/21/2002	13:00	ORNZ83FT	7616404.4169	716692.6426	TL4	PM001WB	BC	Trot Line	LWG01	04R023	TS	PM	WB	001						108.8	275	251									LWG0104R023TSPMWB001	#REF!
10/21/2002	13:20	ORNZ83FT	7619942.5100	717051.5326	TL5	SP008WB	IS	Trot Line	LWG01	03R005	TS	SP	WB	008						34	135					11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSSPWBC00	0	LWG0103R005TSSPWB008	#REF!
10/22/2002	11:10	ORNZ83FT	7636500.178	699344.711	TL1	BB034F	IS	Trot Line	LWG01	FZ0609	TS	BB	F	034						364.4	306		59.8	68.1		11/22_2	11/27/2002	EF/JS	LWG01FZ0609TSBBFLC20 and LWG01FZ0609TSBBFSC20	2	LWG01FZ0609TSBBF034	#REF!
10/22/2002	11:10	ORNZ83FT	7636500.178	699344.711	TL1	BB035F	IS	Trot Line	LWG01	FZ0609	TS	BB	F	035						330.1	310		44.7	68.3		11/22_3	11/27/2002	EF/JS	LWG01FZ0609TSBBFLC30 and LWG01FZ0609TSBBFSC30	3	LWG01FZ0609TSBBF035	ok
10/22/2002	11:10	ORNZ83FT	7636500.178	699344.711	TL1	BC008F	IS	Trot Line	LWG01	FZ0609	TS	BC	F	008						261.8	249	237	44.7	61		12/03_2	12/11	LF/JS/JC	LWG01FZ0609TSBCFLC20 and LWG01FZ0609TSBCFSC20	2	LWG01FZ0609TSBCF008	ok
10/22/2002	11:10	ORNZ83FT	7636500.178	699344.711	TL1	BC009F	IS	Trot Line	LWG01	FZ0609	TS	BC	F	009						191.8	228	214	32.4	43.9		12/03_1	12/11	LF/JS/JC	LWG01FZ0609TSBCFLC10 and LWG01FZ0609TSBCFSC10	1	LWG01FZ0609TSBCF009	ok
10/22/2002	11:10	ORNZ83FT	7636500.178	699344.711	TL1	BC010F	IS	Trot Line	LWG01	FZ0609	TS	BC	F	010						195.8	230		35.5	49.4	Tail too chop	12/03_2	12/11	LF/JS/JC	LWG01FZ0609TSBCFLC20 and LWG01FZ0609TSBCFSC20	2	LWG01FZ0609TSBCF010	ok
10/22/2002	11:17	ORNZ83FT	7617272.576	723768.267	EB1A	SP018WB	IS	electrobackpack	LWG01	02R015	TS	SP	WB	018						13	97					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSSPWBC00	0	LWG0102R015TSSPWB018	ok
10/22/2002	11:25	ORNZ83FT	7636732.804	699132.503	TL2	BB036F	IS	Trot Line	LWG01	FZ0609	TS	BB	F	036						284.6	295		37.5	55.4		11/22_1	11/27/2002	EF/JS	LWG01FZ0609TSBBFLC10 and LWG01FZ0609TSBBFSC10	1	LWG01FZ0609TSBBF036	ok
10/22/2002	11:25	ORNZ83FT	7636732.804	699132.503	TL2	BB037F	IS	Trot Line	LWG01	FZ0609	TS	BB	F	037						170.5	246		27.5	30.6		ARCHIVE					LWG01FZ0609TSBBF037	ok
########	11:25	ORNZ83FT	7636732.804	699132.503	TL2	BB038WB	IS	Trot Line	LWG01	FZ0609	TS	BB	WB	038		229.6				227.1	256				hook remove	11/22_2	11/27/2002	EF/JS	LWG01FZ0609TSBBWBC20	2	LWG01FZ0609TSBBWB038	ok
########	11:25	ORNZ83FT	7636732.804	699132.503	TL2	BB039WB	IS	Trot Line	LWG01	FZ0609	TS	BB	WB	039		240.8				238.8	268				hook remove	11/22_2	11/27/2002	EF/JS	LWG01FZ0609TSBBWBC20	2	LWG01FZ0609TSBBWB039	ok
10/22/2002	11:50	ORNZ83FT	7632596.018	700615.489	CT1	CR023WB	IS	Crayfish trap	LWG01	08R003	TS	CR	WB	023						21.8	89										LWG0108R003TSCRWB023	ok
10/22/2002	11:50	ORNZ83FT	7632596.018	700615.489	CT1	CR024WB	IS	Crayfish trap	LWG01	08R003	TS	CR	WB	024						28	94										LWG0108R003TSCRWB024	ok
10/22/2002	11:50	ORNZ83FT	7632596.018	700615.489	CT1	CR025WB	IS	Crayfish trap	LWG01	08R003	TS	CR	WB	025						19.2	76										LWG0108R003TSCRWB025	ok
10/22/2002	12:00	ORNZ83FT	7616424.2297	716441.4165	EB2A	SP043WB	IS	electrobackpack	LWG01	03R032	TS	SP	WB	043						11.9	95					11/19_1	11/20	LF/JS/SN/JC	LWG0103R032TSSPWBC00	0	LWG0103R032TSSPWB043	ok
10/22/2002	14:30	ORNZ83FT	7619942.5100	717051.5326	TL3	SP009WB	IS	Trot Line	LWG01	03R005	TS	SP	WB	009						14	96					11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSSPWBC00	0	LWG0103R005TSSPWB009	ok
10/22/2002	14:30	ORNZ83FT	7619942.5100	717051.5326	TL3	SP010WB	IS	Trot Line	LWG01	03R005	TS	SP	WB	010						15.5	102					11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSSPWBC00	0	LWG0103R005TSSPWB010	ok
10/22/2002	14:30	ORNZ83FT	7619942.5100	717051.5326	TL3	SP011WB	IS	Trot Line	LWG01	03R005	TS	SP	WB	011						19.9	120					11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSSPWBC00	0	LWG0103R005TSSPWB011	ok
10/22/2002	14:40	ORNZ83FT	7619942.5100	717051.5326	TL4	SP012WB	IS	Trot Line	LWG01	03R005	TS	SP	WB	012						57	157										LWG0103R005TSSPWB012	ok
10/22/2002	14:40	ORNZ83FT	7619942.5100	717051.5326	TL4	SP013WB	IS	Trot Line	LWG01	03R005	TS	SP	WB	013						35.2	139					11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSSPWBC00	0	LWG0103R005TSSPWB013	ok
10/22/2002	14:40	ORNZ83FT	7619942.5100	717051.5326	TL4	SP014WB	IS	Trot Line	LWG01	03R005	TS	SP	WB	014						19.6	115					11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSSPWBC00	0	LWG0103R005TSSPWB014	ok
10/22/2002	14:40	ORNZ83FT	7619942.5100	717051.5326	TL4	SP015WB	IS	Trot Line	LWG01	03R005	TS	SP	WB	015						16.9	107					11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSSPWBC00	0	LWG0103R005TSSPWB015	ok
10/22/2002	14:40	ORNZ83FT	7619942.5100	717051.5326	TL4	SP016WB	IS	Trot Line	LWG01	03R005	TS	SP	WB	016						15.5	109					11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSSPWBC00	0	LWG0103R005TSSPWB016	ok
10/22/2002	14:40	ORNZ83FT	7619942.5100	717051.5326	TL4	SP017WB	IS	Trot Line	LWG01	03R005	TS	SP	WB	017						22.4	119					11/19_1	11/20	LF/JS/SN/JC	LWG0103R005TSSPWBC00	0	LWG0103R005TSSPWB017	ok
10/22/2002	15:07	ORNZ83FT	7631883.3901	697562.0073	EB5A	SP042WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	042						17.9	117					11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSSPWBC00	0	LWG0108R001TSSPWB042	ok
10/22/2002	15:07	ORNZ83FT	7631883.3901	697562.0073	EB5A	SP043WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	043						12.4	101					11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSSPWBC00	0	LWG0108R001TSSPWB043	ok
10/22/2002	16:15	ORNZ83FT	7615793.764	717936.7904	TL5	SP082WB	IS	Trot Line	LWG01	03R002	TS	SP	WB	082						58.6	157					11/19_1	11/20	LF/JS/SN/JC	LWG0103R002TSSPWBC20	2	LWG0103R002TSSPWB082	ok
10/22/2002	16:15	ORNZ83FT	7615793.764	717936.7904	TL5	SP083WB	IS	Trot Line	LWG01	03R002	TS	SP	WB	083						28.7	137					11/19_1	11/20	LF/JS/SN/JC	LWG0103R002TSSPWBC20	2	LWG0103R002TSSPWB083	ok
10/22/2002	17:18	ORNZ83FT	7617272.576	723768.267	CT2	CR013WB	IS	Crayfish trap	LWG01	02R015	TS	CR	WB	013						49.6	119					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSCRWBC00	0	LWG0102R015TSCRWB013	#REF!
10/23/2002	11:35	ORNZ83FT	7618593.4209	715458.7650	EB1A	CR016WB	IS	electrobackpack	LWG01	03R004	TS	CR	WB	016						42.5	113										LWG0103R004TSCRWB016	#REF!
10/23/2002	11:35	ORNZ83FT	7618593.4209	715458.7650	EB1A	SP052WB	IS	electrobackpack	LWG01	03R004	TS	SP	WB	052						21.5	119										LWG0103R004TSSPWB052	ok
10/23/2002	11:35	ORNZ83FT	7618593.4209	715458.7650	EB1A	SP053WB	IS	electrobackpack	LWG01	03R004	TS	SP	WB	053						7.2	82										LWG0103R004TSSPWB053	ok
10/23/2002	11:35	ORNZ83FT	7618593.4209	715458.7650	EB1A	SP054WB	IS	electrobackpack	LWG01	03R004	TS	SP	WB	054						23	110										LWG0103R004TSSPWB054	ok
10/23/2002	12:00	ORNZ83FT	7626905.198	705809.3512	EB1B	SP047WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	047						14.8	112										LWG0106R002TSSPWB047	#REF!
10/23/2002	12:50	ORNZ83FT	7630058.6538	699843.3593	EB2B	SP025WB	IS	electrobackpack	LWG01	08R002	TS	SP	WB	025						21	124					11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB025	#REF!
10/23/2002	12:50	ORNZ83FT	7630058.6538	699843.3593	EB2B	SP026WB	IS	electrobackpack	LWG01	08R002	TS	SP	WB	026						8.6	88										LWG0108R002TSSPWB026	ok
10/23/2002	12:50	ORNZ83FT	7630058.6538	699843.3593	EB2B	SP027WB	IS	electrobackpack	LWG01	08R002	TS	SP	WB	027						9.9	105										LWG0108R002TSSPWB027	ok
10/23/2002	12:50	ORNZ83FT	7630058.6538	699843.3593	EB2B	SP028WB	IS	electrobackpack	LWG01	08R002	TS	SP	WB	028						10.4	105										LWG0108R002TSSPWB028	ok
10/23/2002	12:50	ORNZ83FT	7630058.6538	699843.3593	EB2B	SP029WB	IS	electrobackpack	LWG01	08R002	TS	SP	WB	029						17	113					11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB029	ok
10/23/2002	12:50	ORNZ83FT	7630058.6538	699843.3593	EB2B	SP030WB	IS	electrobackpack	LWG01	08R002	TS	SP	WB	030						12.2	101					11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB030	ok
10/23/2002	12:50	ORNZ83FT	7630058.6538	699843.3593	EB2B	SP031WB	IS	electrobackpack	LWG01	08R002	TS	SP	WB	031						14.6	109					11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB031	ok
10/23/2002	12:50	ORNZ83FT	7630058.6538	699843.3593	EB2B	SP032WB	IS	electrobackpack	LWG01	08R002	TS	SP	WB	032						24.9	127					11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB032	ok
10/23/2002	12:50	ORNZ83FT	7630058.6538	699843.3593	EB2B	SP033WB	IS	electrobackpack	LWG01	08R002	TS	SP	WB	033						36.7	140					11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB033	#REF!
10/23/2002	13:21	ORNZ83FT	7617272.576	723768.267	TL5	SP022WB	IS	Trot Line	LWG01	02R015	TS	SP	WB	022						33.2	136					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSSPWBC00	0	LWG0102R015TSSPWB022	#REF!
10/23/2002	13:21	ORNZ83FT	7617272.576	723768.267	TL5	SP023WB	IS	Trot Line	LWG01	02R015	TS	SP	WB	023		40.4				39	149				hook removed in	11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSSPWBC00	0	LWG0102R015TSSPWB023	ok
10/23/2002	13:21	ORNZ83FT	7617272.576	723768.267	TL5	SP024WB	IS	Trot Line	LWG01	02R015	TS	SP	WB	024						24.7	128					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSSPWBC00	0	LWG0102R015TSSPWB024	ok
10/23/2002	13:21	ORNZ83FT	7617272.576	723768.267	TL5	SP025WB	IS	Trot Line	LWG01	02R015	TS	SP	WB	025						40.2	143										LWG0102R015TSSPWB025	ok
10/23/2002	13:42	ORNZ83FT	7617272.576	723768.267	EB2A	SP019WB	IS	electrobackpack	LWG01	02R015	TS	SP	WB	019						17.3	114					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSSPWBC00	0	LWG0102R015TSSPWB019	ok
10/23/2002	13:42	ORNZ83FT	7617272.576	723768.267	EB2A	SP020WB	IS	electrobackpack	LWG01	02R015	TS	SP	WB	020						14	105					11/19_1	11/20	LF/JS/SN/JC	LWG0102R015TSSPWBC00	0	LWG0102R015TSSPWB020	ok
10/23/2002	13:42	ORNZ83FT	7617272.576	723768.267	EB2A	SP021WB	IS	electrobackpack	LWG01	02R015	TS	SP	WB	021						7.9	88										LWG0102R015TSSPWB021	ok
10/23/2002	13:43	ORNZ83FT	7617129.658	723415.2723	CT1	CR008WB	IS	Crayfish trap	LWG01	02R001	TS	CR	WB	008						49.6	118					11/19_1	11/20	LF/JS/SN/JC	LWG0102R001TSCRWBC00	0	LWG0102R001TSCRWB008	ok
10/23/2002	13:50	ORNZ83FT	7631883.3901	697562.0073	EB3B	CR015WB	IS	electrobackpack	LWG01	08R001	TS	CR	WB	015						26	91										LWG0108R001TSCRWB015	ok
10/23/2002	13:50	ORNZ83FT	7631883.3901	697562.0073	EB3B	SP044WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	044						9.5	92										LWG0108R001TSSPWB044	ok
10/23/2002	13:50	ORNZ83FT	7631883.3901	697562.0073	EB3B	SP045WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	045						26.1	133					11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSSPWBC00	0	LWG0108R001TSSPWB045	ok

Table C-1 Fish Tissue Data Master Table

Date	Time	Coord type	X Easting	Y Northing	Key Day	Map Key	Sampler	Method	Site Round	Station	Matrix	Species	Tissue	Sample	Excluded Sample	FieldWt g	FieldTLgth mm	FieldFLgth mm	FieldCmnts	LabWt g	LabTLgth mm	LabFLgth mm	LabFSWt g	LabFLWt g	LabCmnts	Comp	SentToLab	Packer	Comp sample code	rep code	sample code	dup check
10/23/2002	13 50	ORNZ83FT	7631883.3901	697562 0073	EB3B	SP046WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	046						6 6	92										LWG0108R001TSSPWB046	ok
10/23/2002	13 50	ORNZ83FT	7631883.3901	697562 0073	EB3B	SP047WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	047						26 7	131					11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSSPWBC00	0	LWG0108R001TSSPWB047	ok
10/23/2002	13 50	ORNZ83FT	7631883.3901	697562 0073	EB3B	SP048WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	048						11.2	92					11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSSPWBC00	0	LWG0108R001TSSPWB048	ok
10/23/2002	13 50	ORNZ83FT	7631883.3901	697562 0073	EB3B	SP049WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	049						11 6	107										LWG0108R001TSSPWB049	ok
########	13 50	ORNZ83FT	7631883 3901	697562 0073	EB3B	SP050WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	050						16	113										LWG0108R001TSSPWB050	ok
########	13 50	ORNZ83FT	7631883 3901	697562 0073	EB3B	SP051WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	051						24 8	130										LWG0108R001TSSPWB051	ok
10/23/2002	14 40	ORNZ83FT	7626905 198	705809.3512	EB4B	SP048WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	048						17 1	123										LWG0106R002TSSPWB048	ok
10/23/2002	14 40	ORNZ83FT	7626905 198	705809.3512	EB4B	SP049WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	049						24.2	125										LWG0106R002TSSPWB049	ok
10/23/2002	14 40	ORNZ83FT	7626905 198	705809.3512	EB4B	SP050WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	050						20 9	128										LWG0106R002TSSPWB050	ok
10/23/2002	14 40	ORNZ83FT	7626905 198	705809.3512	EB4B	SP051WB	IS	electrobackpack	LWG01	06R002	TS	SP	WB	051						15 7	113										LWG0106R002TSSPWB051	ok
10/23/2002	14 42	ORNZ83FT	7616424.2297	716441 4165	EB3A	SP044WB	IS	electrobackpack	LWG01	03R032	TS	SP	WB	044						11 6	103										LWG0103R032TSSPWB044	ok
10/23/2002	15.30	ORNZ83FT	7632596 018	700615 489	EB5B	CR026WB	IS	electrobackpack	LWG01	08R003	TS	CR	WB	026						25 2	94										LWG0108R003TSCRWB026	ok
10/23/2002	15.30	ORNZ83FT	7632596 018	700615 489	EB5B	SP030WB	IS	electrobackpack	LWG01	08R003	TS	SP	WB	030						9 6	98										LWG0108R003TSSPWB030	ok
10/23/2002	15 30	ORNZ83FT	7632596 018	700615 489	EB5B	SP031WB	IS	electrobackpack	LWG01	08R003	TS	SP	WB	031						11 6	105					11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSSPWBC00	0	LWG0108R003TSSPWB031	ok
10/23/2002	15.35	ORNZ83FT	7620498 4850	713333.5569	CT2	CR017WB	IS	Crayfish trap	LWG01	04R002	TS	CR	WB	017						25 9	105					11/19_1	11/20	LF/JS/SN/JC	LWG0104R002TSCRWBC00	0	LWG0104R002TSCRWB017	ok
10/23/2002	15 50	ORNZ83FT	7632596 018	700615 489	CT3	CR027WB	IS	Crayfish trap	LWG01	08R003	TS	CR	WB	027						26 3	100										LWG0108R003TSCRWB027	ok
10/23/2002	15 50	ORNZ83FT	7632596 018	700615 489	CT3	CR028WB	IS	Crayfish trap	LWG01	08R003	TS	CR	WB	028						37.5	104										LWG0108R003TSCRWB028	ok
10/23/2002	16·00	ORNZ83FT	7618227.853	712179 9478	EB4A	CR017WB	IS	electrobackpack	LWG01	04R004	TS	CR	WB	017						25 2	90										LWG0104R004TSCRWB017	ok
10/24/2002	9·24	ORNZ83FT	7626338 8732	705900 4095	EF10	PM002WB	SN	electro	LWG01	07R009	TS	PM	WB	002						132	252	225									LWG0107R009TSPMWB002	ok
10/24/2002	10·30	ORNZ83FT	7632596.018	700615 489	TL1	SP032WB	IS	Trot Line	LWG01	08R003	TS	SP	WB	032						16 9	119					11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSSPWBC00	0	LWG0108R003TSSPWB032	#REF!
10/24/2002	10 50	ORNZ83FT	7632596 018	700615 489	CT1	CR029WB	IS	Crayfish trap	LWG01	08R003	TS	CR	WB	029						28 5	100										LWG0108R003TSCRWB029	#REF!
10/24/2002	10·50	ORNZ83FT	7632596 018	700615 489	CT1	CR030WB	IS	Crayfish trap	LWG01	08R003	TS	CR	WB	030						23 7	95										LWG0108R003TSCRWB030	ok
10/24/2002	11·00	ORNZ83FT	7616424.2297	716441 4165	EB1B	SP045WB	IS	electrobackpack	LWG01	03R032	TS	SP	WB	045						8 6	95										LWG0103R032TSSPWB045	ok
10/24/2002	11·00	ORNZ83FT	7616424.2297	716441 4165	EB1B	SP046WB	IS	electrobackpack	LWG01	03R032	TS	SP	WB	046						15 5	114										LWG0103R032TSSPWB046	ok
10/24/2002	11 15	ORNZ83FT	7618593 4209	715458 7650	EB2B	SP055WB	IS	electrobackpack	LWG01	03R004	TS	SP	WB	055						30 7	135										LWG0103R004TSSPWB055	ok
10/24/2002	11 15	ORNZ83FT	7618593 4209	715458 7650	EB2B	SP056WB	IS	electrobackpack	LWG01	03R004	TS	SP	WB	056						14 4	107										LWG0103R004TSSPWB056	ok
10/24/2002	11 15	ORNZ83FT	7618593 4209	715458 7650	EB2B	SP057WB	IS	electrobackpack	LWG01	03R004	TS	SP	WB	057						34 9	133										LWG0103R004TSSPWB057	ok
10/24/2002	11 15	ORNZ83FT	7618593 4209	715458 7650	EB2B	SP058WB	IS	electrobackpack	LWG01	03R004	TS	SP	WB	058						39 9	148										LWG0103R004TSSPWB058	ok
10/24/2002	11 15	ORNZ83FT	7618593 4209	715458 7650	EB2B	SP059WB	IS	electrobackpack	LWG01	03R004	TS	SP	WB	059						17 1	113										LWG0103R004TSSPWB059	ok
10/24/2002	11 15	ORNZ83FT	7618593 4209	715458 7650	EB2B	SP060WB	IS	electrobackpack	LWG01	03R004	TS	SP	WB	060						16.3	111										LWG0103R004TSSPWB060	ok
10/24/2002	11.30	ORNZ83FT	7631883.3901	697562 0073	CT2	CR047WB	IS	Crayfish trap	LWG01	08R001	TS	CR	WB	047						26.2	92										LWG0108R001TSCRWB047	#REF!
10/24/2002	11 55	ORNZ83FT	7626197 5951	704173.3491	CT3	CR011WB	IS	Crayfish trap	LWG01	06R004	TS	CR	WB	011						31 1	100										LWG0106R004TSCRWB011	#REF!
10/24/2002	11 55	ORNZ83FT	7626197 5951	704173.3491	CT3	CR012WB	IS	Crayfish trap	LWG01	06R004	TS	CR	WB	012						75	121										LWG0106R004TSCRWB012	ok
10/24/2002	12·00	ORNZ83FT	7620445 2891	714453 2947	EB3B	SP042WB	IS	electrobackpack	LWG01	04R003	TS	SP	WB	042						12 7	103					11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSSPWBC00	0	LWG0104R003TSSPWB042	ok
10/24/2002	12·00	ORNZ83FT	7620445 2891	714453.2947	EB3B	SP043WB	IS	electrobackpack	LWG01	04R003	TS	SP	WB	043						15	114					11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSSPWBC00	0	LWG0104R003TSSPWB043	ok
10/24/2002	12·00	ORNZ83FT	7620445 2891	714453.2947	EB3B	SP044WB	IS	electrobackpack	LWG01	04R003	TS	SP	WB	044						8.5	90										LWG0104R003TSSPWB044	ok
10/24/2002	12·00	ORNZ83FT	7618227 853	712179 9478	EB2A	SP019WB	IS	electrobackpack	LWG01	04R004	TS	SP	WB	019						8 8	100										LWG0104R004TSSPWB019	#REF!
10/24/2002	13 20	ORNZ83FT	7621051 765	710356 123	EB3A	SP023WB	IS	electrobackpack	LWG01	05R001	TS	SP	WB	023						20 2	118										LWG0105R001TSSPWB023	#REF!
10/24/2002	13 20	ORNZ83FT	7621051 765	710356 123	EB3A	SP024WB	IS	electrobackpack	LWG01	05R001	TS	SP	WB	024						19 2	114										LWG0105R001TSSPWB024	#REF!
########	14 50	ORNZ83FT	7631883 3901	697562 0073	EB5A	SP052WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	052						12 4	104										LWG0108R001TSSPWB052	#REF!
########	14 50	ORNZ83FT	7631883 3901	697562 0073	EB5A	SP053WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	053						20 8	117										LWG0108R001TSSPWB053	ok
########	14 50	ORNZ83FT	7631883 3901	697562 0073	EB5A	SP054WB	IS	electrobackpack	LWG01	08R001	TS	SP	WB	054						21 5	120										LWG0108R001TSSPWB054	#REF!
10/25/2002	10 42	ORNZ83FT	7628527 331	701634 5207	TL2	SP014WB	IS	Trot Line	LWG01	07R003	TS	SP	WB	014						58	172					11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSSPWBC00	0	LWG0107R003TSSPWB014	#REF!
10/25/2002	10 42	ORNZ83FT	7628527 331	701634 5207	TL2	SP015WB	IS	Trot Line	LWG01	07R003	TS	SP	WB	015						17 1	114					11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSSPWBC00	0	LWG0107R003TSSPWB015	ok
10/25/2002	10·42	ORNZ83FT	7628527 331	701634 5207	TL2	SP016WB	IS	Trot Line	LWG01	07R003	TS	SP	WB	016						21 4	125					11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSSPWBC00	0	LWG0107R003TSSPWB016	ok
10/25/2002	10·42	ORNZ83FT	7628527 331	701634 5207	TL2	SP017WB	IS	Trot Line	LWG01	07R003	TS	SP	WB	017						21 1	124					11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSSPWBC00	0	LWG0107R003TSSPWB017	ok
10/25/2002	10·42	ORNZ83FT	7628527 331	701634 5207	TL2	SP018WB	IS	Trot Line	LWG01	07R003	TS	SP	WB	018						42 8	148					11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSSPWBC00	0	LWG0107R003TSSPWB018	ok
10/25/2002	10·42	ORNZ83FT	7628527 331	701634 5207	TL2	SP019WB	IS	Trot Line	LWG01	07R003	TS	SP	WB	019						19 6	123					11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSSPWBC00	0	LWG0107R003TSSPWB019	#REF!
10/25/2002	11 40	ORNZ83FT	7619736 5259	713106 6040	TL4	BC010WB	SN	Trot Line	LWG01	FZ0306	TS	BC	WB	010						192 2	225					12/03_2	12/11	LF/JS/JC	LWG01FZ0306TSBCWBC20	2	LWG01FZ0306TSBCWB010	#REF!
10/25/2002	11.50	ORNZ83FT	7620445.2891	714453.2947	EB2	SP045WB	IS	electrobackpack	LWG01	04R003	TS	SP	WB	045						24 8	135					11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSSPWBC00	0	LWG0104R003TSSPWB045	#REF!
10/25/2002	14 20	ORNZ83FT	7632596.018	700615 489	EB3	CR031WB	IS	electrobackpack	LWG01	08R003	TS	CR	WB	031						27 2	96										LWG0108R003TSCRWB031	#REF!
10/25/2002	14 20	ORNZ83FT	7632596 018	700615 489	EB3	CR032WB	IS	electrobackpack	LWG01	08R003	TS	CR	WB	032						26 2	93										LWG0108R003TSCRWB032	ok
10/25/2002	14 20	ORNZ83FT	7632596 018	700615 489	EB3	CR033WB	IS	electrobackpack	LWG01	08R003	TS	CR	WB	033						22.3	93										LWG0108R003TSCRWB033	ok
10/25/2002	14 20	ORNZ83FT	7632596 018	700615 489	EB3	SP033WB	IS	electrobackpack	LWG01	08R003	TS	SP	WB	033						14 7	108					11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSSPWBC00	0	LWG0108R003TSSPWB033	ok
10/25/2002	14.20	ORNZ83FT	7632596 018	700615 489	EB3	SP034WB	IS	electrobackpack	LWG01	08R003	TS	SP	WB	034						9	97										LWG0108R003TSSPWB034	ok
10/25/2002	14.20	ORNZ83FT	7632596 018	700615 489	EB3	SP035WB	IS	electrobackpack	LWG01	08R003	TS	SP	WB	035						8 4	96										LWG0108R003TSSPWB035	ok
########	15 12	ORNZ83FT	7636732 804	699132 503	TL5	BB040WB	IS	Trot Line	LWG01	FZ0609	TS	BB	WB	040						139 3	226					11/22_2	11/27/2002	EF/JS	LWG01FZ0609TSBBWBC20	2	LWG01FZ0609TSBBWB040	#REF!
10/28/2002	12 52	ORNZ83FT	7618227 853	712179 9478	CT01	CR018WB	TS	Crayfish trap	LWG01	04R004	TS	CR	WB	018						40 3	103					11/19_2	11/20	LF/JS/SN/JC	LWG0104R004TSCRWBC20	2	LWG0104R004TSCRWB018	#REF!
10/28/2002	14·05	ORNZ83FT	7626197 5951	704173 3491	CT02	CR013WB	TS	Crayfish trap	LWG01	06R004	TS	CR	WB	013						46 9	115					11/19_1	11/20	LF/JS/SN/JC	LWG0106R004TSCRWBC10	1	LWG0106R004TSCRWB013	ok
10/28/2002	14·05	ORNZ83FT	7626197 5951	704173 3491	CT02	CR014WB	TS	Crayfish trap	LWG01	06R004	TS	CR	WB	014						29 2	105										LWG0106R004TSCRWB014	#REF!
10/28/2002	18 10	ORNZ83FT	7636201 8446	698934 6370	AG	BC011WB	TS	Angling	LWG01	FZ0609	TS	BC	WB	011						169 6	226				fork length n	12/03_1	12/11	LF/JS/JC	LWG01FZ0609TSBCWBC10	1	LWG01FZ0609TSBCWB011	#REF!
10/28/2002	23 30	ORNZ83FT	7617069 5696	718920 1912	BS8	PM001WB	TS	Beach Seine	LWG01	03R014	TS	PM	WB	001						69 9	202	180									LWG0103R014TSPMWB001	ok
10/28/2002	23 30	ORNZ83FT	7617069 5696	718920 1912	BS8	PM002WB	TS	Beach Seine	LWG01	03R014	TS	PM	WB	002						115 4	230	211									LWG0103R014TSPMWB002	#REF!
10/29/2002	11·06	ORNZ83FT	7620445 2891	714453 2947	TL1	SP046WB	SP	Trot Line	LWG01	04R003	TS	SP	WB	046						31	135					11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSSPWBC00	0	LWG0104R003TSSPWB046	#REF!
10/29/2002	11·06	ORNZ83FT	7620445 2891	714453 2947	TL1	SP047WB	SP	Trot Line	LWG01	04R003	TS	SP	WB	047						25 1	131					11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSSPWBC00	0	LWG0104R003TSSPWB047	#REF!
10/29/2002	12 11	ORNZ83FT	7618227 853	712179 9478	TL2	SP020WB	SP	Trot Line	LWG01	04R004	TS	SP	WB	020						64 4	163										LWG0104R004TSSPWB020	#REF!
10/29/2002	12 11	ORNZ83FT	7618227 853	712179 9478	TL2	SP021WB	SP	Trot Line	LWG01	04R004	TS	SP	WB	021						36	142					11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSSPWBC00	0	LWG0104R004TSSPWB021	ok
10/29/2002	12 11	ORNZ83FT	7618227 853	712179 9478	TL2	SP022WB	SP	Trot Line	LWG01	04R004	TS	SP	WB	022						42 7	145					11/19_1	11/20	LF/JS/SN/JC	LWG0104R004TSSPWBC00	0	LWG0104R004TSSPWB022	ok
10/29/2002	12 11	ORNZ83FT	7618227 853	712179 9478	TL2	SP023WB	SP	Trot Line	LWG01	04R004	TS	SP	WB	023						27 8	129										LWG0104R004TSSPWB023	ok
10/29/2002	12 11	ORNZ83FT	7618227 853	712179 9478	TL2	SP024WB	SP	Trot Line	LWG01	04R004	TS	SP	WB	024						33.5	139										LWG0104R004TSSPWB024	ok
10/29/2002	12 11	ORNZ83FT	7618227 853	712179 9478	TL2	SP025WB	SP	Trot Line	LWG01	04R004	TS	SP	WB	025						29 7	130										LWG0104R004TSSPWB025	ok
10/29/2002	12 11	ORNZ83FT	7618227 853	712179 9478	TL2	SP026WB	SP	Trot Line	LWG01	04R004	TS	SP	WB	026						23 5	125										LWG0104R004TSSPWB026	#REF!
10/29/2002	15.28	ORNZ83FT	7626197 5951	704173 3491	CT2	CR015WB	SP	Crayfish trap	LWG01	06R004	TS	CR	WB	015						39.3	110					11/19_2	11/20	LF/JS/SN/JC	LWG0106R004TSCRWBC20	2	LWG0106R004TSCRWB015	#REF!
10/29/2002	15 28	ORNZ83FT	7626197 5951	704173 3491	CT2	CR016WB	SP	Crayfish trap	LWG01	06R004	TS	CR	WB	016						57 6	117					11/19_2	11/20	LF/JS/SN/JC	LWG0106R004TSCRWBC20	2	LWG0106R004TSCRWB016	ok
10/29/2002	15.28	ORNZ83FT	7626197 5951	704173.3491	CT2	CR017WB	SP	Crayfish trap	LWG01	06R004	TS	CR	WB	017						33 8	101					11/19_2	11/20	LF/JS/SN/JC	LWG0106R004TSCRWBC20	2	LWG0106R004TSCRWB017	ok
10/29/2002	15 28	ORNZ83FT	7626197 5951	704173 3491	CT2	CR018WB	SP	Crayfish trap	LWG01	06R004	TS	CR	WB	018						47.2	112					11/19_2	11/20	LF/JS/SN/JC	LWG0106R004TSCRWBC20	2	LWG0106R004TSCRWB018	ok
10/29/2002	17 40	ORNZ83FT	7620229 6108	713425.3335	AG	BC011WB	BC	Angling	LWG01	FZ0306	TS	BC	WB	011						114 1	206	194									LWG01FZ0306TSBCWB011	ok
10/29/2002	18 15	ORNZ83FT	7620045 6026	713455 0495	AG	BC012WB	BC	Angling	LWG01	FZ0306	TS	BC	WB	012						155 7	220	209				12/03_1	12/11	LF/JS/JC	LWG01FZ0306TSBCWBC10	1	LWG01FZ0306TSBCWB012	ok
10/29/2002	18 50	ORNZ83FT	7620045 6026	713455 0495	AG	BC013F	BC	Angling	LWG01	FZ0306	TS	BC	F	013						243 4	246	233	41 7	55 2		12/03_2	12/11	LF/JS/JC	LWG01FZ0306TSBCFLC20 and LWG01FZ0306TSBCFSC20	2	LWG01FZ0306TSBCF013	ok
10/29/2002	21·05	ORNZ83FT	7619748 3754	713493 5547	AG	BC014WB	BC	Angling	LWG01	FZ0306	TS	BC	WB	014						140 3	225	210				12/03_1	12/11	LF/JS/JC	LWG01FZ0306TSBCWBC10	1	LWG01FZ0306TSBCWB014	ok
10/29/2002	21 10	ORNZ83FT	7619748 3754	713493 5547	AG	BC015WB	BC	Angling	LWG01	FZ0306	TS	BC	WB	015						124 3	210	195									LWG01FZ0306TSBCWB015	ok
10/29/2002	21 55	ORNZ83FT	7619427 5199	713546.2267	AG	BC016WB	BC	Angling	LWG01	FZ0306	TS	BC	WB	016						218 9	237	225				12/03_1	12/11	LF/JS/JC	LWG01FZ0306TSBCWBC10	1	LWG01FZ0306TSBCWB016	ok
10/29/2002	22 20	ORNZ83FT	7619427 5199	713546 2267	AG	BC017WB	BC	Angling	LWG01	FZ0306	TS	BC	WB	017						187 9	232	220				12/03_2	12/11	LF/JS/JC	LWG01FZ0306TSBCWBC20	2	LWG01FZ0306TSBCWB017	ok
10/30/2002	9·42	ORNZ83FT	7626197 5951	704173.3491	CT1	CR019WB	SP	Crayfish trap	LWG01	06R004	TS	CR	WB	019						47 7	103					11/19_2	11/20	LF/JS/SN/JC	LWG0106R004TSCRWBC20	2	LWG0106R004TSCRWB019	ok
10/30/2002	9·42	ORNZ83FT	7626197 5951	704173.3491	CT1	CR020WB	SP	Crayfish trap	LWG01	06R004	TS	CR	WB	020						117 2	103										LWG0106R004TSCRWB020	ok
10/30/2002	9 42	ORNZ83FT	7626197 5951	704173.3491	CT1	CR021WB	SP	Crayfish trap	LWG01	06R004	TS	CR	WB	021						55 6	109					11/19_2	11/20	LF/JS/SN/JC	LWG0106R004TSCRWBC20	2	LWG0106R004TSCRWB021	ok
10/30/2002	9 42	ORNZ83FT	7626197.5951	704173.3491	CT1	CR022WB	SP	Crayfish trap	LWG01	06R004	TS	CR	WB	022						50 7	103					11/19_2	11/20	LF/JS/SN/JC	LWG0106R004TSCRWBC20	2	LWG0106R004TSCRWB022	ok
10/30/2002	9 42	ORNZ83FT	7626197.5951	704173.3491	CT1	CR023WB	SP	Crayfish trap	LWG01	06R004	TS	CR	WB	023						59 1	107										LWG0106R004TSCRWB023	ok
10/30/2002	9 42	ORNZ83FT	7626197.5951	704173.3491	CT1	CR024WB	SP	Crayfish trap	LWG01	06R004	TS	CR	WB	024						67.8	109										LWG0106R004TSCRWB024	ok
10/30/2002	9·42	ORNZ83FT	7626197 5951	704173 3491	CT1	CR025WB	SP	Crayfish trap	LWG01	06R004	TS	CR	WB	025						43.3	107					11/19_2	11/20	LF/JS/SN/JC	LWG0106R004TSCRWBC20	2	LWG0106R004TSCRWB025	ok
10/30/2002	9 42	ORNZ83FT	7626197 5951	704173 3491	CT1	CR026WB	SP	Crayfish trap	LWG01	06R004	TS	CR	WB	026						35	104										LWG0106R004TSCRWB026	#REF!
10/30/2002	15·00	ORNZ83FT	7637524 2003	694187 8368	TL3	NP003WB		Trot Line	LWG01	09R006	TS	NP	WB	003						1209 4	496	469									LWG0109R006TSNPWB003	#REF!
10/30/2002	15 00	ORNZ83FT	7637524 2003	694187 8368	TL3	YB041WB	SP	Trot Line	LWG01	FZ0609	TS	YB	WB	041						244 9	260	255									LWG01FZ0609TSYBWB041	ok
10/30/2002	15·00	ORNZ83FT	7637524 2003	694187 8368	TL3	YB042WB	SP	Trot Line	LWG01	FZ0609	TS	YB	WB	042		69				153 7	220	215			hook removed in lab						LWG01FZ0609TSYBWB042	ok
10/30/2002	17.35	ORNZ83FT	7617283 6631	718532 0089	BS12	PM003WB	TS	Beach Seine	LWG01	03R014	TS	PM	WB	003						127 4	240	220									LWG0103R014TSPMWB003	ok
10/30/2002	19·05	ORNZ83FT	7619748.3754	713493.5547	AG1	BC018WB	BC	Angling	LWG01	FZ0306	TS	BC	WB	018						245.3	244	238				12/03_2	12/11	LF/JS/JC	LWG01FZ0306TSBCWBC20	2	LWG01FZ0306TSBCWB018	ok
10/30/2002	19 15	ORNZ83FT	7619748.3754	713493.5547	AG5	BC022WB	BC	Angling	LWG01	FZ0306	TS	BC	WB	022						103 9	190	177									LWG01FZ0306TSBCWB022	ok
10/30/2002	19:20	ORNZ83FT	7619748.3754	713493.5547	AG3	BC020WB	BC	Angling	LWG01	FZ0306	TS	BC	WB	020						190.3	233	220				12/03_1	12/11	LF/JS/JC	LWG01FZ0306TSBCWBC10	1	LWG01FZ0306TSBCWB020	ok
10/30/2002	20·50	ORNZ83FT	7619427.5199	713546.2267	AG2	BC019WB	BC	Angling	LWG01	FZ0306	TS	BC	WB	019						176 4	218	210				12/03_1	12/11	LF/JS/JC	LWG01FZ0306TSBCWBC10	1	LWG01FZ0306TSBCWB019	ok
10/30/2002	21·00	ORNZ83FT	7619427 5199	713546.2267	AG4	BC021WB	BC	Angling	LWG01	FZ0306	TS	BC	WB	021						151.5	220	215				12/03_2	12/11	LF/JS/JC	LWG01FZ0306TSBCWBC20	2	LWG01FZ0306TSBCWB021	#REF!
10/31/2002	10·00	ORNZ83FT	7632596 018	700615 489	TL1	SP036WB	EA	Trot Line	LWG01	08R003	TS	SP	WB	036		15 2				14 7	106				hook removed in	11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSSPWBC00	0	LWG0108R003TSSPWB036	#REF!
10/31/2002	15 25	ORNZ83FT	7618227.853	712179 9478	CT1	CR019WB	EA	Crayfish trap	LWG01	04R004	TS	CR	WB	019						54 9	126					11/19_2	11/20	LF/JS/SN/JC	LWG0104R004TSCRWBC20	2	LWG0104R004TSCRWB019	#REF!
10/31/2002	17 22	ORNZ83FT	7616885 0423	721872 3461	BS5	PM004WB	TS	Beach Seine	LWG01	03R014	TS	PM	WB	004						61 1	207	183									LWG0103R014TSPMWB004	#REF!
10/31/2002	17 25	ORNZ83FT	7620045 6026	713455 0495	AG1	BC023WB	BC	Angling	LWG01	FZ0306	TS	BC	WB	023						175 4	223	210				12/03_2	12/11	LF/JS/JC	LWG01FZ0306TSBCWBC20	2	LWG01FZ0306TSBCWB023	ok

Table C-1 Fish Tissue Data Master Table

Date	Time	Coord type	X Easting	Y Northing	Key Day	Map Key	Sampler	Method	Site Round	Station	Matrix	Species	Tissue	Sample	Excluded Sample	FieldWt g	FieldTLgth mm	FieldFLgth mm	FieldCmnts	LabWt g	LabTLgth mm	LabFLgth mm	LabFSWt g	LabFLWt g	LabCmnts	Comp	SentToLab	Packer	Comp sample code	rep code	sample code	dup check
10/31/2002	19:25	ORNZ83FT	7617114 2174	718848.3729	BS11	PM005WB	TS	Beach Seine	LWG01	03R014	TS	PM	WB	005						62	201	180									LWG0103R014TSPMWB005	ok
11/1/2002	10 00	ORNZ83FT	7619736 5259	713106 6040	TL2	PM004WB	EA	Trot Line	LWG01	05R006	TS	PM	WB	004						211.3	295	264									LWG0105R006TSPMWB004	ok
11/1/2002	10 30	ORNZ83FT	7618227 853	712179 9478	CT1	CR020WB	EA	Crayfish trap	LWG01	04R004	TS	CR	WB	020						28 9	102					11/19_2	11/20	LF/JS/SN/JC	LWG0104R004TSCRWBC20	2	LWG0104R004TSCRWB020	ok
11/1/2002	10-30	ORNZ83FT	7618227.853	712179 9478	CT1	CR021WB	EA	Crayfish trap	LWG01	04R004	TS	CR	WB	021						20 3	90										LWG0104R004TSCRWB021	ok
11/1/2002	11 16	ORNZ83FT	7637520 0169	694191 1158	TL3	NP004WB	EA	Trot Line	LWG01	09R006	TS	NP	WB	004						767 6	445	405									LWG0109R006TSNPWB004	#REF!
11/1/2002	12 20	ORNZ83FT	7632596 018	700615 489	EB2A	SP037WB	EA	electrobackpack	LWG01	08R003	TS	SP	WB	037						12 8	114					11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSSPWBC00	0	LWG0108R003TSSPWB037	#REF!
11/1/2002	12 20	ORNZ83FT	7632596 018	700615 489	EB2A	SP038WB	EA	electrobackpack	LWG01	08R003	TS	SP	WB	038						12.2	110					11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSSPWBC00	0	LWG0108R003TSSPWB038	#REF!
11/1/2002	14 22	ORNZ83FT	7632596 018	700615 489	EB3A	SP039WB	EA	electrobackpack	LWG01	08R003	TS	SP	WB	039						11.2	105					11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSSPWBC00	0	LWG0108R003TSSPWB039	#REF!
11/1/2002	15-00	ORNZ83FT	7636498 6432	698627 8956	CT4	CR025WB	EA	Crayfish trap	LWG01	09R001	TS	CR	WB	025						29 4	105										LWG0109R001TSCRWB025	ok
11/1/2002	15-00	ORNZ83FT	7636498 6432	698627 8956	CT4	CR026WB	EA	Crayfish trap	LWG01	09R001	TS	CR	WB	026						21	90										LWG0109R001TSCRWB026	#REF!
11/4/2002	19-10	ORNZ83FT	7635228 7034	699674 3625	AG1	BC012WB	BC	Angling	LWG01	FZ0609	TS	BC	WB	012						146 7	220	195									LWG01FZ0609TSBCWB012	#REF!
11/4/2002	20-22	ORNZ83FT	7632718 6373	701899 0249	EF3	PM005WB	IS	electro	LWG01	08R010	TS	PM	WB	005						72.2	210	195									LWG0108R010TSPMWB005	ok
11/4/2002	20-22	ORNZ83FT	7632718 6373	701899 0249	EF3	PM006WB	IS	electro	LWG01	08R010	TS	PM	WB	006						106.2	243	217									LWG0108R010TSPMWB006	ok
11/4/2002	20:22	ORNZ83FT	7632718 6373	701899 0249	EF3	PM007WB	IS	electro	LWG01	08R010	TS	PM	WB	007						68 4	210	190									LWG0108R010TSPMWB007	ok
11/4/2002	22 10	ORNZ83FT	7635228 7034	699674.3625	AG2A	BC013WB	BC	Angling	LWG01	FZ0609	TS	BC	WB	013						196 1	235	221				12/03_2	12/11	LF/JS/JC	LWG01FZ0609TSBCWBC20	2	LWG01FZ0609TSBCWB013	ok
11/4/2002	22 26	ORNZ83FT	7634121.2576	700620 7979	AG1B	BC014WB	IS	Angling	LWG01	FZ0609	TS	BC	WB	014						334	276	263				12/03_2	12/11	LF/JS/JC	LWG01FZ0609TSBCWBC20	2	LWG01FZ0609TSBCWB014	ok
11/4/2002	23.39	ORNZ83FT	7620425 7290	711496 8634	EF13A	PM005WB	IS	electro	LWG01	05R006	TS	PM	WB	005						91	230	207									LWG0105R006TSPMWB005	ok
11/4/2002	23 39	ORNZ83FT	7620425 7290	711496.8634	EF13A	PM006WB	IS	electro	LWG01	05R006	TS	PM	WB	006						64 6	200	188									LWG0105R006TSPMWB006	ok
11/5/2002	8 30	ORNZ83FT	7637535 0118	694153.3922	CT1	CR015WB	SJ	Crayfish trap	LWG01	09R003	TS	CR	WB	015						57	120					11/19_1	11/20	LF/JS/SN/JC	LWG0109R003TSCRWBC00	0	LWG0109R003TSCRWB015	ok
11/5/2002	8 30	ORNZ83FT	7637535 0118	694153 3922	CT1	CR016WB	SJ	Crayfish trap	LWG01	09R003	TS	CR	WB	016						35 9	110					11/19_1	11/20	LF/JS/SN/JC	LWG0109R003TSCRWBC00	0	LWG0109R003TSCRWB016	ok
11/5/2002	8 30	ORNZ83FT	7637535 0118	694153 3922	CT1	CR017WB	SJ	Crayfish trap	LWG01	09R003	TS	CR	WB	017						39.2	100					11/19_1	11/20	LF/JS/SN/JC	LWG0109R003TSCRWBC00	0	LWG0109R003TSCRWB017	ok
11/5/2002	8 30	ORNZ83FT	7637535 0118	694153.3922	CT1	CR018WB	SJ	Crayfish trap	LWG01	09R003	TS	CR	WB	018						36 4	102										LWG0109R003TSCRWB018	ok
11/5/2002	8.30	ORNZ83FT	7637535 0118	694153 3922	CT1	CR019WB	SJ	Crayfish trap	LWG01	09R003	TS	CR	WB	019						26 7	93										LWG0109R003TSCRWB019	ok
11/5/2002	8.30	ORNZ83FT	7637535 0118	694153 3922	CT1	CR020WB	SJ	Crayfish trap	LWG01	09R003	TS	CR	WB	020						35 8	105										LWG0109R003TSCRWB020	ok
11/5/2002	8.30	ORNZ83FT	7637535 0118	694153.3922	CT1	CR021WB	SJ	Crayfish trap	LWG01	09R003	TS	CR	WB	021						35 9	101										LWG0109R003TSCRWB021	ok
11/5/2002	8 30	ORNZ83FT	7637535 0118	694153 3922	CT1	CR022WB	SJ	Crayfish trap	LWG01	09R003	TS	CR	WB	022						29 4	100										LWG0109R003TSCRWB022	ok
11/5/2002	8 30	ORNZ83FT	7637535 0118	694153.3922	CT1	CR023WB	SJ	Crayfish trap	LWG01	09R003	TS	CR	WB	023						32 6	103										LWG0109R003TSCRWB023	#REF!
11/5/2002	13 15	ORNZ83FT	7630058 6538	699843.3593	EB1	SP034WB	IS	electrobackpack	LWG01	08R002	TS	SP	WB	034						13 7	104					11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB034	#REF!
11/5/2002	13 15	ORNZ83FT	7630058 6538	699843.3593	EB1	SP035WB	IS	electrobackpack	LWG01	08R002	TS	SP	WB	035						17.2	110					11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB035	ok
11/5/2002	13 15	ORNZ83FT	7630058 6538	699843 3593	EB1	SP036WB	IS	electrobackpack	LWG01	08R002	TS	SP	WB	036						20 5	118					11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB036	ok
11/5/2002	13 15	ORNZ83FT	7630058 6538	699843.3593	EB1	SP037WB	IS	electrobackpack	LWG01	08R002	TS	SP	WB	037						17 1	120					11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB037	ok
11/5/2002	13 15	ORNZ83FT	7630058 6538	699843 3593	EB1	SP038WB	IS	electrobackpack	LWG01	08R002	TS	SP	WB	038						19 6	121					11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB038	ok
11/5/2002	13 15	ORNZ83FT	7630058 6538	699843 3593	EB1	SP039WB	IS	electrobackpack	LWG01	08R002	TS	SP	WB	039						25 2	124					11/19_1	11/20	LF/JS/SN/JC	LWG0108R002TSSPWBC00	0	LWG0108R002TSSPWB039	ok
11/5/2002	13 15	ORNZ83FT	7630058 6538	699843.3593	EB1	SP040WB	IS	electrobackpack	LWG01	08R002	TS	SP	WB	040						12 7	105										LWG0108R002TSSPWB040	ok
11/5/2002	13 15	ORNZ83FT	7630058 6538	699843.3593	EB1	SP041WB	IS	electrobackpack	LWG01	08R002	TS	SP	WB	041						14 7	102										LWG0108R002TSSPWB041	ok
11/5/2002	14 25	ORNZ83FT	7632596 018	700615 489	TL3	SP040WB	IS	Trot Line	LWG01	08R003	TS	SP	WB	040						19 8	122					11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSSPWBC00	0	LWG0108R003TSSPWB040	ok
11/5/2002	14 25	ORNZ83FT	7632596 018	700615 489	TL3	SP041WB	IS	Trot Line	LWG01	08R003	TS	SP	WB	041						12 8	104					11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSSPWBC00	0	LWG0108R003TSSPWB041	ok
11/5/2002	14 25	ORNZ83FT	7632596 018	700615 489	TL3	SP042WB	IS	Trot Line	LWG01	08R003	TS	SP	WB	042						23 8	128					11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSSPWBC00	0	LWG0108R003TSSPWB042	ok
11/5/2002	14 25	ORNZ83FT	7632596 018	700615 489	TL3	SP043WB	IS	Trot Line	LWG01	08R003	TS	SP	WB	043						24 6	126					11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSSPWBC00	0	LWG0108R003TSSPWB043	ok
11/5/2002	14 25	ORNZ83FT	7632728 6069	700570 5931	TL3	BB043WB	IS	Trot Line	LWG01	FZ0609	TS	BB	WB	043						302 8	289	289				11/22_1	11/27/2002	EF/JS	LWG01FZ0609TSBBWBC10	1	LWG01FZ0609TSBBWB043	ok
11/5/2002	18 30	ORNZ83FT	7635509 1060	699499 6404	AG1	BC015WB	BC	Angling	LWG01	FZ0609	TS	BC	WB	015						304 4	258	249				12/03_2	12/11	LF/JS/JC	LWG01FZ0609TSBCWBC20	2	LWG01FZ0609TSBCWB015	ok
11/5/2002	18 35	ORNZ83FT	7635323 6742	699639 4306	AG2	BC016WB	BC	Angling	LWG01	FZ0609	TS	BC	WB	016						221 8	244	230				12/03_2	12/11	LF/JS/JC	LWG01FZ0609TSBCWBC20	2	LWG01FZ0609TSBCWB016	ok
11/5/2002	19-00	ORNZ83FT	7635509 1060	699499 6404	AG3	BC017WB	BC	Angling	LWG01	FZ0609	TS	BC	WB	017						218 4	244	233				12/03_1	12/11	LF/JS/JC	LWG01FZ0609TSBCWBC10	1	LWG01FZ0609TSBCWB017	ok
11/5/2002	21.30	ORNZ83FT	7635323 6742	699639 4306	AG4	BC018WB	BC	Angling	LWG01	FZ0609	TS	BC	WB	018						155 2	221	211									LWG01FZ0609TSBCWB018	ok
11/6/2002	9 25	ORNZ83FT	7631883.3901	697562 0073	CT1	CR048WB	EA	Crayfish trap	LWG01	08R001	TS	CR	WB	048						48.7	109					11/19_1	11/20	LF/JS/SN/JC	LWG0108R001TSCRWBC00	0	LWG0108R001TSCRWB048	ok
11/6/2002	9-30	ORNZ83FT	7628527 331	701634 5207	CT2	CR009WB	EA	Crayfish trap	LWG01	07R003	TS	CR	WB	009						38	100					11/19_1	11/20	LF/JS/SN/JC	LWG0107R003TSCRWBC00	0	LWG0107R003TSCRWB009	ok
11/6/2002	9 50	ORNZ83FT	7628848 043	703848.2372	CT3	CR009WB	EA	Crayfish trap	LWG01	07R004	TS	CR	WB	009						33 5	108					11/19_1	11/20	LF/JS/SN/JC	LWG0107R004TSCRWBC00	0	LWG0107R004TSCRWB009	ok
11/6/2002	10:30	ORNZ83FT	7632596 018	700615 489	TL2	SP044WB	SJ	Trot Line	LWG01	08R003	TS	SP	WB	044		31 4				29 6	135				hook removed in	11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSSPWBC00	0	LWG0108R003TSSPWB044	ok
11/6/2002	10-30	ORNZ83FT	7632596 018	700615 489	TL2	SP045WB	SJ	Trot Line	LWG01	08R003	TS	SP	WB	045		78 4				78 4	174				hook removed in lab						LWG0108R003TSSPWB045	ok
11/6/2002	10 30	ORNZ83FT	7632596.018	700615 489	TL2	SP046WB	SJ	Trot Line	LWG01	08R003	TS	SP	WB	046						52	160					11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSSPWBC00	0	LWG0108R003TSSPWB046	ok
11/6/2002	10-30	ORNZ83FT	7632596 018	700615 489	TL2	SP047WB	SJ	Trot Line	LWG01	08R003	TS	SP	WB	047		34 7				33 3	136				hook removed in	11/19_1	11/20	LF/JS/SN/JC	LWG0108R003TSSPWBC00	0	LWG0108R003TSSPWB047	ok
11/6/2002	10:30	ORNZ83FT	7632596 018	700615 489	TL2	SP048WB	SJ	Trot Line	LWG01	08R003	TS	SP	WB	048						15 9	114										LWG0108R003TSSPWB048	#REF!
11/6/2002	18 15	ORNZ83FT	7635323 6742	699639 4306	AG1	BC019WB	BC	Angling	LWG01	FZ0609	TS	BC	WB	019						252 1	240	233				12/03_1	12/11	LF/JS/JC	LWG01FZ0609TSBCWBC10	1	LWG01FZ0609TSBCWB019	#REF!
11/6/2002	18 50	ORNZ83FT	7635323 6742	699639 4306	AG2	BC020WB	BC	Angling	LWG01	FZ0609	TS	BC	WB	020						261 1	255	244				12/03_1	12/11	LF/JS/JC	LWG01FZ0609TSBCWBC10	1	LWG01FZ0609TSBCWB020	ok
11/6/2002	18.55	ORNZ83FT	7635323 6742	699639 4306	AG4	BC021F	BC	Angling	LWG01	FZ0609	TS	BC	F	021						181 5	224	215	29 6	42 9		12/03_1	12/11	LF/JS/JC	LWG01FZ0609TSBCFLC10 and LWG01FZ0609TSBCFSC10	1	LWG01FZ0609TSBCF021	ok
11/6/2002	19 30	ORNZ83FT	7635323 6742	699639 4306	AG5	BC022F	BC	Angling	LWG01	FZ0609	TS	BC	F	022						162	223	212	27 8	37 7							LWG01FZ0609TSBCF022	ok
11/6/2002	19 45	ORNZ83FT	7635323 6742	699639 4306	AG6	BC023F	BC	Angling	LWG01	FZ0609	TS	BC	F	023						179 2	225	217	30 2	43 1		12/03_2	12/11	LF/JS/JC	LWG01FZ0609TSBCFLC20 and LWG01FZ0609TSBCFSC20	2	LWG01FZ0609TSBCF023	ok
11/6/2002	20-25	ORNZ83FT	7635323 6742	699639 4306	AG7	BC024WB	BC	Angling	LWG01	FZ0609	TS	BC	WB	024						200 4	230	223				12/03_2	12/11	LF/JS/JC	LWG01FZ0609TSBCWBC20	2	LWG01FZ0609TSBCWB024	ok
11/6/2002	21 11	ORNZ83FT	7626359 7288	703997 2008	EF11	PM003WB	BE	electro	LWG01	07R009	TS	PM	WB	003						65	207	189									LWG0107R009TSPMWB003	ok
11/6/2002	21 50	ORNZ83FT	7635323 6742	699639 4306	AG8	BC025WB	BC	Angling	LWG01	FZ0609	TS	BC	WB	025						370 4	278	270				12/03_1	12/11	LF/JS/JC	LWG01FZ0609TSBCWBC10	1	LWG01FZ0609TSBCWB025	ok
11/6/2002	22 14	ORNZ83FT	7627703 3644	702574 8671	EF15	PM004WB	BE	electro	LWG01	07R009	TS	PM	WB	004						71.5	209	187									LWG0107R009TSPMWB004	#REF!
11/7/2002	13.30	ORNZ83FT	7620445.2891	714453 2947	TL1	SP048WB	EA	Trot Line	LWG01	04R003	TS	SP	WB	048						26 7	136					11/19_1	11/20	LF/JS/SN/JC	LWG0104R003TSSPWBC00	0	LWG0104R003TSSPWB048	#REF!
11/7/2002	11 30	ORNZ83FT	7627810.2241	702445 7006	EB1A	SP001WB	EA	electrobackpack	LWG01	07R006	TS	SP	WB	001						16 8	112					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSSPWBC00	0	LWG0107R006TSSPWB001	ok
11/8/2002	9-00	ORNZ83FT	7627810 2241	702445 7006	CT	CR001WB	EA	Crayfish trap	LWG01	07R006	TS	CR	WB	001						55 9	116					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSCRWBC00	0	LWG0107R006TSCRWB001	ok
11/8/2002	9-00	ORNZ83FT	7627810 2241	702445 7006	CT	CR002WB	EA	Crayfish trap	LWG01	07R006	TS	CR	WB	002						31 8	115					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSCRWBC00	0	LWG0107R006TSCRWB002	ok
11/8/2002	9-00	ORNZ83FT	7627810.2241	702445 7006	CT	CR003WB	EA	Crayfish trap	LWG01	07R006	TS	CR	WB	003						51.2	116					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSCRWBC00	0	LWG0107R006TSCRWB003	ok
11/8/2002	9-19	ORNZ83FT	7627810.2241	702445 7006	TL	SP002WB	EA	Trot Line	LWG01	07R006	TS	SP	WB	002						34 7	143					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSSPWBC00	0	LWG0107R006TSSPWB002	ok
11/8/2002	9-19	ORNZ83FT	7627810 2241	702445 7006	TL	SP003WB	EA	Trot Line	LWG01	07R006	TS	SP	WB	003						19 9	117					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSSPWBC00	0	LWG0107R006TSSPWB003	ok
11/8/2002	9 19	ORNZ83FT	7627810.2241	702445 7006	TL	SP004WB	EA	Trot Line	LWG01	07R006	TS	SP	WB	004						17 4	104					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSSPWBC00	0	LWG0107R006TSSPWB004	#REF!
11/8/2002	7 30	ORNZ83FT	7617129 658	723415.2723	TL	SP013WB	EA	Trot Line	LWG01	02R001	TS	SP	WB	013						24 9	137					11/19_2	11/20	LF/JS/SN/JC	LWG0102R001TSSPWBC00	0	LWG0102R001TSSPWB013	#REF!
11/8/2002	7 30	ORNZ83FT	7617129 658	723415 2723	TL	SP014WB	EA	Trot Line	LWG01	02R001	TS	SP	WB	014						21 4	118					11/19_2	11/20	LF/JS/SN/JC	LWG0102R001TSSPWBC00	0	LWG0102R001TSSPWB014	ok
11/9/2002	11 25	ORNZ83FT	7627810 2241	702445 7006	CT1	CR004WB	IS	Crayfish trap	LWG01	07R006	TS	CR	WB	004						29 3	97										LWG0107R006TSCRWB004	ok
11/9/2002	12-05	ORNZ83FT	7627810 2241	702445 7006	TL1	SP005WB	IS	Trot Line	LWG01	07R006	TS	SP	WB	005						31 1	131					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSSPWBC00	0	LWG0107R006TSSPWB005	ok
11/9/2002	12 15	ORNZ83FT	7627810.2241	702445 7006	TL2	SP006WB	IS	Trot Line	LWG01	07R006	TS	SP	WB	006						24 1	128					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSSPWBC00	0	LWG0107R006TSSPWB006	ok
11/9/2002	12 15	ORNZ83FT	7627810.2241	702445 7006	TL2	SP007WB	IS	Trot Line	LWG01	07R006	TS	SP	WB	007						17 7	113					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSSPWBC00	0	LWG0107R006TSSPWB007	ok
11/9/2002	12 15	ORNZ83FT	7627810 2241	702445 7006	TL2	SP008WB	IS	Trot Line	LWG01	07R006	TS	SP	WB	008						22	124					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSSPWBC00	0	LWG0107R006TSSPWB008	ok
11/9/2002	12 15	ORNZ83FT	7627810 2241	702445 7006	TL2	SP009WB	IS	Trot Line	LWG01	07R006	TS	SP	WB	009						18 7	119					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSSPWBC00	0	LWG0107R006TSSPWB009	ok
11/9/2002	12 15	ORNZ83FT	7627810 2241	702445 7006	TL2	SP010WB	IS	Trot Line	LWG01	07R006	TS	SP	WB	010						11	100					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSSPWBC00	0	LWG0107R006TSSPWB010	ok
11/10/2002	8 50	ORNZ83FT	7627810.2241	702445 7006	CT1	CR005WB	IS	Crayfish trap	LWG01	07R006	TS	CR	WB	005						39 6	107					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSCRWBC00	0	LWG0107R006TSCRWB005	ok
11/10/2002	8 50	ORNZ83FT	7627810 2241	702445 7006	CT1	CR006WB	IS	Crayfish trap	LWG01	07R006	TS	CR	WB	006						52	115					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSCRWBC00	0	LWG0107R006TSCRWB006	ok
11/10/2002	8 50	ORNZ83FT	7627810.2241	702445 7006	CT1	CR007WB	IS	Crayfish trap	LWG01	07R006	TS	CR	WB	007						62 6	112					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSCRWBC00	0	LWG0107R006TSCRWB007	ok
11/10/2002	8 50	ORNZ83FT	7627810.2241	702445 7006	CT1	CR008WB	IS	Crayfish trap	LWG01	07R006	TS	CR	WB	008						32 1	100										LWG0107R006TSCRWB008	ok
11/10/2002	8 50	ORNZ83FT	7627810.2241	702445 7006	CT1	CR009WB	IS	Crayfish trap	LWG01	07R006	TS	CR	WB	009						43 5	102					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSCRWBC00	0	LWG0107R006TSCRWB009	ok
11/10/2002	8 50	ORNZ83FT	7627810.2241	702445 7006	CT1	CR010WB	IS	Crayfish trap	LWG01	07R006	TS	CR	WB	010						38 1	109					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSCRWBC00	0	LWG0107R006TSCRWB010	ok
11/10/2002	8 50	ORNZ83FT	7627810 2241	702445 7006	CT1	CR011WB	IS	Crayfish trap	LWG01	07R006	TS	CR	WB	011						33 4	107										LWG0107R006TSCRWB011	ok
11/10/2002	8 50	ORNZ83FT	7627810 2241	702445 7006	CT1	CR012WB	IS	Crayfish trap	LWG01	07R006	TS	CR	WB	012						76	131										LWG0107R006TSCRWB012	ok
11/10/2002	8 50	ORNZ83FT	7627810 2241	702445 7006	CT1	SP014WB	IS	Crayfish trap	LWG01	07R006	TS	SP	WB	014						31 6	146					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSSPWBC00	0	LWG0107R006TSSPWB014	ok
11/10/2002	8 50	ORNZ83FT	7627810 2241	702445 7006	CT1	SP015WB	IS	Crayfish trap	LWG01	07R006	TS	SP	WB	015						25 1	130					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSSPWBC00	0	LWG0107R006TSSPWB015	ok
11/10/2002	9 10	ORNZ83FT	7627810.2241	702445 7006	TL1	SP011WB	IS	Trot Line	LWG01	07R006	TS	SP	WB	011						19.2	119					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSSPWBC00	0	LWG0107R006TSSPWB011	ok
11/10/2002	9 10	ORNZ83FT	7627810.2241	702445 7006	TL1	SP012WB	IS	Trot Line	LWG01	07R006	TS	SP	WB	012						19 9	123					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSSPWBC00	0	LWG0107R006TSSPWB012	ok
11/10/2002	9-10	ORNZ83FT	7627810 2241	702445 7006	TL1	SP013WB	IS	Trot Line	LWG01	07R006	TS	SP	WB	013						18 2	118					11/19_1	11/20	LF/JS/SN/JC	LWG0107R006TSSPWBC00	0	LWG0107R006TSSPWB013	ok
11/10/2002	10 10	ORNZ83FT	7617129 658	723415.2723	TL2	SP015WB	IS	Trot Line	LWG01	02R001	TS	SP	WB	015						57 2	159					11/19_2	11/20	LF/JS/SN/JC	LWG0102R001TSSPWBC00	0	LWG0102R001TSSPWB015	ok
11/10/2002	10-10	ORNZ83FT	7617129 658	723415 2723	TL2	SP016WB	IS	Trot Line	LWG01	02R001	TS	SP	WB	016						31 6	132					11/19_2	11/20	LF/JS/SN/JC	LWG0102R001TSSPWBC00	0	LWG0102R001TSSPWB016	ok
11/10/2002	10-10	ORNZ83FT	7617129 658	723415.2723	TL2	SP017WB	IS	Trot Line	LWG01	02R001	TS	SP	WB	017						25	127					11/19_2	11/20	LF/JS/SN/JC	LWG0102R001TSSPWBC00	0	LWG0102R001TSSPWB017	ok
11/10/2002	10-10	ORNZ83FT	7617129 658	723415.2723	TL2	SP018WB	IS	Trot Line	LWG01	02R001	TS	SP	WB	018						25 9	126					11/19_2	11/20	LF/JS/SN/JC	LWG0102R001TSSPWBC00	0	LWG0102R001TSSPWB018	ok
11/10/2002	10-10	ORNZ83FT	7617129 658	723415 2723	TL2	SP019WB	IS	Trot Line	LWG01	02R001	TS	SP	WB	019						21.2	125					11/19_2	11/20	LF/JS/SN/JC	LWG0102R001TSSPWBC00	0	LWG0102R001TSSPWB019	ok
11/10/2002	10-10	ORNZ83FT	7617129 658	723415.2723	TL2	SP020WB	IS	Trot Line	LWG01	02R001	TS	SP	WB	020						32 7	136										LWG0102R001TSSPWB020	ok
11/10/2002	10 10	ORNZ83FT	7617129 658	723415.2723	TL2	SP021WB	IS	Trot Line	LWG01	02R001	TS	SP	WB	021						17.3	116					11/19_2	11/20	LF/JS/SN/JC	LWG0102R001TSSPWBC00	0	LWG0102R001TSSPWB021	ok
11/10/2002	10-10	ORNZ83FT	7617129 658	723415.2723	TL2	SP022WB	IS	Trot Line	LWG01	02R001	TS	SP	WB	022						20 7	119					11/19_2	11/20	LF/JS/SN/JC	LWG0102R001TSSPWBC00	0	LWG0102R001TSSPWB022	ok
11/10/2002	10 30	ORNZ83FT	7617129 658	723415 2723	TL4	SP023WB	IS	Trot Line	LWG01	02R001	TS	SP	WB	023						19 7	117					11/19_2	11/20	LF/JS/SN/JC	LWG0102R001TSSPWBC00	0	LWG0102R001TSSPWB023	ok
11/10/2002	10 30	ORNZ83FT	7617129 658	723415.2723	TL4	SP024WB	IS	Trot Line	LWG01	02R001	TS	SP	WB	024						59 8	158					11/19_2	11/20	LF/JS/SN/JC	LWG0102R001TSSPWBC00	0	LWG0102R001TSSPWB024	ok
11/10/2002	10-30	ORNZ83FT	7617129 658	723415.2723	TL4	SP025WB	IS	Trot Line	LWG01	02R001	TS	SP	WB	025						30 1	137					11/19_2	11/20	LF/JS/SN/JC	LWG0102R001TSSPWBC00	0	LWG0102R001TSSPWB025	#REF!

Table C-2 Fish Catch Coordinates

Area_ID	Day key	Collector	EF date	EF time	Method	Objective	Seconds	Morts	Largescale	Largescal2	Carp rel	Carp kept	Smallmouth	Smallmout2	Sculpin re	Sculpin ke	B Bullhea	B bullhe2	Y Bullhea	Y Bullhe2	Pikeminnow	Pikeminno2	B crappie	B crappi2	Walleye re	Walleye ke	Peamouth r	Peamouth k	Lamprey re	Lamprey ke	Crayfish r	Crayfish k	Y Perch r	W crappie	Bluegill r	Peamouth 2	Pumpkinsee	Largemouth	Sucklebac	Sturgeon r	Juv Coho r	Juv Steelh
02R102	BS	BE	6/25/02	23 18	Beach Seine	Target																																				
02R102	BS	BE	6/25/02	23 28	Beach Seine	Target																																				
02R113	BS7	BE	6/26/02	22·00	Beach Seine	Target																																				
02R113	BS8	BE	6/26/02	22 25	Beach Seine	Target																																				
02R102	BS9	BE	6/26/02	22 48	Beach Seine	Target																																				
02R102	BS	BE	6/26/02	23 58	Beach Seine	Target																																				
02R113	BS1	BE	6/25/02	22 50	Beach Seine	Target																																				
02R113	BS2	BE	6/25/02	23·05	Beach Seine	Target																																				
03R118	BS1	BE	6/25/02	23.38	Beach Seine	Target																																				
03R118	BS2	BE	6/25/02	23 55	Beach Seine	Target																																				
02R112	BS1	BE	6/26/02	0·25	Beach Seine	Target																																				
02R112	BS2	BE	6/26/02	0:35	Beach Seine	Target																																				
02R112	BS3	BE	6/26/02	0·50	Beach Seine	Target																																				
02R112	BS4	BE	6/26/02	1 05	Beach Seine	Target																																				
03R125	BS5	BE	6/26/02	1 22	Beach Seine	Target																																				
04R126	BS6	BE	6/26/02	2·00	Beach Seine	Target																																				
26R111	DN1	BE/JF/BC/IS	6/26/02	13.37	Dip Net	Target																																				
02R102	BS10	BE	6/26/02	23 10	Beach Seine	Target																																				
02R102	BS10	BE	6/26/02	23 25	Beach Seine	Target																																				
02R112	BS11	BE	6/26/02	23 44	Beach Seine	Target																																				
02R113	BS1	BE	6/27/02	0·10	Beach Seine	Target																																				
02R102	BS2	BE	6/27/02	0 40	Beach Seine	Target																																				
02R102	BS3	BE	6/27/02	0·55	Beach Seine	Target																																				
02R102	BS4	BE	6/27/02	1·05	Beach Seine	Target																																				
02R001	EF	JK	7/22/02	20 40	EF Boat	Target																																				
02R001	EF1	JK	7/22/02	21 40	EF Boat	Full Count and Meas	1575		10	4	3	0	3	1	3	12	0	0			1	0	0	2	0	0	1	0	0	0	0		0	0		0	0	1000	0	0	0
03R001	EF1	JK	7/23/02	20 40	EF Boat	Full Count and Meas	501		11	7	1	0	4	0	1	5	0	0			2	0	0	0	0	0	1	0	0	0	0		0	0		1	8	0	0	0	0
03R001	EF2	JK	7/22/02	23 58	EF Boat	Full Count and Meas	1211		9	5	2	0	4	1	0	6	0	0			8	0	0	1	0	0	4	0	0	0	0		0	0		0	1	0	0	0	0
03R001	EF2	JK	7/23/02	21 25	EF Boat	Target	1087		1	11	0	0	0	3	0	3	0	0			3	0	1	0	0	0	0	0	0	0	0		0	0		0	0	1	0	0	1
03R001	EF3	JK	7/23/02	22 30	EF Boat	Target	512		0	1	0	0	0	0	0	4	0	1			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
03R001	EF4	JK	7/23/02	23 30	EF Boat	Target	1837		1	0	0	0	3	3	2	0	0	0			0	2	0	0	1	1	1	0	0	0	0		0	0		0	1	0	0	0	0
03R002	EF1	JK	7/24/02	20·45	EF Boat	Full Count and Meas	502		5	1	7	0	2	0	0	1	0	0			4	0	0	0	0	0	1	0	0	0	0		1	1		1	1	0	0	0	0
03R002	EF2	JK	7/24/02	21 50	EF Boat	Target	216		2	1	0	0	0	0	0	0	0	2			0	0	0	0	0	1	0	0	0	0	0		0	0		0	0	0	0	0	0
03R001	EF5	JK	7/24/02	0·50	EF Boat	Target	681		2	0	0	0	3	1	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
03R002	EF1	JK	7/25/02	20 10	EF Boat	Full Count and Meas	515		7	6	4	1	10	0	0	0	0	0			1	0	0	0	0	0	0	0	0	0	0		0	0		2	1	0	0	0	0
03R002	EF2	JK	7/25/02	21·02	EF Boat	Target	541		0	0	0	0	0	2	2	6	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
03R014	EF3	JK	7/24/02	23·00	EF Boat	Target	212		0	0	1	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
03R002	EF3	JK	7/25/02	21 35	EF Boat	Target	957		0	0	0	0	3	0	2	15	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		1	1	0	0	0	0
03R002	EF4	JK	7/25/02	22 45	EF Boat	Target	788		0	0	0	0	0	1	0	0	0	0			1	0	0	0	0	0	0	0	0	0	0		3	0		0	0	0	0	0	0
03R009	CT1	JK	7/26/02	20·00	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	3		0	0		0	0	0	0	0	0
03R003	EF1	JK	7/26/02	20 45	EF Boat	Target	332		0	0	0	0	0	2	0	1	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
03R005	EF2	JK	7/26/02	21 05	EF Boat	Full Count and Meas	515		3	0	10	1	0	0	0	0	0	0			3	0	0	1	0	0	3	0	0	0	0		0	13		2	6	0	0	0	0
03R034	EF3	JK	7/26/02	22 05	EF Boat	Target	1878		0	0	1	0	1	1	0	16	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
03R003	EF5	JK	7/25/02	23 47	EF Boat	Target	661		1	0	0	0	0	0	0	4	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
03R003	EF6	JK	7/26/02	0·20	EF Boat	Target	924		2	0	0	0	0	1	0	0	0	1			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
03R009	CT2	JK	7/26/02	23.55	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	2		0	0		0	0	0	0	0	0
03R005	EF4	JK	7/27/02	0·09	EF Boat	Target	881		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
03R004	EF5	JK	7/27/02	0·35	EF Boat	Target	803		0	0	0	0	0	1	1	8	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
FZ0306	EF1	JK	7/29/02	8 50	EF Boat	Target	452		0	0	0	3	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
03R004	EF2	JK	7/29/02	9·05	EF Boat	Full Count and Meas	544		5	0	4	1	2	0	0	7	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	3	0	0	0	0
03R004	EF3	JK	7/29/02	9 30	EF Boat	Target	420		0	0	0	0	0	0	0	3	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
04R003	EF4	JK	7/29/02	10·15	EF Boat	Target	1118		0	5	0	1	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
04R003	EF5	JK	7/29/02	10·45	EF Boat	Target	1183		0	2	0	1	0	0	2	10	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	1	0	0	0	0
FZ0306	EF6	JK	7/29/02	11 44	EF Boat	Target	1248		0	0	0	3	0	1	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
03R005	EF7	JK	7/29/02	12 17	EF Boat	Full Count and Meas	522		0	0	1	0	3	0	2	6	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		1	8	0	0	0	0
03R005	EF8	JK	7/29/02	12 45	EF Boat	Target	478		0	0	0	0	0	0	1	6	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
03R003	CT1	JK	7/30/02	7 30	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	9		0	0		0	0	0	0	0	0
03R005	CT2	JK	7/30/02	7 45	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	3		0	0		0	0	0	0	0	0
04R001	EF1	JK	7/30/02	9 17	EF Boat	Full Count and Meas	560		3	0	2	0	5	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
04R001	EF2	JK	7/30/02	9 46	EF Boat	Target	723		0	0	0	2	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
04R002	EF3	JK	7/30/02	10 16	EF Boat	Target	826		2	0	1	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
04R002	EF4	JK	7/30/02	10 33	EF Boat	Target	474		0	0	0	0	0	0	1	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
03R005	EF5	JK	7/30/02	11 34	EF Boat	Target	1406		0	0	2	3	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	2	0	0	0	0
04R004	EF6	JK	7/30/02	12 39	EF Boat	Target	1336		1	2	1	2	1	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
04R004	EF7	JK	7/30/02	13·06	EF Boat	Target	1008		0	1	1	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
03R008	CT1	JK	7/31/02	8·08	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	2		0	0		0	0	0	0	0	0
03R005	CT2	JK	7/31/02	8 25	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1		0	0		0	0	0	0	0	0
05R001	EF1	JK	7/31/02	9·25	EF Boat	Target	1212		0	4	0	0	0	0	5	21	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
03R001	EF2	JK	7/31/02	9 48	EF Boat	Full Count and Meas	523		0	0	0	1	4	0	0	3	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
FZ0306	EF3	JK	7/31/02	10·56	EF Boat	Target	2090		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
05R002	EF4	JK	7/31/02	12 11	EF Boat	Target	1165		0	3	2	2	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
05R002	EF5	JK	7/31/02	12 59	EF Boat	Full Count and Meas	534		0	0	19	1	2	1	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	1		2	2	0	0	0	0
03R008	CT1	JK	8/1/02	9 39	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
03R005	CT2	JK	8/1/02	9 49	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
FZ0306	EF1	JK	8/1/02	9 44	EF Boat	Target	1640		1	1	2	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
FZ0306	EF2	JK	8/1/02	10 38	EF Boat	Target	1435		6	5	1	3	0	0	0	0	0	0			1	2	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
FZ0306	EF3	JK	8/1/02	11 21	EF Boat	Target	1089		0	0	0	1	3	0	0	0	0	0			0	9	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
FZ0306	EF4	JK	8/1/02	12·03	EF Boat	Target	1263		0	0	4	2	1	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
FZ0306	EF5	JK	8/1/02	13·07	EF Boat	Target	1074		0	0	2	2	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
FZ0306	EF6	JK	8/1/02	13 40	EF Boat	Target	1018		0	0	1	1	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
06R002	CT1	JK	8/6/02	18 53	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	2		0	0		0	0	0	0	0	0
06R004	CT2	JK	8/6/02	19 07	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	18		0	0		0	0	0	0	0	0
05R003	CT3	JK	8/6/02	19 37	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	2		0	0		0	0	0	0	0	0
06R001	CT4	JK	8/6/02	19 44	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	2		0	0		0	0	0	0	0	0
FZ0306	EF1	JK	8/6/02	9 26	EF Boat	Target	1215		0	0	0	0	2	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
FZ0306	EF2	JK	8/6/02	21 45	EF Boat	Target	1432		0	0	0	0	1	2	0	0	0	0			1	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
05R006	EF3	JK	8/6/02	23 11	EF Boat	Target	1132		4	4	0	0	0	1	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
06R002	CT1	JK	8/7/02	19 15	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	4		0	0		0	0	0	0	0	0
05R001	CT2	JK	8/7/02	8 35	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
05R003	CT3	JK	8/7/02	8 45	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
05R003	CT5	JK	8/7/02	0·54	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	3		0	0		0	0	0	0	0	0
06R001	CT6	JK	8/7/02	1·05	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1		0	0		0	0	0	0	0	0
06R002	CT7	JK	8/7/02	1 17	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	2		0	0		0	0	0	0	0	0
FZ0609	EF1	JK	8/7/02	21 12	EF Boat	Target	984		0	2	1	3	0	0	0	0	0	2			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
FZ0609	EF2	JK	8/7/02	21 54	EF Boat	Target	1741		1	2	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
06R001	EF3	JK	8/7/02	22.32	EF Boat	Full Count and Meas	504		4	1	5	0	1	0	0	1	0	0			0	0	0	0	0	0	0	0	0	0	0		0	2		0	1	0	0	0	0
05R006	EF4	JK	8/7/02	0 41	EF Boat	Target	2841		0	0	0	0	3	1	0	0	0	0			1	2	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
FZ0609	EF4	JK	8/7/02	23 54	EF Boat	Target	1912		0	6	0	0	1	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
05R003	CT1	JK	8/8/02	17 31	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1		0	0		0	0	0	0	0	0
06R001	CT2	JK	8/8/02	17 36	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0
03R005	CT3	JK	8/8/02	22 16	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1		0	0		0	0	0	0	0	0
03R005	CT4	JK	8/8/02	0·38	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	7		0	0		0	0	0	0	0	0
03R004	CT4	JK	8/8/02	22 27	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1		0	0		0	0	0	0	0	0
06R001	CT5	JK	8/8/02	1 51	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0		0	0		0	0	0	0	0	0

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Juv Sp	Chk Juv Fl	Chk Juv Fl	Chk2 Cutthroat	Other Fish	Comment	Max PDOP	Corr type	GPS Date	GPS Time	Std dev	Horz prec	Point id	X	Y
	15	0				5 8	Differential	6/25/2002	11 18:08pm	3 953722	2 825	1	7615536 48387	725210 67420
	6	0				4 5	Differential	6/25/2002	11.28 42pm	9 444328	3 457	2	7615553 07728	725257 35428
	27	2				3 4	Differential	6/26/2002	10:57:03pm	14 987615	2.151	1	7614989.29531	721038 11411
	15	5				3 0	Differential	6/26/2002	11 12:00pm	17 174160	2 172	2	7614987 09104	721010 08586
	6	1				5 0	Differential	6/26/2002	11 47 43pm	2 568622	3 618	3	7615569.26429	725289 47008
	7	0				3 1	Differential	6/26/2002	11 58:06pm	1 723090	2 937	4	7615615.31845	725393.21293
	18	1				2 0	Differential	6/26/2002	12:01 45am	0 562192	2 532	4	7614948 17258	721030 05946
	67	2				3 3	Differential	6/26/2002	12 16 45am	1 025287	4 733	5	7614953 05737	721106 60828
	21	8				4 6	Differential	6/26/2002	12 43 54am	6 890410	3 868	6	7617169.28067	718888 11809
	14	3				4 2	Differential	6/26/2002	12 56:06am	5 778068	3 697	7	7617225 50678	718765 94215
	43	2				4 1	Differential	6/26/2002	01 19.31am	11 751378	3.505	8	7616916 43167	721967 63685
	34	1				3 1	Differential	6/26/2002	01.32.37am	15 725704	2 938	9	7616947.53269	722121 79115
	25	3				3 1	Differential	6/26/2002	01 45 13am	16 137256	2 944	10	7616954 67395	722147.83242
	21	2				3 1	Differential	6/26/2002	02:01 29am	10.595187	3 176	11	7616986 97703	722246.72277
	26	13				5 7	Differential	6/26/2002	02.21 58am	14 306261	3 708	12	7616606.90366	715741 07895
	16	12				3 7	Differential	6/26/2002	02 55.52am	13 339266	2 747	13	7617660 75720	713317 02938
	0	12			Reference	0 0	Selected off photo	NA	NA				7657825.2295	622069 82962
	5	4				3 7	Differential	6/27/2002	12:07.32am	12 316271	3 107	5	7615459 63421	724896 48827
	12	1			STL FUNGUS	3 1	Differential	6/27/2002	12 23:06am	10.205612	3 577	6	7615442.80967	724855 77128
	38	6				5 4	Differential	6/27/2002	12 41 51am	1 939649	2 593	7	7616916.02559	721964 56747
	5	5				2.2	Differential	6/27/2002	01:05 57am	14 459789	2.563	8	7614966.48722	721045 72850
	9	3				3 3	Differential	6/27/2002	01 31:09am	15 981937	2 738	9	7615455 90472	724889 95899
	3	2				2 8	Differential	6/27/2002	01 48:00am	15 807958	3 254	10	7615465 75206	724909.54841
	15	4				2 9	Differential	6/27/2002	02:00:44am	10.228494	3.335	11	7615417 96317	724686 62849
								NA	NA				7617106.27	723240 03
0	21		0	2 YPER >1000 STKL		3 0	Differential	7/22/2002	11 59 27pm	35 00	4 00	2	7617106.27	723240 03
0	0		0	1 YPER 1 CHSL 1 GOLD 1 STKL		99 0	None	7/23/2002	08.25:00pm	99 00	99 00	1	7616940 93	719915 84
0	5		0	1 WARMOUTH		6 0	Differential	7/23/2002	01 14 54am	86 00	2 00	3	7617018 7	719497 42
1	5		0	1 ADL STL 1 ADL CHK OBS		99 0	None	7/23/2002	09 15:00pm	99 00	99 00	2	7614700.23	719641.28
0	3		0			99 0	None	7/23/2002	10:30:00pm	99 00	99 00	3	7616905 94	719977 88
0	0		0			99 0	None	7/23/2002	11 30:00pm	99 00	99 00	4	7615020.87	720681 37
0	1		0	1 STAR 1 YPER 1 CHSL		5 9	Differential	7/24/2002	10:31:08pm	61 94	4 24	1	7615230 202	718841 132
0	2		0		ELE PROB	2 7	Differential	7/24/2002	11 11:05pm	37 82	2 36	2	7614686 874	719543.2814
0	0		0			99 0	None	7/24/2002	12 55:00am	99 00	99 00	5	7615041.36	720831 63
0	0		0			3 1	Differential	7/25/2002	09 55 56pm	8 64	3 44	1	7615555 498	718178.2516
0	0		0	1 YBUL		6 8	Differential	7/25/2002	10:02 42pm	52 03	3 08	2	7615640 41	718077 7051
0	0		0		ELE PROP - SHUT DOWN	6 1	Differential	7/25/2002	12 11 54am	28 43	3 34	3	7615066 415	720652 8343
0	0		0			6 0	Differential	7/25/2002	10:40 28pm	26 88	6 00	3	7615957 628	717336.3443
0	0		0			6 6	Differential	7/25/2002	11 46 10pm	85 07	3 09	4	7614955 103	719254 9048
0	0		0			5 2	Differential	7/26/2002	08 59.36pm	20 99	2 89		7615639 062	718115 0597
0	0		0			2 8	Differential	7/26/2002	09 51 36pm	10 89	2 45	2	7617880 604	717402 035
0	0		0	4 SHAD 5 GOLD 4 YP 3 KILL		5 8	Differential	7/26/2002	10:05:02pm	25 71	2 64	1	7619905 069	717100 9584
0	0		0		BETWEEN SITES	6 1	Differential	7/26/2002	11:05 54pm	115.29	2 72	3	7618415 063	717335 1357
0	2		0			5.8	Differential	7/26/2002	12 53 40am	70 55	2 69	1	7617438 561	718251 8714
0	0		0			3 7	Differential	7/26/2002	01 46 39am	0 47	3 83	2	7617415.802	718411.3824
0	0		0			6 6	Differential	7/27/2002	12 51 57am	1 23	2 93		7615647 479	718070 6414
0	0		0		NO FISH	6 0	Differential	7/27/2002	12 09:45am	28 87	3 40		7619930 95	717102 422
0	0		0	1 ADL CHK		6 9	Differential	7/27/2002	01 34:05am	47 43	4.21	1	7618603 77	715487 676
0	0		0			3 6	Differential	7/29/2002	09:29 18am	130 414744	2 55	1	7616637 621	715753 5879
0	0		0		1 SHAD	7	Differential	7/29/2002	09 47 58am	37 600565	2 496	2	7618620 967	715467 3885
0	0		0			6.3	Differential	7/29/2002	10:38 28am	15.309624	6 526	3	7618576 296	715593 9041
0	0		0		FEW FISH	4	Differential	7/29/2002	11 13:01am	112 648634	3.249	1	7619957 204	714450 9509
0	0		0			4.2	Differential	7/29/2002	11 45 30am	85 763795	2 857	2	7619321 177	714627 6932
0	0		0			4 8	Differential	7/29/2002	12.38 38pm	181 616539	3 16	1	7619028 862	717254 6733
0	0		0			4 7	Differential	7/29/2002	01 18 51pm	91 1665	3 701	2	7619196 935	714632 0358
0	0		0			5 1	Differential	7/29/2002	01 45 12pm	48 604337	4 085	3	7619251 175	714347.2902
0	0		0			2 8	Differential	20020730	08 23 48am	10 209378	2 568	CT1	7617416 80519	718268 85250
0	0		0			4 8	Differential	20020730	08 41 48am	9 173580	2 904	CT2	7619964 10408	717091 12241
0	0		0		FEW FISH	6 7	Differential	20020730	09 56:09am	46 265415	4 818	EF1	7619628 83144	713692 96072
0	2		0	1 SHAD		6 2	Differential	20020730	10:21 39am	49 533570	6 190	EF2	7619615.59890	713772 44027
0	2		0			6 6	Differential	20020730	10:53:01am	121 140185	3.219	EF3	7620209 42874	713204 79747
0	0		0			6 0	Differential	20020730	11 17 47am	30 496524	2 674	EF4	7620465 68219	713241 74394
0	0		0			6 0	Differential	20020730	11 46 35am	110 843008	2 792	EF5	7618990 04894	717296 64409
0	1		0			6 9	Differential	20020730	12 55 46pm	108 603124	2 647	EF6	7618349 59440	712009 14789
0	0		0			5 3	Differential	20020730	01 38 59pm	48.390918	4 164	EF7	7618603 00385	711644.51931
0	0		0			3 0	Differential	20020731	9:06 44 AM	0.251646	3 451	CT1	7616947 64370	719970 24876
0	0		0			4 5	Differential	20020731	9 19:08am	6 661173	3 921	CT2	7619979 19613	717161.36219
0	1		0			6 8	Differential	20020731	09:51 52am	129 428682	4 948	EF1	7621008 89483	710458 71524
0	0		0	1 SHAD		6 2	Differential	20020731	10:29 40am	36 492179	6 812	EF2	7621051 76483	710356 12262
0	0		0			7 0	Differential	20020731	10:59:11am	199 465668	2 703	EF3	7621249 73623	708062 25291
0	0		0	1 KILLI 2 STAR		6 3	Differential	20020731	12.34 18pm	97 070214	2 991	EF4	7622530 76625	708292 63907
0	0		0	1 YPER		4 7	Differential	20020731	01 20:35pm	30.285451	4.324	EF5	7622231 67992	708579 35610
0	0		0			3 1	Differential	20020801	09 39 33am	1 579048	3 768	CT1	7616898 61073	720084 88837
0	0		0			3 4	Differential	20020801	09 49:43am	5.296465	4 475	CT2	7619974 02804	717056.32276
0	0		0			6 4	Differential	20020801	10:20:17am	196 629067	3 475	EF1	7619125 63317	717252 66003
0	0		0	1 ADL CHK		6 5	Differential	20020801	10:54 29am	144 663483	2 607	EF2	7614812 35224	719523 77214
0	0		0		MANY PRED	4 1	Differential	20020801	11 48 11am	62 600189	2 863	EF3	7614903 07941	720378.35419
0	0		0			6.3	Differential	20020801	12.35 14pm	150 168951	2 787	EF4	7615425 31817	718699 31980
0	0		0			6 6	Differential	20020801	01 30 45pm	158 289173	3 765	EF5	7623025 17146	707825 41712
0	0		0			7 0	Differential	20020801	02 11.31pm	72 842792	3 897	EF6	7622036 14439	706973 13529
0	0		0			5 0	Differential	20020806	07 41 46pm	6 569979	2 979	2	7627344.51624	705390 55732
0	0		0			3 6	Differential	20020806	07 57 26pm	4 757010	3 847	3	7626266 97562	704142 92821
0	0		0			2 9	Differential	20020806	08 30:37pm	2 443695	2.326	4	7622362 96529	708475 91571
0	0		0			3 0	Differential	20020806	08 43 16pm	3.354658	2 416	5	7622501 73104	706314 65824
0	0		0			6 8	Differential	20020806	09 26 51pm	100.552991	3 182	6	7619023 41507	717301 15968
0	0		0			2 2	Differential	20020806	10 25 33pm	118 012850	2 437	7	7616714 96444	715642 94505
0	0		0			4 7	Differential	20020806	11 35 11pm	45 441038	3.383	8	7620536 66068	711286 26629
0	0		0			2 9	Differential	20020807	08 19 47pm	5 076287	2 585	13	7627272 02477	705322.59736
0	0		0			3 0	Differential	20020807	08.35:08pm	1 614968	2 504	14	7622522 65253	706272 29768
0	0		0			2.2	Differential	20020807	08 45 18pm	2 159335	2 393	15	7622361 88788	708447 56698
0	0		0			4 7	Differential	20020807	01 52 57am	1 065651	3.228	10	7622377 28321	708455 89374
0	0		0			3 4	Differential	20020807	02:03 25am	0 428653	3 003	11	7622516.31738	706294 02234
0	0		0			5 2	Differential	20020807	02 13 59am	2.349732	3 113	12	7627279.53170	705339 12993
0	0		0			6 1	Differential	20020807	09:41 23pm	53.372375	4.291	16	7622551 26666	706366.36215
0	0		0			257 0	Differential	20020807	10 25.35pm	103 179382	2 759	17	7627285 58432	705319.87583
0	0		0		8 YPERCH	4 8	Differential	20020807	11:02 59pm	54 350433	3 257	18	7622493 54130	706370 01867
0	0		0			2.3	Differential	20020807	12 14:07am	1 348623	2.596	9	7620919 29853	710564 84019
0	0		0			4 8	Differential	20020807	11 45 06pm	151 722327	2 871	19	7624340 40341	706800.39354
0	0		0			5 7	Differential	20020808	05 31 01pm	1.368511	6 513	1	7622352 41792	708452 87645
0	0		0			5 7	Differential	20020808	05 36 43pm	24 455694	3 446	2	7622484.30007	706399 30380
0	0		0	1 YBULL		2 5	Differential	20020808	11:09 43pm	18 008198	3 065	7	7619960 11706	717109 51718
0	0		0			3 7	Differential	20020808	01 35:01am	3 322963	2 992	20	7619983 72676	717093 15865
0	0		0			3 1	Differential	20020808	11 22 59pm	6 177271	3 620	8	7618554.91653	715589 14769
0	0		0			5.3	Differential	20020808	01 51.30am	7 444780	2 856	21	7622598 27271	706328.37074

Table C-2 Fish Catch Coordinates

Area ID	Day key	Collector	EF date	EF time	Method	Objective	Seconds	Morts	Largescale	Largescal2	Carp rel	Carp kept	Smallmouth	Smallmout2	Sculpin re	Sculpin ke	B Bullhea	B bullhe2
05R003	CT5	JK	8/8/02	22:42	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
06R002	CT6	JK	8/8/02	1:03	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
06R001	CT6	JK	8/8/02	23:45	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
03R014	EF1	JK	8/8/02	17:37	EF Boat	Target	337		0	0	0	0	3	1	0	0	0	0
05R006	EF2	JK	8/8/02	19:00	EF Boat	Target	1662		0	0	0	0	2	0	0	0	0	0
FZ0609	EF3	JK	8/8/02	20:48	EF Boat	Target	3113		0	8	3	2	1	1	0	0	0	0
FZ0609	EF4	JK	8/8/02	21:42	EF Boat	Target	1561		0	4	0	0	5	2	1	0	0	0
05R003	CT1	JK	8/9/02	13:50	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
03R005	CT2	JK	8/9/02	14:21	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
03R004	CT3	JK	8/9/02	17:45	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
06R001	CT4	JK	8/9/02	13:59	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
03R005	CT5	JK	8/9/02	17:45	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
03R004	CT6	JK	8/9/02	16:58	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
06R001	CT7	JK	8/9/02	18:09	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
05R003	CT7	JK	8/9/02	18:05	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
06R002	EF1	JK	8/9/02	11:45	EF Boat	Full Count and Meas	501		0	3	2	1	7	0	1	1	0	0
06R002	EF2	JK	8/9/02	12.34	EF Boat	Target	1321		0	0	0	0	2	0	2	6	0	0
07R002	EF3	JK	8/9/02	14:43	EF Boat	Full Count and Meas	526		0	2	6	2	22	2	0	0	0	0
07R002	EF4	JK	8/9/02	15:25	EF Boat	Target	1479		0	8	0	1	0	0	0	3	0	0
FZ0609	EF5	JK	8/9/02	16:20	EF Boat	Target	1463		0	0	3	3	2	0	0	0	0	0
07R001	EF1	JK	8/12/02	9:40	EF Boat	Full Count and Meas	502		0	0	0	0	5	0	0	0	0	0
07R009	EF2	JK	8/12/02	9:23	EF Boat	Target	1308		0	3	0	0	0	0	0	0	0	0
07R002	EF3	JK	8/12/02	10:03	EF Boat	Target	780		3	2	1	1	2	0	0	2	0	0
08R010	EF4	JK	8/12/02	11:15	EF Boat	Target	2215		0	0	1	9	0	3	0	0	0	0
07R003	EF5	JK	8/12/02	12:12	EF Boat	Full Count and Meas	525		0	0	2	1	20	1	4	1	0	0
07R003	EF6	JK	8/12/02	12.36	EF Boat	Target	440		0	2	0	0	0	1	0	1	0	0
08R010	EF7	JK	8/12/02	13:30	EF Boat	Target	1460		0	1	3	0	3	2	0	0	0	0
07R004	CT1	JK	8/13/02	7:27	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
07R005	CT2	JK	8/13/02	8:32	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
08R002	CT3	JK	8/13/02	8:41	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
08R001	CT4	JK	8/13/02	9:00	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
08R003	CT5	JK	8/13/02	9:09	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
08R003	EF1	JK	8/13/02	9.27	EF Boat	Target	2066		0	3	1	2	1	2	2	9	0	0
08R003	EF2	JK	8/13/02	9:51	EF Boat	Full Count and Meas	504		0	0	0	0	6	0	0	2	0	0
08R010	EF3	JK	8/13/02	11:18	EF Boat	Target	2832		1	3	3	5	0	0	1	6	0	0
09R001	EF4	JK	8/13/02	12:15	EF Boat	Target	1950		0	0	4	3	1	1	0	3	0	0
08R003	EF5	JK	8/13/02	12:42	EF Boat	Target	398		0	0	0	0	0	0	0	6	0	0
09R001	EF6	JK	8/13/02	13:13	EF Boat	Target	829		0	0	0	0	0	0	0	4	0	1
07R004	CT1	JK	8/14/02	8:23	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
07R004	CT10	JK	8/14/02	13:38	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
07R005	CT2	JK	8/14/02	8:34	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
08R002	CT3	JK	8/14/02	7:46	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
08R001	CT4	JK	8/14/02	7:55	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
08R003	CT5	JK	8/14/02	9:01	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
08R001	CT6	JK	8/14/02	14:08	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
08R002	CT7	JK	8/14/02	14:13	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
07R005	CT8	JK	8/14/02	14:18	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
08R003	CT9	JK	8/14/02	13:28	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
09R001	EF1	JK	8/14/02	9:44	EF Boat	Full Count and Meas	501		0	0	3	0	3	0	0	0	0	0
08R002	EF2	JK	8/14/02	10:12	EF Boat	Target	1544		0	0	0	0	0	0	0	10	0	0
08R002	EF3	JK	8/14/02	11:15	EF Boat	Full Count and Meas	515		3	0	3	0	4	0	0	0	0	0
08R002	EF4	JK	8/14/02	11:06	EF Boat	Target	724		0	0	0	0	0	0	1	4	0	0
08R001	EF5	JK	8/14/02	11.51	EF Boat	Target	1143		0	5	0	0	1	1	0	11	0	0
08R001	EF6	JK	8/14/02	12:55	EF Boat	Full Count and Meas	503		0	0	0	4	0	0	0	0	0	0
08R001	EF7	JK	8/14/02	13:03	EF Boat	Target	1375		0	3	0	0	6	1	1	2	0	0
08R003	CT1	JK	8/15/02	16:34	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
07R004	CT2	JK	8/15/02	7:55	Crayfish Trap	Target			0	0	0	0	0	0	0	1	0	0
07R005	CT3	JK	8/15/02	9:04	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
08R002	CT4	JK	8/15/02	8:19	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
08R001	CT5	JK	8/15/02	9:23	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
09R002	EF1	JK	8/15/02	9:35	EF Boat	Target	902		0	10	0	0	1	1	1	13	0	0
09R002	EF2	JK	8/15/02	10:01	EF Boat	Full Count and Meas	505		0	0	0	0	18	0	0	2	0	0
09R002	EF3	JK	8/15/02	10:40	EF Boat	Target	528		0	0	0	0	0	0	1	8	0	0
09R006	EF4	JK	8/15/02	11:45	EF Boat	Target	2021		0	0	0	0	0	1	0	0	0	0
08R001	EF5	JK	8/15/02	12:53	EF Boat	Target	1268		0	0	0	0	3	1	1	11	0	0
07R004	CT1	JK	8/16/02	8:40	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
07R005	CT2	JK	8/16/02	8:49	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
08R002	CT3	JK	8/16/02	8:56	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
08R001	CT4	JK	8/16/02	9:02	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
08R003	CT5	JK	8/16/02	9:41	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
09R001	EF1	JK	8/16/02	9:31	EF Boat	Target	1454		0	0	0	0	0	1	0	3	0	0
07R003	EF2	JK	8/16/02	10:33	EF Boat	Target	712		0	0	0	0	0	1	0	4	0	0
07R001	EF3	JK	8/16/02	11:06	EF Boat	Target	978		0	0	0	0	0	0	0	2	0	0
07R002	EF4	JK	8/16/02	12:06	EF Boat	Target	1608		0	0	0	0	0	0	2	8	0	0
06R002	EF5	JK	8/16/02	12.58	EF Boat	Target	1248		0	0	0	0	1	0	1	16	0	0
07R009	EF6	JK	8/16/02	13:58	EF Boat	Target	1361		0	0	0	0	1	1	0	0	0	0
FZ0609	EF1	JK	8/26/02	9:36	EF Boat	Target	1357		0	0	0	4	0	0	0	0	0	0
FZ0609	EF2	JK	8/26/02	10:09	EF Boat	Target	767		0	0	0	2	0	0	0	0	0	0
FZ0609	EF3	JK	8/26/02	11:03	EF Boat	Target	771		0	0	0	1	0	0	0	0	0	0
06R001	EF4	JK	8/26/02	11:30	EF Boat	Target	318		0	0	0	1	0	0	0	1	0	0
06R001	EF5	JK	8/26/02	11:57	EF Boat	Target	806		0	0	0	2	1	0	0	7	0	0
06R001	EF6	JK	8/26/02	12:46	EF Boat	Target	1146		0	0	1	1	0	0	0	2	0	0
09R001	CT1	JK	8/27/02	7:30	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
08R003	CT2	JK	8/27/02	7:48	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
07R004	CT3	JK	8/27/02	7:59	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
06R001	CT4	JK	8/27/02	8:12	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
05R020	EF1	JK	8/27/02	10:07	EF Boat	Target	1890		0	0	1	0	0	1	2	15	0	0
FZ0306	EF2	JK	8/27/02	11:31	EF Boat	Target	576		0	0	0	2	0	0	0	0	0	0
05R020	EF3	JK	8/27/02	11:32	EF Boat	Target	910		0	0	0	0	2	0	5	6	0	0
04R004	EF4	JK	8/27/02	12:36	EF Boat	Target	1506		0	0	0	0	0	0	1	3	0	0
FZ0306	AG1	JK	8/28/02	10:24	Angling	Target			0	0	0	0	0	0	0	0	0	0
FZ0306	AG2	JK	8/28/02	10:49	Angling	Target			0	0	0	0	0	0	0	0	0	0
FZ0306	AG3	IS	8/28/02	11:11	Angling	Target		N	0	0	0	0	0	0	0	0	0	0
FZ0306	AG4	IS	8/28/02	11:27	Angling	Target		N	0	0	0	0	0	0	0	0	0	0
06R001	CT1	JK	8/28/02	17.32	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
07R004	CT2	JK	8/28/02	17:49	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
08R003	CT3	JK	8/28/02	17:59	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
09R001	CT4	JK	8/28/02	18:14	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
07R002	EF1	JK	8/28/02	19:04	EF Boat	Target	1438		0	0	1	2	0	1	0	5	0	0
07R003	EF3	JK	8/28/02	20:01	EF Backpack	Target	1305		0	0	0	0	0	0	0	2	0	0
08R003	CT1	JK	8/29/02	10:39	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
07R004	CT2	JK	8/29/02	10:53	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
06R001	CT3	JK	8/29/02	11:06	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0
09R001	CT4	JK	8/29/02	11.27	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0

Area ID	Day key	Y Bullhea	Y Bullhe2	Pikeminnow	Pikeminno2	B crappie	B crappi2	Walleye re	Walleye ke	Peamouth r	Peamouth k	Lamprey re	Lamprey ke	Crayfish r	Crayfish k	Y Perch r	W crappie	Bluegill r	Peamouth 2	Pumpkinsee	Largemouth	Sticklebac	Sturgeon r	Juv Cobo r	Juv Steelh
05R003	CT5			0	0	0	0	0	0	0	0	0	0		3		0	0		0	0	0	0	0	0
06R002	CT6			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
06R001	CT6			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R014	EF1			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
05R006	EF2			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0609	EF3			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0609	EF4			0	1	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
05R003	CT1			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
03R005	CT2			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R004	CT3			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
06R001	CT4			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
03R005	CT5			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R004	CT6			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
06R001	CT7			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
05R003	CT7			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
06R002	EF1			0	0	0	0	0	0	0	0	0	0		0		0	0		0	3	0	0	0	0
06R002	EF2			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R002	EF3			0	0	0	0	0	0	0	0	0	0		0		0	0		0	2	0	0	0	0
07R002	EF4			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0609	EF5			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R001	EF1			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R009	EF2			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R002	EF3			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R010	EF4			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R003	EF5			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R003	EF6			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R010	EF7			0	1	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R004	CT1			0	0	0	0	0	0	0	0	0	0		4		0	0		0	0	0	0	0	0
07R005	CT2			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R002	CT3			0	0	0	0	0	0	0	0	0	0		2		0	0		0	0	0	0	0	0
08R001	CT4			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R003	CT5			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R003	EF1			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R003	EF2			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R010	EF3			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
09R001	EF4			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R003	EF5			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
09R001	EF6			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R004	CT1			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R004	CT10			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
07R005	CT2			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R002	CT3			0	0	0	0	0	0	0	0	0	0		2		0	0		0	0	0	0	0	0
08R001	CT4			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
08R003	CT5			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R001	CT6			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R002	CT7			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R005	CT8			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R003	CT9			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
09R001	EF1			8	0	0	0	0	0	0	0	0	0		0		0	1		15	30	0	0	0	0
08R002	EF2			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R002	EF3			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R002	EF4			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R001	EF5			0	0	0	0	0	0	0	0	0	0		0		0	0		2	0	0	0	0	0
08R001	EF6			0	0	0	0	0	0	0	0	0	0		0		0	0		0	1	0	0	0	0
08R001	EF7			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R003	CT1			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
07R004	CT2			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
07R005	CT3			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R002	CT4			0	0	0	0	0	0	0	0	0	0		2		0	0		0	0	0	0	0	0
08R001	CT5			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
09R002	EF1			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
09R002	EF2			0	0	0	0	0	0	0	0	0	0		0		0	0		1	0	0	0	0	0
09R002	EF3			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
09R006	EF4			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R001	EF5			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R004	CT1			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R005	CT2			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R002	CT3			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R001	CT4			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R003	CT5			0	0	0	0	0	0	0	0	0	0		5		0	0		0	0	0	0	0	0
09R001	EF1			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R003	EF2			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R001	EF3			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R002	EF4			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
06R002	EF5			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R009	EF6			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0609	EF1			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0609	EF2			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0609	EF3			0	1	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
06R001	EF4			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
06R001	EF5			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
06R001	EF6			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
09R001	CT1			0	0	0	0	0	0	0	0	0	0		5		0	0		0	0	0	0	0	0
08R003	CT2			0	0	0	0	0	0	0	0	0	0		2		0	0		0	0	0	0	0	0
07R004	CT3			0	0	0	0	0	0	0	0	0	0		3		0	0		0	0	0	0	0	0
06R001	CT4			0	0	0	0	0	0	0	0	0	0		3		0	0		0	0	0	0	0	0
05R020	EF1			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0306	EF2			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
05R020	EF3			0	1	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
04R004	EF4			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0306	AG1			0	0	0	2	0	0	0	0	0	0		0		3	0		0	0	0	0	0	0
FZ0306	AG2			0	0	0	1	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0306	AG3			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0306	AG4			0	0	0	1	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
06R001	CT1			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R004	CT2			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
08R003	CT3			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
09R001	CT4			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R002	EF1			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R003	EF3			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R003	CT1			0	0	0	0	0	0	0	0	0	0		3		0	0		0	0	0	0	0	0
07R004	CT2			0	0	0	0	0	0	0	0	0	0		2		0	0		0	0	0	0	0	0
06R001	CT3			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
09R001	CT4			0	0	0	0	0	0	0	0	0	0		2		0	0		0	0	0	0	0	0

DRAFT DOCUMENT DO NOT QUOTE OR CITE

Juv Sp Chk	Juv Fl Chk	Juv Fl Chk2	Cutthroat	Other Fish	Comment	Max PDOP	Corr type	GPS Date	GPS Time	Std dev	Horz prec	Point id	X	Y
0	0		0			2 8	Differential	20020808	11 41 19pm	0 524623	3 197	9	7622307 04943	708451.36173
0	0		0			3 5	Differential	20020808	02:01 45am	3.343195	3 009	22	7627247.33330	705289.56481
0	0		0			4 2	Differential	20020808	11 45 40pm	17 295148	3 022	10	7622630 16352	706249 62370
0	0		0			4 9	Differential	20020808	06 27.21pm	29 024258	3 788	3	7614987 79383	720425.34309
0	0		0			6.3	Differential	20020808	07:00:13pm	336.290112	2 868	4	7620889 57115	710656.95106
0	0		0			4 0	Differential	20020808	08 50:27pm	24 823139	2.714	5	7627415 95185	705613 42373
0	0		0			4 8	Differential	20020808	09:55 46pm	219.278072	2 423	6	7625250.27254	704874 99758
0	0		0			5 8	Differential	20020809	01 50 13pm	9 897583	3 452	13	7622333 74430	708438 02138
0	0		0			5 9	Differential	20020809	02.31.32pm	16 572783	3 907	14	7619974 95482	717138 07862
0	0		0			4 1	Differential	20020809	02 41:09pm	12.621930	4.312	15	7618532.71982	715629 72429
0	0		0			3 5	Differential	20020809	02.53:03pm	21 189824	4 410	16	7622642 74101	706240 95934
0	0		0			5 7	Differential	20020809	05 45 28pm	8 002443	3.313	20	7619972 81694	717169 04777
0	0		0			4.3	Differential	20020809	05 56 54pm	11 902578	3 541	21	7618546.33335	715619.21987
0	0		0			4 7	Differential	20020809	06:09 42pm	11 744207	4 108	23	7622616 60166	706207 43821
0	0		0			4 7	Differential	20020809	06:05.28pm	4 071570	4 181	22	7622358.12941	708480 70344
0	0		0		1 KILLI	4 7	Differential	20020809	12.25.27pm	24 431946	2 653	11	7627295 57451	705745.22420
0	0		0			5 7	Differential	20020809	12.50 20pm	117 756724	3 894	12	7626798 14070	705827.24808
0	0		0	1 KILLI		7 0	Differential	20020809	03 18 27pm	48 291253	5 580	17	7628847 78568	704020.50522
0	0		0			4 6	Differential	20020809	03 49 28pm	159 652445	2 738	18	7628449 81915	704118.39797
0	0		0			4.5	Differential	20020809	04 42 56pm	92 782088	3.539	19	7627809 87747	702544.29979
0	0		0	2 SHAD		6.2	Differential	20020812	09:40:57am	28 191272	2 983	1	7627206.394	703093 4495
0	0		0			3 6	Differential	20020812	10:22 34am	1 162549	3 11	2	7627379.528	702830 1867
0	0		0			3 3	Differential	20020812	10:33.39am	95 29703	2 642	3	7628845 404	703862 181
0	0		0			6 9	Differential	20020812	11 17.29am	368 236011	3 171	4	7633848 092	701440.5507
0	0		0	2 SHAD 6 KILLI		5.2	Differential	20020812	12 41 22pm	59 048123	4 112	5	7628536 827	701677 1192
0	0		0			5 2	Differential	20020812	01.24 02pm	24 817652	3 772	6	7628582 465	700643.3169
0	0		0			6 8	Differential	20020812	01 46 14pm	242 400149	3.588	7	7631496 096	701694 4871
0	0		0			3 1	Differential	20020813	08 24 12am	2 807167	3 754	1	7628865 631	703842.085
0	0		0			3 1	Differential	20020813	08.32 59am	5 516557	2 376	2	7629600 969	700163.234
0	0		0			2 8	Differential	20020813	08 41 34am	6 702092	2.305	3	7630524 688	699254 4179
0	0		0			3 6	Differential	20020813	09:00:19am	1 796413	2.392	4	7631871 644	697469 1741
0	0		0			3 9	Differential	20020813	09:09:49am	3 452373	2.557	5	7632483.236	700586 2869
0	1		0			7	Differential	20020813	09:31 10am	229 612682	3 566	6	7631210 11	701800 0406
0	0		0			3 8	Differential	20020813	10:41 43am	5 61577	2.826	7	7631582 688	701653 5808
0	0		0	1 STRIPER		5.3	Differential	20020813	10:55 39am	353 485072	3.36	8	7634533 426	701017.3552
0	0		0			5 5	Differential	20020813	12 28 47pm	147 841856	3 961	9	7636507 658	698642 0675
0	0		0	1 YB REL		5 4	Differential	20020813	01 27 57pm	12 816523	3 963	10	7634372 103	701151 9974
0	0		0			6	Differential	20020813	01 44 13pm	70 392099	3 522	11	7636930 448	698764 2078
0	0		0			3 1	Differential	20020814	08 23 46am	8 998765	2 871	1	7628865 043	703878 4388
0	0		0			5 3	Differential	20020814	02 35:03pm	15 401104	4.303	17	7628848 043	703848 2372
0	0		0			3 1	Differential	20020814	08 34 41am	0.391496	3 832	2	7629597 006	700163 2373
0	0		0			3	Differential	20020814	08 42.37am	1.200808	2.336	3	7630503 611	699274 6165
0	0		0			3 7	Differential	20020814	08 51 14am	5 607612	2 518	4	7631842 463	697479 0579
0	0		0			3 8	Differential	20020814	09:01 58am	1 82908	3 386	5	7632448 39	700642 7624
0	0		0			7	Differential	20020814	02 08 07pm	1 868753	3 806	13	7631837 475	697456 0072
0	0		0			5 5	Differential	20020814	02 13 34pm	1 330462	3 888	14	7630562.205	699220 4207
0	0		0			3	Differential	20020814	02 18 18pm	1.285443	4 149	15	7629567 989	700166 8315
0	0		0			6 5	Differential	20020814	02 24 47pm	17 835097	4 406	16	7631933.545	701622 1189
0	0		0	3 KILLI		6 7	Differential	20020814	09:44 18am	70 408104	3.298	6	7636643 415	698649.317
0	2		0			4.2	Differential	20020814	10:32 18am	207 052757	2 914	7	7630424.532	699406 7398
0	1		0	1 KILLI 1 STARRY		4 6	Differential	20020814	11 15.29am	86 544067	3 791	8	7630604.525	699240 2672
0	0		0			4 7	Differential	20020814	11 41.30am	90 20669	2 815	9	7629881 186	700052 0408
0	0		0			6	Differential	20020814	12 16 06pm	85 854007	4 225	10	7631699 882	697626 6586
0	0		0			5 5	Differential	20020814	12 55 14pm	42.278173	3 609	11	7631519.385	697743 4145
0	0		0			6 6	Differential	20020814	01 24 59pm	70 788753	3 622	12	7632493.29	697162 6059
0	0		0			3.3	Differential	20020815	08.34 38am	15 780565	2.314	1	7631843 684	701608 0593
0	0		0			2 1	Differential	20020815	08 48 44am	20 86929	2.261	2	7628827 873	703839 2759
0	0		0			4 1	Differential	20020815	09 04 44am	23.871938	5 578	3	7629648 041	700180 8442
0	0		0			6 6	Differential	20020815	09 12 43am	3.517945	6.195	4	7630568 273	699230 3638
0	0		0			4 5	Differential	20020815	09 23:06am	5 766511	6 505	5	7631857.398	697487 0899
0	0		0			7	Differential	20020815	10 04 47am	60 376996	2 841	6	7637392 036	694059 8707
0	0		0	3 SHAD 1 KILLI		5.3	Differential	20020815	10:36 49am	60 045618	2 923	7	7637373 742	694212.2282
0	0		0			6 5	Differential	20020815	11 29:19am	56 70808	3.317	8	7636761.343	694770 0961
0	0		0			5 1	Differential	20020815	11 46 57am	477 544682	2 799	9	7636289 713	696944 4886
0	0		0			6 1	Differential	20020815	01:06 21pm	142 184398	3 72	10	7632104 655	697395 356
0	0		0			2 9	Differential	20020816	08 40 45am	2 826452	2 315	1	7628916 606	703898 4822
0	0		0			2 8	Differential	20020816	08 49 55am	14 748492	2 476	2	7629656.988	700174 5261
0	0		0			3 9	Differential	20020816	08 56 55am	14 007349	2 544	3	7630594 192	699202 1361
0	0		0			4 1	Differential	20020816	09 02 30am	8 038707	4 653	4	7631814 791	697484 8484
0	0		0			6.5	Differential	20020816	09:10:25am	2 483403	6 136	5	7631780 795	701624 9575
0	0		0			7	Differential	20020816	09 53.32am	189 356267	2 68	6	7636149.559	698995 8979
0	0		0			6 1	Differential	20020816	11:07 43am	66 144304	3 876	8	7628416 88	701838 5891
1	0		0		Chk obs >300mm	5 5	Differential	20020816	11 40:57am	142 412187	2 56	9	7627568 069	702710 1609
0	0		0			6 5	Differential	20020816	12 23 22pm	185 852178	3 818	10	7628016.313	704494 8258
0	0		0	1 KILLI		7	Differential	20020816	01 22 43pm	110 644961	3 581	11	7626905 198	705809 3512
0	0		0			0	From Notes	20020816	01 58 00pm	999	999	999	7629779.586	702837 3695
0	0		0			3 7	Differential	20020826	10:05 11am	125 516993	2 671	1	7636570 194	698963 541
0	0		0			5.3	Differential	20020826	10 50:52am	84 787344	3.351	2	7635657 004	700061 6145
0	0		0			5 1	Differential	20020826	11 53 32am	26 143418	4 313	3	7622831 642	706195 9574
0	0		0			5 4	Differential	20020826	12 15 54pm	34 968171	3 601	4	7622429 529	706467.5346
0	0		0			7	Differential	20020826	12 36 40pm	87 450288	3 699	5	7622456 617	706415.5751
0	0		0			7	Differential	20020826	01 12.55pm	188 635969	4 123	6	7623208 449	706095 5147
0	0		0			5 4	Differential	20020827	08 19 41am	6 799402	5 885	7	7636554.515	698598 6449
0	0		0			6 2	Differential	20020827	08.38 39am	10 74981	7.242	8	7631767 894	701629 237
0	0		0			5 7	Differential	20020827	08 56 39am	4 700188	2 634	9	7628671 712	704299 7601
0	0		0			3 4	Differential	20020827	09 10:46am	10 571533	2 88	10	7623270 947	706073 4356
0	0		0			5 1	Differential	20020827	10:28 37am	117 818248	2 902	11	7621568 932	707688 5029
0	0		0			4.3	Differential	20020827	11 31 25am	28 672189	4 003	13	7622417 133	708364.2325
0	0		0			5 6	Differential	20020827	12:01 47pm	232 580821	3 598	14	7621156 902	708175 2874
0	0		0			999	None	20022082	12.36 00pm	999	999	15	7618222 084	712188 5128
0	0		0			4 1	Differential	20020828	10 24 42pm	1 015286	5.223	7	7619403.335	713559 7266
0	0		0		210 MM	4 6	Differential	20020828	10:49 48pm	2.225494	2 871	8	7619501.531	713540 7571
0	0		0			3 5	Differential	20020828	11 11 11pm	1.344315	3 877	9	7618620.259	714999 0646
0	0		0		190 MM	4 6	Differential	20020828	11 27 37pm	2 208804	5 275	10	7620077 697	714641 7322
0	0		0			3 8	Differential	20020828	05.32 59pm	24.385298	4 212	1	7623337 152	706112.3943
0	0		0			2 9	Differential	20020828	05 49:20pm	6 281948	2 543	2	7628785 789	704152 1875
0	0		0			3 9	Differential	20020828	05 59:01pm	25.387232	3.24	3	7631820 442	701607 7562
0	0		0			5 5	Differential	20020828	06 14.57pm	15.293631	3 071	4	7636615 012	698548 0216
0	0		0			5 9	Differential	20020828	07 19 35pm	72.385707	2 499	5	7627828.504	704554.3924
0	0		0			3.2	Differential	20020828	09:00 30pm	0 535919	2 428	6	7628527 331	701634 5207
0	0		0			4 9	Differential	20020829	11 25:03am	21 136809	4.256	2	7631814 62	701594 7056
0	0		0			5 4	Differential	20020829	11 47.25am	14 14067	3 845	3	7628721 805	704219 2006
0	0		0			5 6	Differential	20020829	11 57 10am	9 149263	3 408	4	7623288 769	706092 4641
0	0		0			5.2	Differential	20020829	12 16 20pm	12 658305	3 474	5	7636631 729	698568 0994

Table C-2 Fish Catch Coordinates

Area ID	Day key	Collector	EF date	EF time	Method	Objective	Seconds	Morts	Largescale	Largescal2	Carp rel	Carp kept	Smallmouth	Smallmout2	Sculpin re	Sculpin ke	B Bullhea	B bullhe2	Y Bullhea	Y Bullhe2	Pikeminnow	Pikeminno2	B crappie	B crappi2	Walleye re	Walleye ke	Peamouth r	Peamouth k	Lamprey re	Lamprey ke	Crayfish r	Crayfish k	Y Perch r	W crappie	Bluegill r	Peamouth 2	Pumpkinsee	Largemouth	Sticklebac	Sturgeon r	Juv Coho r	Juv Steelh
09R001	EF1	JK	8/29/02	14 33	EF Boat	Target	786		0	0	0	0	0	0	0	1	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R002	EF2	JK	8/29/02	15 40	EF Boat	Target	669		0	0	0	0	0	0	0	3	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
09R001	EFB1	JK	8/29/02	12 53	EF Backpack	Target	681		0	0	0	0	0	0	0	2	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
09R001	EFB2	JK	8/29/02	13 49	EF Backpack	Target	910		0	0	0	0	0	0	0	4	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
05R020	EFB3	JK	8/29/02	16 50	EF Backpack	Target	1322		0	0	0	0	0	1	3	12	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
09R001	CT1	JK	8/30/02	7 57	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		99		0	0		0	0	0	0	0	0
08R003	CT2	JK	8/30/02	8 43	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		2		0	0		0	0	0	0	0	0
06R001	CT3	JK	8/30/02	9 52	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
04R004	EF1	JK	8/30/02	11 19	EF Boat	Target	914		0	0	0	0	0	0	0	1	0	0			0	0	0	0	0	0	0	0	0	1		0		0	0		0	0	0	0	0	0
05R006	EF2	JK	8/30/02	12 48	EF Boat	Target	2396		0	0	0	0	4	4	0	0	0	0			0	1	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R010	EF3	JK	8/30/02	13 48	EF Boat	Target	1166		0	0	0	0	0	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
09R001	EFB1	JK	8/30/02	8 27	EF Backpack	Target	1305		0	0	0	0	0	0	1	13	0	0			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
04R002	EFB2	JK	8/30/02	10:32	EF Backpack	Target	803		0	0	0	0	0	0	6	6	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R002	EF1	JK	9/3/02	14·00	EF Boat	Target	452		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R001	EFB1	JK	9/3/02	12 54	EF Backpack	Target	483		0	0	0	0	0	0	2	7	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R002	EFB2	JK	9/3/02	13 39	EF Backpack	Target	360		0	0	0	0	1	0	0	12	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R034	EFB3	JK	9/3/02	14.34	EF Backpack	Target	383		0	0	0	0	0	0	1	13	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R002	EFB4	JK	9/3/02	17.33	EF Backpack	Target	338		0	0	0	0	0	0	0	4	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
02R001	CT1	JK	9/4/02	12 18	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R008	CT2	JK	9/4/02	11 58	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		2		0	0		0	0	0	0	0	0
03R009	CT3	JK	9/4/02	12 18	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
03R005	CT4	JK	9/4/02	13 23	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R005	CT1	JK	9/5/02	9 39	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
02R001	CT2	JK	9/5/02	9 54	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R008	CT3	JK	9/5/02	10 27	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		2		0	0		0	0	0	0	0	0
03R009	CT4	JK	9/5/02	10·40	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		2		0	0		0	0	0	0	0	0
03R005	TL1	JK	9/5/02	9 20	Trot Line	Full Count and Meas			0	0	0	0	1	0	3	0	0	1			1	0	0	0	0	0	0	0	0	0		0		0	0		2	0	0	0	0	0
04R023	EF1	JK	9/9/02	14·06	EF Boat	Target	1625		0	0	0	0	4	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
04R023	EF2	JK	9/9/02	15 17	EF Boat	Target	2252		0	0	0	0	2	0	0	0	0	0			0	0	1	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
02R001	CT1	IS/BC	9/10/02	8 45	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
03R003	CT3	IS/BC	9/10/02	9 15	Crayfish Trap	Target																										5										
03R005	CT4	IS/BC	9/10/02	9 45	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	2	1		0	0		0	0	0	0	0	0
03R004	CT5	IS/BC	9/10/02	10·25	Crayfish Trap	Target															0	0	0	0	0	0	0	0	0	0	2	3										
04R023	EF1	PK	9/10/02	9.34	EF Boat	Target	3114		0	0	0	0	1	1	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
04R023	EF2	PK	9/10/02	10·53	EF Boat	Target	2637		0	0	0	0	1	1	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
04R003	EF3	PK	9/10/02	12 18	EF Boat	Target	2853		0	0	0	0	1	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
04R023	EF4	PK	9/10/02	13·09	EF Boat	Target	1386		0	0	0	0	0	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R003	EFB1	JK	9/10/02	14.38	EF Backpack	Target	399		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	3	6		0	0		0	0	0	0	0	0
FZ0306	TL1	PK	9/11/02	9 20	Trot Line	Target			1	0	1	0	1	0	3	0	0	0			0	0	0	0	0	0	0	0	0	0		0	1	0	0		0	1	0	0	0	0
02R001	CT1	IS/BC	9/11/02	8 30	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		5		0	0		0	0	0	0	0	0
03R008	CT2	IS/BC	9/11/02	10 21	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R004	CT3	IS/BC	9/11/02	10·53	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1	1		0	0		0	0	0	0	0	0
04R003	CT4	IS/BC	9/11/02	11 56	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
04R002	CT5	IS/BC	9/11/02	12.31	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	5	1		0	0		0	0	0	0	0	0
05R006	EF1	JK	9/11/02	10:39	EF Boat	Target	2620		0	0	0	0	0	0	0	0	0	0			0	1	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R003	EF2	JK	9/11/02	14.24	EF Boat	Target	162		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
05R006	EF3	JK	9/11/02	0·02	EF Boat	Target	4285		0	0	0	0	2	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R008	CT1	IS/BC	9/12/02	9 48	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0	2	0	0		1	0	0	0	0	0
03R004	CT2	IS/BC	9/12/02	10·15	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	3	1		0	0		0	0	0	0	0	0
04R003	CT3	IS/BC	9/12/02	10 30	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1	0		0	0		0	0	0	0	0	0
04R002	CT4	IS/BC	9/12/02	10·40	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	5	0		0	0		0	0	0	0	0	0
04R004	CT5	IS/BC	9/12/02	11·00	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1	4		0	0		0	0	0	0	0	0
05R006	EF1	PK	9/12/02	11 16	EF Boat	Target	6722		0	0	0	0	1	1	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R009	EF2	PK	9/12/02	13.35	EF Boat	Target	3229		0	0	0	0	3	2	0	0	0	0			0	1	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R001	EFB1	JK	9/12/02	9 50	EF Backpack	Target	500		0	0	0	0	0	0	0	2	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R002	EFB2	JK	9/12/02	11 43	EF Backpack	Target	804		0	0	0	0	0	0	2	6	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R005	EFB3	JK	9/12/02	13 13	EF Backpack	Target	226		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0306	TL1	JK	9/12/02	9 49	Trot Line	Target			0	0	0	0	1	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
04R002	CT2	IS/BC	9/13/02	9·30	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	1	0		0	0		0	0	0	0	0	0
04R003	CT3	IS/BC	9/13/02	9·45	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R004	CT4	IS/BC	9/13/02	9 55	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R008	CT5	IS/BC	9/13/02	10·05	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		6		0	0		0	0	0	0	0	0
05R006	EF2	JK	9/13/02	10·59	EF Boat	Target	1756		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R009	EF3	JK	9/13/02	13 28	EF Boat	Target	3565		0	0	0	0	0	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R003	TL1	PK	9/13/02	11 12	Trot Line	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
04R004	CT1	IS/BC	9/13/02	8 55	Crayfish Trap	Target		1	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	2	1		0	0		0	0	0	0	0	0
08R002	CT1	IS/BC	9/16/02	9·00	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R001	CT2	IS/BC	9/16/02	9 55	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		2		0	0		0	0	0	0	0	0
06R001	CT3	IS/BC	9/16/02	11 20	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
04R003	CT4	IS/BC	9/16/02	11 45	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	3	7		0	0		0	0	0	0	0	0
03R004	CT5	IS/BC	9/16/02	12 05	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
05R006	EF1	JK	9/16/02	9 37	EF Boat	Target	843		0	0	0	0	2	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
05R006	EF2	JK	9/16/02	11.35	EF Boat	Target	313		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R009	EF3	JK	9/16/02	12 10	EF Boat	Target	4144		0	0	0	0	0	0	0	0	0	0			0	1	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
07R009	EF4	JK	9/16/02	12.32	EF Boat	Target	787		0	0	0	0	0	2	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
05R006	EF5	JK	9/16/02	13 37	EF Boat	Target	1473		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
05R006	EF6	JK	9/16/02	14 10	EF Boat	Target	1547		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R001	EFB1	JK	9/16/02	10·23	EF Backpack	Target	363		0	0	0	0	1	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R001	EFB2	JK	9/16/02	10·20	EF Backpack	Target	1080		0	0	0	0	0	0	9	9	0	0			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
03R003	EFB3	JK	9/16/02	14 22	EF Backpack	Target	720		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R001	EFB4	JK	9/16/02	14 25	EF Backpack	Target	3600		0	0	0	0	0	0	1	1	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0306	TL1	PK	9/16/02	9 30	Trot Line	Target			0	0	0	0	0	0	0	0	5	1			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R004	CT1	IS/BC	9/17/02	11 15	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
04R004	CT2	IS/BC	9/17/02	11.30	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		2		0	0		0	0	0	0	0	0
06R001	CT3	IS/BC	9/17/02	12 25	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
08R002	CT4	IS/BC	9/17/02	12 55	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		2		0	0		0	0	0	0	0	0
08R001	CT5	IS/BC	9/17/02	13 15	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
08R032	EF1	JK	9/17/02	12 49	EF Boat	Target	2259		0	0	0	0	1	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R032	EF2	JK	9/17/02	13 14	EF Boat	Target	776		0	0	0	0	3	3	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R001	EF3	JK	9/17/02	13 28	EF Boat	Target	357		0	0	0	0	3	0	0	1	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R032	EF4	JK	9/17/02	14 10	EF Boat	Target	1832		0	0	0	0	2	1	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R001	EFB1	IS/BC	9/17/02	9 50	EF Backpack	Target	1020		0	0	0	0	0	0	3	3	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R002	EFB2	IS/BC	9/17/02	10·40	EF Backpack	Target	1320		0	0	0	0	0	0	9	9	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R003	EFB3	IS/BC	9/17/02	11·05	EF Backpack	Target	300		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
04R004	EFB4	IS/BC	9/17/02	12·05	EF Backpack	Target	1020		0	0	0	0	0	0	4	4	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
09R002	EFB5	IS/BC	9/17/02	14 10	EF Backpack	Target	600		0	0	0	0	0	0	7	7	0	0			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
03R005	TL1	PK	9/17/02	9 11	Trot Line	Target			0	0	0	0	0	0	0	1	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		2	0	0	0	0	0
FZ0306	TL2	PK	9/17/02	10·30	Trot Line	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0306	TL3	PK	9/17/02	11 46	Trot Line	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
03R004	CT1	IS/BC	9/18/02	9·00	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
04R004	CT2	IS/BC	9/18/02	9 13	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		1		0	0		0	0	0	0	0	0
06R001	CT3	IS/BC	9/18/02	10·00	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R002	CT4	IS/BC	9/18/02	11 10	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		3		0	0		0	0	0	0	0	0
08R001	CT5	IS/BC	9/18/02	15·00	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0

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Juv Sp Chk	Juv Fl Chk	Juv Fl Chk2	Cutthroat	Other Fsh	Comment	Max PDOP	Corr type	GPS Date	GPS Time	Std dev	Horz prec	Point id	X	Y
0	0	0				3.3	Differential	20020829	03.22-07pm	16 584871	3 143	9	7636651 95	698511 6966
0	0	0				6 1	Differential	20020829	04-05 53pm	22 809114	3.377	10	7627746.222	704611 0427
0	0	0				3 6	Differential	20020829	01 47 14pm	1 672597	4 917	6	7636466 95	698625.3368
0	0	0				99	None	20020829	01 49-00pm	99	99	99	7636500 672	698595 9662
0	0	0				2 9	Differential	20020829	05.26 58pm	23 006111	3 032	12	7621125.599	708292 6979
0	0	0				4 6	Differential	20020830	08 36 19am	6 323067	3.273	1	7636647 103	698525 0636
0	0	0				3.2	Differential	20020830	09-38 52am	8 462647	2 617	3	7631797 987	701615 0189
0	0	0				4 1	Differential	20020830	09-52 42am	3 101693	2 83	4	7623269.299	706042 8441
0	0	0				5 6	Differential	20020830	11 51 43am	22.379813	3.526	6	7618172 009	712257.2248
0	0	0		1 AD STL REL		7	Differential	20020830	12 53 15pm	223 412474	4 196	7	7620612 888	711142.209
0	0	0				6 4	Differential	20020830	02 10-06pm	232.529581	4 426	8	7633525 646	701518 6625
0	0	0				2 4	Differential	20020830	08 57 44am	0 416458	2 741	2	7636361.274	698751 4734
0	0	0		1 YB REL		4 3	Differential	20020830	11.23 42am	1.545729	4.216	5	7620491 715	713375 7258
0	0	0				3 6	Differential	20020903	02.50-01pm	43 921515	3.338	11	7615576.567	718479 9179
0	0	0				8	Differential	20020903	01 49-55pm	5 913502	8 146	9	7616928 966	720047.3888
0	0	0				4 5	Differential	20020903	02-07 15pm	4 072892	4 803	10	7615889 078	717519 8976
0	0	0				7 2	Differential	20020903	03 11 50pm	8 17105	2 843	12	7618395 772	717333 0447
0	0	0				6 4	Differential	20020903	06-06.10pm	12 069943	3.293	13	7615725.379	717997.52
0	0	0			RESET DEEP	3 1	Differential	20020904	12 18 51pm	7 025777	3.509	1	7617091 116	723358 1627
0	0	0				6 9	Differential	20020904	12 42-05pm	8 886618	10 486	2	7616899 438	720168 7906
0	0	0				7 8	Differential	20020904	01 11 34pm	4 767322	4 112	3	7615719 084	718045 4567
0	0	0				2 9	Differential	20020904	01 23 39pm	16 917289	4.26	4	7619968 045	717118 0047
0	0	0				2	Differential	20020905	10-35 47am	1.383546	2 04	6	7619890.553	717113 6676
0	0	0				3 6	Differential	20020905	10-49 27am	10 275404	3.265	7	7617099 937	723485.2894
0	0	0				4 3	Differential	20020905	11 23.38am	6 631612	4 265	8	7616932.2	720152 0753
0	0	0				5 7	Differential	20020905	11.33 59am	20 812269	3 518	9	7615740 183	718033 1391
0	0	0			6 YPER 2 YBULL KEPT	2	Differential	20020905	10-16 38am	0 450329	2 528	5	7619960 471	717029 046
0	0	0				6 1	Differential	20020909	02 24-02pm	214 308659	3.209	1	7618120 127	716452 4286
0	0	0				7.2	Differential	20020909	03 13 49pm	608 756283	3 609	2	7616878 697	715284 0444
0	0	0						NA	NA				7617129 658	723415.2723
								NA	NA				7617416 80519	718268 85250
0	0	0						NA	NA				7619857 473	717015 696
								NA	NA				7618593 186	715490 6397
0	0	0				7 9	Differential	20020910	09-09 16am	413 14505	2.525	1	7618223.309	716312 6247
0	0	0				3.2	Differential	20020910	11 49-52am	0 651226	3 609	3	7618684.309	715286 0981
0	0	0				8	Differential	20020910	01-07 40pm	8 763366	5 206	7	7615875 266	717638 0231
0	0	0				6 5	Differential	20020910	01 19-05pm	415 631658	4.338	8	7616782 236	715542 4184
0	0	0				3 6	Differential	20020910	02.38 46pm	11 598003	3.315	9	7617422 891	718377 6724
0	0	0			STARRY FLOUNDER	3 9	Differential	20020911	10-13 38am	11 472807	2 487	2	7614604 455	719624 7587
0	0	0				4 1	Differential	20020911	09.22 33am	13 931272	3.231	1	7617129 658	723415 2723
0	0	0				5.5	Differential	20020911	11 19-38am	0 249219	3 633	3	7616880.275	720138 4978
0	0	0				5 8	Differential	20020911	11 27 52am	9.355941	3.39	4	7618593 186	715490 6397
0	0	0				4 8	Differential	20020911	12 43 50pm	23 175326	4 031	5	7620359 864	714513 4556
0	0	0				6 8	Differential	20020911	01 17 16pm	7 464071	6.264	6	7620487 12	713367 7385
0	0	0			SHOCKED BOTH SIDES	4.3	Differential	20020911	09 57 34am	295 774069	3.253	1	7619707.566	713644 2472
0	0	0				3 9	Differential	20020911	02 24 19pm	10.373581	3 023	3	7617404 862	718353 1644
0	0	0				7	Differential	20020911	12-02 40pm	145 005411	4 287	2	7620480 486	711394 9056
0	0	0				5.3	Differential	20020912	10-47.31am	1 932128	3 815	3	7616907.313	720116.5076
0	0	0				3 2	Differential	20020912	02 16-08pm	1.307442	3 174	7	7618603 927	715463.2256
0	0	0				3 9	Differential	20020912	02 22.28pm	2 64443	3 762	8	7620407 843	714479 8348
0	0	0				4.3	Differential	20020912	02.28 18pm	1 804064	3 426	9	7620490 927	713374 9951
0	0	0				2 4	Differential	20020912	01 59 56pm	1.269105	2 818	6	7618265 483	712171 1003
0	0	0				7 7	Differential	20020912	09-23 10am	539 136106	2 952	1	7619709.522	712269 6124
0	0	0				8	Differential	20020912	01-05 11pm	267 618191	3 396	2	7627166 179	705278 768
0	0	0				5 3	Differential	20020912	10-44 30am	1 421002	4 481	2	7616904 86	720111 6739
0	0	0				4	Differential	20020912	11 41 38am	1 143663	3 603	4	7615754 536	717965.2265
0	0	0				6.3	Differential	20020912	01 13 57pm	1 461127	6 52	5	7619875 02	717025.3714
0	0	0				4 1	Differential	20020912	09 49.34am	4 188709	5 807	1	7614642 247	719606 5205
0	0	0				4 8	Uncorrected	20020913	10-30 31am	2 634737	157.378	14	7620471 835	713381 9605
0	0	0				4 6	Uncorrected	20020913	10-40-37am	2 444231	158 425	15	7620400 09	714471 8448
0	0	0				5 7	Uncorrected	20020913	10-51 41am	9 246833	159 131	16	7618573 01	715517 0028
0	0	0				5 7	Uncorrected	20020913	11 18 16am	15 766774	154 656	17	7616899 788	720151 055
0	0	0		2 ADL STH		6 8	Uncorrected	20020913	11-00 49am	546 006168	160.383	2	7619082 836	711072 8099
0	0	0				7	Uncorrected	20020913	12 57 43pm	420 579793	158 25	4	7628427 578	704105 5769
0	0	0		1 YP 2 SF REL		7	Uncorrected	20020913	11.59 40am	10 843983	158.25	3	7617385 665	718386 699
0	0	0				2 8	Uncorrected	20020913	09-04 15am	0 032693	154 656	12	7637008 864	698869 587
0	0	0				4 8	Uncorrected	20020916	09 41 45am	14 539549	161 656	1	7630607.552	699180 1794
0	0	0				5 8	Uncorrected	20020916	10-43.36am	18 548407	159 487	3	7631843 032	697486 0363
0	0	0				6 6	Uncorrected	20020916	12-01 46pm	11.219441	160.564	5	7622621.213	706197 7224
0	0	0				7 7	Uncorrected	20020916	12 29-08pm	26 048501	153 826	6	7620318 653	714436.2676
0	0	0				6	Uncorrected	20020916	01-00-43pm	17 465801	159 844	7	7618540 835	715542.5136
0	0	0				4 7	Uncorrected	20020916	09 37 53am	253 421071	159.309	5	7620574 65	711187 4902
0	0	0				6	Uncorrected	20020916	11 35.32am	75 098625	155 665	9	7619739 448	709973 7289
0	0	0				6 9	Uncorrected	20020916	11 54 45am	559 231672	157 726	10	7627278 11	705676 5681
0	0	0		1 ADT CHK		6 5	Uncorrected	20020916	01 13 39pm	179 444403	155 835	11	7626335 429	704152 8301
0	0	0		2 STH		5 9	Uncorrected	20020916	01 37.56pm	364 669609	158 601	12	7620419 962	711457 1061
0	0	0		1 JUV STH		5 9	Uncorrected	20020916	02 10-41pm	281 973987	155 835	13	7618753 876	711442 9428
0	0	0				4 9	Uncorrected	20020916	10-23.32am	0 762009	158 778	2	7630617 572	699158 0831
0	0	0				7	Uncorrected	20020916	10-56-05am	1.589108	153 991	4	7631834 988	697460 9021
0	0	0				2 7	Uncorrected	20020916	02 22 24pm	2 785053	156 175	9	7617398 105	718363 6495
0	0	0				5 4	Uncorrected	20020916	03 21 10pm	10 017188	153 826	10	7616908 427	720055.2472
0	0	0		1 YB KEPT		5 7	Uncorrected	20020916	10-37 50am	5 599442	158 601	6	7619827 861	717095 2318
0	0	0				3 7	Differential	20020917	12-08.35pm	4 862204	4 561	4	7618601 291	715488 4074
0	0	0				5 6	Differential	20020917	12 28 57pm	15 0259	4 959	5	7618242 694	712206 7888
0	0	0				6 4	Differential	20020917	01-07-03pm	5 89423	4 261	7	7622688 675	706217.3609
0	0	0				2 6	Differential	20020917	01 50-21pm	6 145749	3.367	8	7630598 886	699262 1327
0	0	0				2 8	Differential	20020917	02 21-06pm	14 507688	2 661	9	7631890 702	697609 4198
0	0	0			Oversize SB Released	6 9	Differential	20020917	12 49 26pm	268 993224	3 798	3	7630013 061	699882 4099
0	0	0			2 Oversized SB Released	4.3	Differential	20020917	01 52 49pm	124 872532	3 363	4	7631754 872	697735 1897
0	0	0				3 6	Differential	20020917	02 18 58pm	15 920626	3 065	5	7631905 021	697534 6746
0	0	0				6 3	Differential	20020917	02 40-08pm	154 903737	3 827	6	7630175 08	702496.3715
0	0	0				6 8	Differential	20020917	10-42-08am	3 736693	4 029	1	7616888 278	720144 1025
0	0	0				5 3	Differential	20020917	11 35 29am	5 835523	4 811	2	7615793 764	717936 7904
0	0	0				6 6	Differential	20020917	12-04-00pm	13.282063	4 64	3	7617342.156	718404 6871
0	0	0				5 7	Differential	20020917	12 58 40pm	7 468745	6 561	6	7618227 853	712179 9478
0	0	0				4 9	Differential	20020917	03-08 27pm	0 214934	4 667	11	7637239 1	693847 7234
0	0	0				4 4	Differential	20020917	10-05-01am	9 236559	4 776	1	7619937 654	717079 1798
0	0	0			Trotline Lost	99	None	20020917	10-30-00am	99	99	0	7619688.909	714719 1873
0	0	0				3	Differential	20020917	11 46 53am	0 953841	4 093	2	7619851 62	712552 8778
0	0	0				4 4	Differential	20020918	09 51 41am	7 928662	4 146	1	7618626 811	715463 059
0	0	0				4 7	Differential	20020918	10-08 19am	3 037957	5 128	2	7618246 334	712208 1499
0	0	0				5 2	Differential	20020918	10 57 56am	1 274016	4 156	4	7622702 991	706210 801
0	0	0				2 9	Differential	20020918	12-09 17pm	1 310385	4 837	6	7630599 147	699250 9038
0	0	0				6.5	Differential	20020918	03 21 29pm	20.233827	4 836	8	7631924.303	697597 7816

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Table C-2 Fish Catch Coordinates

Area ID	Day key	Collector	EF date	EF time	Method	Objective	Seconds	Morts	Largescale	Largescal2	Carp rel	Carp kept	Smallmouth	Smallmout2	Sculpin re	Sculpin ke	B Bullhea	B bullhe2	Y Bullhea	Y Bullhe2	Pikeminnow	Pikeminno2	B crappie	B crappi2	Walleye re	Walleye ke	Peamouth r	Peamouth k	Lamprey re	Lamprey ke	Crayfish r	Crayfish k	Y Perch r	W crappie	Bluegill r	Peamouth 2	Pumpkinsee	Largemouth	Sticklebac	Sturgeon r	Juv Coho r	Juv Steelh
08R010	EF1	JK	9/18/02	13:40	EF Boat	Target	713		0	0	0	0	0	1	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
04R004	EFB1	IS/BC	9/18/02	9:45	EF Backpack	Target	955		0	0	0	0	0	0	2	1	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
06R001	EFB2	IS/BC	9/18/02	10:30	EF Backpack	Target	900		0	0	0	0	0	0	8	6	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R002	EFB3	IS/BC	9/18/02	11:50	EF Backpack	Target	600		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R001	EFB4	IS/BC	9/18/02	15:35	EF Backpack	Target	900		0	0	0	0	0	0	5	5	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
04R023	TL1	IS/BC	9/18/02	7:47	Trot Line	Target			0	0	0	0	1	0	0	1	1	2			0	0	0	0	0	0	0	0	0	0		0		0	0		0	1	0	0	0	0
FZ0306	TL2	BS	9/18/02	10:58	Trot Line	Target			0	0	2	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		1	0	0	0	0	0
FZ0306	TL3	BS	9/18/02	11:15	Trot Line	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0306	TL4	BS	9/18/02	11:25	Trot Line	Target			0	0	0	0	0	0	0	0	0	0			2	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0306	TL5	BS	9/18/02	11:36	Trot Line	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		1	0	0	0	0	0
FZ0306	TL6	BS	9/18/02	11:49	Trot Line	Target			0	0	0	0	0	0	1	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	1	0	0
FZ0609	TLC1	NA	9/18/02	13:17	Trot Line	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0609	AG1	IS/BC	9/19/02	18:00	Angling	Target			0	0	0	0	0	0	0	0	0	0			0	0	2	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
06R001	CT3	IS/BC	9/19/02	12:05	Crayfish Trap	Target																										1										
05R006	EF1	BS	9/19/02	12:25	EF Boat	Target	763		0	0	0	0	1	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
05R006	EF2	BS	9/19/02	12:49	EF Boat	Target	755		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
05R006	EF3	BS	9/19/02	13:08	EF Boat	Target	849		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
05R006	EF4	BS	9/19/02	13:28	EF Boat	Target	755		0	0	0	0	1	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
05R006	EF5	BS	9/19/02	13:47	EF Boat	Target	612		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
05R006	EF5	BS	9/19/02	13:47	EF Boat	Target	612		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R010	EF6	BS	9/19/02	14:34	EF Boat	Target	755		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R010	EF6	BS	9/19/02	14:34	EF Boat	Target	755		0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R010	EF7	BS	9/19/02	14:14	EF Boat	Target	826		0	0	0	0	1	1	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R010	EF8	BS	9/19/02	15:15	EF Boat	Target	729		0	0	0	0	2	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R010	EF8	BS	9/19/02	15:15	EF Boat	Target	729		0	0	0	0	2	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R010	EF9	BS	9/19/02	15:36	EF Boat	Target	769		0	0	0	0	1	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R010	EF9	BS	9/19/02	15:36	EF Boat	Target	769		0	0	0	0	1	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0609	TL1	BS	9/19/02	17:05	Trot Line	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0609	TL2	BS	9/19/02	17:08	Trot Line	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R010	AG1	IS	9/20/02	9:35	Angling	Target		N																																		
03R004	AG2	IS	9/20/02	11:30	Angling	Target		N																																		
FZ0609	AG3	IS	9/20/02	12:20	Angling	Target		N																																		
08R002	CT1	IS/BC	9/20/02	10:00	Crayfish Trap	Target																									1											
08R001	CT2	IS/BC	9/20/02	10:15	Crayfish Trap	Target																									1											
06R001	CT3	IS/BC	9/20/02	10:45	Crayfish Trap	Target																									0											
04R004	CT4	IS/BC	9/20/02	10:55	Crayfish Trap	Target																									1	2										
03R004	CT5	IS/BC	9/20/02	11:15	Crayfish Trap	Target																									0	0										
FZ0609	TL1	BS	9/20/02	10:05	Trot Line	Target			0	0	0	0	0	0	0	0	3	1			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0609	TL2	BS	9/20/02	10:36	Trot Line	Target			0	0	0	0	0	0	0	0	1	1			0	0	1	1	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0609	TL3	BS	9/20/02	11:45	Trot Line	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0609	TL4	BS	9/20/02	11:51	Trot Line	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0609	TL5	BS	9/20/02	11:22	Trot Line	Target			0	0	0	0	0	0	1	1	2	2			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0306	TL6	BS	9/20/02	12:26	Trot Line	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0306	TL7	BS	9/20/02	12:54	Trot Line	Target			1	0	0	0	0	0	1	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
FZ0306	TL8	BS	9/20/02	13:17	Trot Line	Target			0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0		0		0	0		0	0	0	0	0	0
08R002	CT1	TS/JF	9/23/02	17:30	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	2	1	0	0	0	0	0	0	0	0	0	0
08R001	CT2	TS/JF	9/23/02	17:54	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	2	0	0	0	0	0	0	0	0	0	0	0
09R002	CT3	TS/JF	9/23/02	18:10	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	1	0	0	0	0	0	0	0	0	0	0
08R010	EF1	JK	9/23/02	16:19	EF Boat	Target	518		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF2	JK	9/23/02	16:33	EF Boat	Target	501		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF3	JK	9/23/02	16:52	EF Boat	Target	544		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF4	JK	9/23/02	17:29	EF Boat	Target	540		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL1	BS	9/23/02	12:26	Trot Line	Target			0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL2	BS	9/23/02	13:35	Trot Line	Target			0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL3	BS	9/23/02	13:46	Trot Line	Target			0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL4	BS	9/23/02	15:08	Trot Line	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL5	BS	9/23/02	14:43	Trot Line	Target			0	0	0	0	0	0	2	0	2	0	1	1	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL6	BS	9/23/02	18:10	Trot Line	Target			0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R004	CT1	IS/TS/JF	9/24/02	12:48	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R001	CT2	IS/TS/JF	9/24/02	13:57	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	5	3	0	0	0	0	0	0	0	0	0	0
06R001	CT3	IS/TS/JF	9/24/02	14:50	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	1	1	0	0	0	0	0	0	0	0	0	0
08R002	CT4	IS/TS/JF	9/24/02	16:05	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	1	1	0	0	0	0	0	0	0	0	0	0
08R001	CT5	IS/TS/JF	9/24/02	16:28	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	2	1	0	0	0	0	0	0	0	0	0	0
09R003	CT6	IS/TS/JF	9/24/02	16:50	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	1	0	0	0	0	0	0	0	0	0	0	0
03R005	EB1	TS	9/24/02	13:55	EF Backpack	Target	140		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF1	JK	9/24/02	13:34	EF Boat	Target	502		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF10	JK	9/24/02	15:29	EF Boat	Target	508		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF2	JK	9/24/02	13:48	EF Boat	Target	506		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF3	JK	9/24/02	14:00	EF Boat	Target	502		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF4	JK	9/24/02	14:14	EF Boat	Target	502		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF5	JK	9/24/02	14:28	EF Boat	Target	538		0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF6	JK	9/24/02	13:51	EF Boat	Target	503		0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF7	JK	9/24/02	14:49	EF Boat	Target	528		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF8	JK	9/24/02	15:51	EF Boat	Target	322		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF9	JK	9/24/02	16:01	EF Boat	Target	517		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL1	JK	9/24/02	11:25	Trot Line	Target			0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL2	JK	9/24/02	11:46	Trot Line	Target			0	0	1	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL3	JK	9/24/02	11:56	Trot Line	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL4	JK	9/24/02	12:59	Trot Line	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL5	JK	9/24/02	13:07	Trot Line	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R002	CT1	TS/JF	9/25/02	15:00	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	1	0	0	0	0	0	0	0	0	0	0
08R001	CT2	TS/JF	9/25/02	15:27	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R003	CT3	TS/JF	9/25/02	15:47	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R001	CT4	TS/JF	9/25/02	16:50	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	1	0	0	0	0	0	0	0	0	0	0
05R001	CT5	TS/JF	9/25/02	17:42	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	5	0	0	0	0	0	0	0	0	0	0
03R004	CT6	TS/JF	9/25/02	18:30	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	1	0	0	0	0	0	0	0	0	0	0	0
04R002	EB1	TS	9/25/02	12:21	EF Backpack	Target	999		0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R004	EB2	TS	9/25/02	13:10	EF Backpack	Target	1011									3																										
08R002	EB3	TS	9/25/02	14:25	EF Backpack	Target	372								2	4																										
FZ0306	TL1	BS	9/25/02	12:00	Trot Line	Target			0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL2	BS	9/25/02	11:18	Trot Line	Target			0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0			0	0	0	0	1	0	0	0	0	0	0	0	0	0
FZ0306	TL3	BS	9/25/02	12:30	Trot Line	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL4	BS	9/25/02	11:49	Trot Line	Target			0	0	0	0	0	0	1	0	0	5	0	0	1	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL5	BS	9/25/02	12:53	Trot Line	Target			0	0	0	0	0	0	3	0	0	1	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL6	BS	9/25/02	12:17	Trot Line	Target			0	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R003	CT1	TS	9/26/02	16:20	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R001	CT2	TS	9/26/02	16:45	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
08R002	CT3	TS	9/26/02	17:00	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
05R001	CT4	TS	9/26/02	17:34	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R002	CT5	TS	9/26/02	17:55	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
04R002	CT5	TS/JF	9/26/02	17:55	Crayfish Trap	Target																																				
03R004	CT6	TS	9/26/02	18:20	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R003	EB1	TS	9/26/02	11:02	EF Backpack	Target	994		0	0	0	0	0	0	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R002	EB2	TS	9/26/02	12:30	EF Backpack	Target	787		0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Juv_Sp_Chk	Juv_Fl_Chk	Juv_Fl_Chk2	Cutthroat	Other_Fish	Comment	Max_PDOP	Corr_type	GPS_Date	GPS_Time	Std_dev	Horz_prec	Point_id	X	Y
0	0		0			5 2	Differential	20020918	02:08.34pm	109.273895	3 773	8	7632712.836	701849 0664
0	0		0			5 8	Differential	20020918	10:44 22am	3.332513	3 911	3	7618242 936	712148 6571
0	0		0			6	Differential	20020918	11 27 24am	3 792239	5 781	5	7622682 901	706189 7099
0	0		0			5 7	Differential	20020918	12 44 32pm	13.203389	7 449	7	7630608 063	699307 4677
0	0		0			2.5	Differential	20020918	04 29:53pm	0.253584	2 853	9	7631857.391	697472 9799
0	0		0			3 1	Differential	20020918	08.32 19am	6 982396	2 916	1	7619937 459	717053.5151
0	0		0			5 2	Differential	20020918	10:58 27am	4 407308	4 077	2	7619681 086	714395 0372
0	0		0		O FISH	3 9	Differential	20020918	11 15 58am	2.618041	3 883	3	7617906.55	713139 7523
0	0		0		1 CHN CAT REL	3	Differential	20020918	11.25 18am	8 519061	3.52	4	7618128 086	712413 1953
0	0		0		0 FISH KEPT	4.5	Differential	20020918	11.36 48am	13 841879	4.241	5	7619806.188	712632 9667
0	0		0		0 FISH KEPT	6.1	Differential	20020918	11 49 47am	17.574469	4 903	6	7620395.321	711489 959
0	0		0		2 B CRAPPIE LINES	8	Differential	20020918	12.34 52pm	0 812363	7 808	7	7630463 042	702274 7334
0	0		0			5 7	Differential	20020919	03 27 49pm	6.324422	6 583	31	7626519.361	704242 7865
								NA	NA				7622642 741	708240 959
0	0		0			7	Differential	20020919	12.25 46pm	431 176911	5 666	2	7618367 128	712365 9676
0	0		0			5 5	Differential	20020919	12 49:18pm	121 921776	5 773	3	7620062.227	709525 7193
0	0		0			5 9	Differential	20020919	01:08 26pm	162.515095	2 941	4	7620690.834	711010 6772
0	0		0			5 6	Differential	20020919	01 28.31pm	37 583078	3 061	5	7619862.124	712532 098
0	0		0			4 8	Differential	20020919	01 47.22pm	125.35152	3 57	6	7620160 031	713433 6014
0	0		0			4 8	Differential	20020919	01 47 22pm	125.35152	3 57	6	7620160 031	713433 6014
0	0		0			6.7	Differential	20020919	02 34 35pm	91 70613	4.327	7	7632827.552	701866.534
0	0		0			6.7	Differential	20020919	02 34.35pm	91 70613	4.327	7	7632827.552	701866.534
0	0		0			5.3	Differential	20020919	03:09 51pm	66 696309	3 865	8	7633641 989	701679 9704
0	0		0			5	Differential	20020919	03 15 06pm	86 910183	4 665	9	7634104 682	701280 3373
0	0		0			5	Differential	20020919	03 15:06pm	86.910183	4 665	9	7634104 682	701280.3373
0	0		0			6 4	Differential	20020919	03 36.31pm	122.553521	4.338	10	7635593 049	700125 0273
0	0		0			6.4	Differential	20020919	03.36.31pm	122 553521	4.338	10	7635593 049	700125 0273
0	0		0			5 4	Differential	20020919	05:05 53pm	1 256606	6 675	11	7630469 66	702242 4355
0	0		0			4.2	Differential	20020919	05:08 31pm	10 851374	2 838	12	7630334 901	702381 0597
								NA	NA				NA	NA
							Selected off photo	NA	NA				7618536 4198	715326.4747
								NA	NA				NA	NA
								NA	NA				7630547 7092	699300 5333
								NA	NA				7631883.3901	697562 0073
								NA	NA				7622642 741	708240 959
								NA	NA				7618242 694	712206 7888
								NA	NA				7618593 4209	715458 7650
0	0		0	1 BULLHEAD MORT		6 8	Differential	20020920	10:50:58am	15 759012	4.211	1	7637231 753	693844 5124
0	0		0			5 1	Differential	20020920	11 25 27am	13 020064	4 043	2	7636451.207	699400.5078
0	0		0			6 1	Differential	20020920	11 45.36am	2 268496	4 62	3	7630470 462	702263 026
0	0		0			6 7	Differential	20020920	11 51:04am	5 734393	5 288	4	7630336.55	702379.3349
0	0		0			4.3	Differential	20020920	12 18:03pm	0 725153	5 114	5	7622394 932	706532.3464
0	0		0			7	Differential	20020920	12 36 55pm	11 453843	7 157	6	7620414 279	711480 4687
0	0		0			6 4	Differential	20020920	12 54:01pm	7 082037	5 711	7	7618106 721	712484.5921
0	0		0			2 5	Differential	20020920	01 17 15pm	2 549824	2 819	8	7617905 881	713127 4786
0	0		0			2 4	Differential	9/23/2002	06:35 50pm	1 203415	3.547	2	7630547 7092	699300.5333
0	0		0			3 4	Differential	9/23/2002	06.52 19pm	4 571967	2 608	3	7631927.3321	697571 9805
0	0		0			7 5	Differential	9/23/2002	07:06 21pm	10 886283	3.204	4	7637535 9835	694169 9131
0	0		0			3.2	Differential	9/23/2002	04 19 20pm				7636422 1976	698726 3365
0	0		0			4 6	Differential	9/23/2002	04 33:06pm				7636876 0229	699036.1180
0	1		0			3 8	Differential	9/23/2002	04 52:09pm				7635576 7762	699457 9222
0	0		0			3 2	Differential	9/23/2002	05 29:57pm				7635750 4122	700000 4922
0	0		0			4.3	Differential	9/23/2002	01 19:35pm	9 236160	3 106	2	7618152 6690	712477.5306
0	0		0			4 4	Differential	9/23/2002	01.35 17pm	5 581419	5 077	3	7620735 8029	710874 1045
0	0		0			3 6	Differential	9/23/2002	01 46.36pm	8 134806	3 962	4	7622410 9613	706576.2450
0	0		0			4 5	Differential	9/23/2002	03:08 35pm	2 959896	4 439	5	7617900 7019	713159 4227
0	0		0	GOLDFS REL		3.2	Differential	9/23/2002	03 44 20pm	3 191444	4 341	6	7637236 2509	693864 9528
0	0		0			5 2	Differential	9/23/2002	04:02 36pm	6 400619	3 368	7	7636362 4406	699458 6243
0	0		0			2 9	Differential	9/24/2002	01.51 12pm	1 398562	3 675	21	7618572.5669	715497 0844
0	0		0			4 5	Differential	9/24/2002	03:05:00pm	6 164219	5 045	23	7620977 7107	710436.3630
0	0		0			3.5	Differential	9/24/2002	03 47 15pm	2 869381	3 664	24	7622631 0926	706188 8933
0	0		0			2 6	Differential	9/24/2002	04 57 33pm	5 495371	2 655	25	7630240 2509	699670 6752
0	0		0			4 7	Differential	9/24/2002	05 25 41pm	6 622728	3 017	26	7631899 7269	697542 4828
0	0		0			5 8	Differential	9/24/2002	05 48:05pm	7 170184	3 097	27	7637525 8866	694162 9974
0	0		0			8 0	Differential	9/24/2002	02 19:37pm				7619985 9402	717061 8401
0	0		0			4 0	Differential	9/24/2002	01.34 58pm				7635269 8992	700266 4272
0	0		0			2 7	Differential	9/24/2002	04 18:07pm				7632707 0119	697031.3082
0	0		0			3 8	Differential	9/24/2002	01 48:01pm				7634254 6462	700442.3398
0	0		0			5 5	Differential	9/24/2002	02:00:23pm				7634617 7282	700965 1431
0	0		0			6.2	Differential	9/24/2002	02 14:02pm				7633791.2670	701651 4193
0	0		0			6 6	Differential	9/24/2002	02 28:02pm				7633282 0733	701894 7326
0	0		0			5 8	Differential	9/24/2002	02 40 49pm				7632500 1745	701776 4939
0	0		0			4 8	Differential	9/24/2002	03.38:02pm				7631949 6911	697478 7494
0	0		0			2 5	Differential	9/24/2002	03 51:09pm				7631876.3964	697492 4054
0	0		0			3 2	Differential	9/24/2002	04:01 10pm				7632334 1193	697429 9339
0	0		0			5 9	Differential	9/24/2002	12 21:08pm	1 675627	7 594	5	7618108 9136	712478 8564
0	0		0			4.3	Differential	9/24/2002	12 44:06pm	6 414847	5.275	6	7622425.2254	706543 6450
0	0		0			1 8	Differential	9/24/2002	12 55 22pm	3 444819	2 655	7	7630309 5251	702397 0184
0	0		0			2 4	Differential	9/24/2002	12 59 25pm	1 588559	2.952	8	7630450 4617	702275 8131
0	0		0			3 1	Differential	9/24/2002	01 07:07pm	5 187672	2 966	9	7635989.2816	699854.5215
0	0		0			3 6	Differential	9/25/2002	04:00:02pm	11 204851	3 832	18	7630159.5123	699773 6189
0	0		0			2 8	Differential	9/25/2002	04 24 55pm	8 810050	3 032	19	7631878.3695	697527 4248
0	0		0			4 0	Differential	9/25/2002	04.56 48pm	10 846127	3 030	20	7637520.2093	694143 7779
0	0		0			2 1	Differential	9/25/2002	05 49 05pm	7 013816	2.527	21	7622626 9215	706157 1821
0	0		0			5.2	Differential	9/25/2002	06 35 42pm	7 165108	2 739	22	7621009 0669	710426 9852
0	0		0			6 8	Differential	9/25/2002	07 28 50pm	6 092908	3 977	23	7618616.3831	715484 8657
0	0		0			7 9	Differential	9/25/2002	12.28 57pm				7620503 7646	713307 6271
								NA	NA				7618227 853	712179 9478
								NA	NA				7630240.2509	699670 6752
0	0		0			2 9	Differential	9/25/2002	12 00:58pm	9 733698	4 968	1	7619490 5164	717263 8306
0	0		0			7 3	Differential	9/25/2002	12 14 53pm	5 157506	7.388	2	7619994.5778	717048 5591
0	0		0			5 3	Differential	9/25/2002	12.30:34pm	6.359265	5 993	3	7617911 7605	713142 6221
0	0		0			6 1	Differential	9/25/2002	12 36 49pm	10 452987	4 544	4	7618133 5492	712449 6592
0	0		0			4.2	Differential	9/25/2002	12 53.24pm	3 622783	2 989	5	7618113 6294	712405 0960
0	0		0			3 2	Differential	9/25/2002	01:09 45pm	13 743460	3 076	6	7622441 4370	706523 4892
0	0		0			5 8	Differential	9/26/2002	05.33 24pm	8.352266	3 579	4	7637525 1963	694160 6883
0	0		0			3 1	Differential	9/26/2002	05 41 41pm	6.371783	2 918	5	7631875.3296	697504.5467
0	0		0			4 9	Differential	9/26/2002	06:00:27pm	9 459758	2.924	6	7630150.2494	699801.3392
0	0		0			5 0	Differential	9/26/2002	06.25:09pm	5 650150	3 248	7	7621031.5675	710433 9127
0	0		0			4 7	Differential	9/26/2002	06 53 24pm	2 611167	4 294	8	7620483 7726	713282 0648
								NA	NA				7620498 4850	713333.5569
0	0		0			3 4	Differential	9/26/2002	07 13 27pm	10.224718	3 726	9	7618626 4134	715444 4166
0	0		0		Poor satellites	5 8	Differential	9/26/2002	12 12 18pm				7620422 0334	714520 6031
0	0		0		Poor satellites	5 9	Differential	9/26/2002	01 28:02pm				7620477 1355	713249 5799

Table C-2 Fish Catch Coordinates

Area ID	Day key	Collector	EF date	EF time	Method	Objective	Seconds	Morts	Largescale	Largescal2	Carp rel	Carp kept	Smallmouth	Smallmout2	Sculpin re	Sculpin ke	B Bullhea	B bullhe2	Y Bullhes	Y Bullhe2	Pikeminnow	Pikeminno2	B crappie	B crappi2	Walleye re	Walleye ke	Peamouth r	Peamouth k	Lamprey re	Lamprey ke	Crayfish r	Crayfish k	Y Perch r	W crappie	Bluegill r	Peamouth 2	Pumpkinsee	Largemouth	Sticklebac	Sturgeon r	Juv Cobo r	Juv Steelh
06R004	EB3	TS	9/26/02	13 50	EF Backpack	Target	704		0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF1	BS	9/26/02	13 53	EF Boat	Target	535		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
05R006	EF2	BS	9/26/02	14 05	EF Boat	Target	516		0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF3	BS	9/26/02	14 20	EF Boat	Target	506		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF4	BS	9/26/02	14 33	EF Boat	Target	503		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF5	BS	9/26/02	14 02	EF Boat	Target	516		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF6	BS	9/26/02	15 08	EF Boat	Target	506		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF7	BS	9/26/02	15 20	EF Boat	Target	582		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL1	BS	9/26/02	11 10	Trot Line	Target			0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R005	TL2	BS	9/26/02	11 27	Trot Line	Target			0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL3	BS	9/26/02	12.38	Trot Line	Target			0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL4	BS	9/26/02	12 49	Trot Line	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL5	BS	9/26/02	13 02	Trot Line	Target			0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL6	BS	9/26/02	12 15	Trot Line	Target			1	0	0	0	0	0	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
FZ0609	TL7	BS	9/26/02	17.27	Trot Line	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL8	BS	9/26/02	17 29	Trot Line	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R004	CT1	BS	9/27/02	16 24	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R002	CT1	TS	9/27/02	12 10	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0
05R001	CT2	BS	9/27/02	15 35	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0
09R003	CT2	TS	9/27/02	15 10	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R001	CT3	TS	9/27/02	15 28	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R002	CT4	TS	9/27/02	15 44	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
04R003	EB1	TS	9/27/02	10 55	EF Backpack	Target	519									3																										
04R002	EB2	TS	9/27/02	11.50	EF Backpack	Target	615		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R004	EB3	TS	9/27/02	12 35	EF Backpack	Target	870		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R004	EB4	TS	9/27/02	13 45	EF Backpack	Target	999		0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF1	BS	9/27/02	13 10	EF Boat	Target	509		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF10	BS	9/27/02	16 36	EF Boat	Target	540		0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF11	BS	9/27/02	17 44	EF Boat	Target	616		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF2	BS	9/27/02	13 22	EF Boat	Target	508		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF3	BS	9/27/02	13 37	EF Boat	Target	531		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF4	BS	9/27/02	13 38	EF Boat	Target	449		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF5	BS	9/27/02	9 58	EF Boat	Target	505		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF6	BS	9/27/02	10 09	EF Boat	Target	568		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF7	BS	9/27/02	10 20	EF Boat	Target	501		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF8	BS	9/27/02	10 32	EF Boat	Target	571		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF9	BS	9/27/02	10 45	EF Boat	Target	503		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
03R005	TL1	BS	9/27/02	11 05	Trot Line	Target			0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
03R005	TL2	BS	9/27/02	11 28	Trot Line	Target			0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R005	TL3	BS	9/27/02	12 30	Trot Line	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
FZ0306	TL4	BS	9/27/02	12 44	Trot Line	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL5	BS	9/27/02	11 52	Trot Line	Target			0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL6	BS	9/27/02	12 55	Trot Line	Target			0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL7	BS	9/27/02	16 47	Trot Line	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL8	BS	9/27/02	16 50	Trot Line	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R004	CT1	TS	9/30/02	7 25	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
04R002	CT2	TS	9/30/02	8 13	Crayfish Trap	Target																									17	13										
05R001	CT3	TS	9/30/02	9 48	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	0	0	0	0	0	0	0	0	0	0
08R001	CT4	TS	9/30/02	11 01	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
09R003	CT5	TS	9/30/02	11 24	Crayfish Trap	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R003	EB1	TS	9/30/02	7 44	EF Backpack	Target	754		0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R002	EB2	TS	9/30/02	8 44	EF Backpack	Target	564		0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R004	EB3	TS	9/30/02	9.26	EF Backpack	Target	426									4																										
05R006	EF1	BE	9/30/02	8 14	EF Boat	Target	500		0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF10	BS	9/30/02	13 22	EF Boat	Target	529		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
08R010	EF11	BS	9/30/02	13.37	EF Boat	Target	453		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
05R006	EF2	BE	9/30/02	8 29	EF Boat	Target	515		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF3	BE	9/30/02	8 44	EF Boat	Target	396		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0
05R006	EF4	BE	9/30/02	9 03	EF Boat	Target	553		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF5	BE	9/30/02	9 17	EF Boat	Target	504		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF6	BE	9/30/02	9 42	EF Boat	Target	498		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF7	BS	9/30/02	12 08	EF Boat	Target	502		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF8	BS	9/30/02	12 24	EF Boat	Target	502		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF9	BS	9/30/02	12.36	EF Boat	Target	488		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
FZ0306	TL1	BS	9/30/02	9 47	Trot Line	Target			0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL2	BS	9/30/02	10 52	Trot Line	Target			0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL3	BS	9/30/02	10 12	Trot Line	Target			0	0	0	0	0	0	0	0	0	1	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL4	BS	9/30/02	11 22	Trot Line	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL5	BS	9/30/02	10 38	Trot Line	Target			0	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL6	BS	9/30/02	10 50	Trot Line	Target			0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL7	BS	9/30/02	13 13	Trot Line	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL8	BS	9/30/02	13 17	Trot Line	Target			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R004	CT1	TS	10/1/02	12 59	Crayfish Trap	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	0	0	0	0	0	0	0	0	0	0
08R002	CT2	TS	10/1/02	14 20	Crayfish Trap	Target																										3										
03R032	EB1	TS	10/1/02	8.22	EF Backpack	Target	945	N	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R002	EB2	TS	10/1/02	9 50	EF Backpack	Target	564	N	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF1	BS	10/1/02	7 17	EF Boat	Target	551	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF10	BS	10/1/02	23 38	EF Boat	Target	514	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
05R006	EF2	BS	10/1/02	7 17	EF Boat	Target	489	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF3	BS	10/1/02	9 58	EF Boat	Target	508	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
08R010	EF4	BS	10/1/02	10 09	EF Boat	Target	502	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF5	BS	10/1/02	10 20	EF Boat	Target	504	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF6	BS	10/1/02	10 32	EF Boat	Target	512	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF7	BS	10/1/02	10 45	EF Boat	Target	515	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
08R010	EF8	BS	10/1/02	11 05	EF Boat	Target	363	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF9	BS	10/1/02	11 24	EF Boat	Target	524	N	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL1	BS	10/1/02	9 03	Trot Line	Target		1 YP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL2	BS	10/1/02	8 23	Trot Line	Target		N	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL3	BS	10/1/02	9 00	Trot Line	Target		N	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL4	BS	10/1/02	9 14	Trot Line	Target		1 YP	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
FZ0609	TL5	BS	10/1/02	10 19	Trot Line	Target		N	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R003	CT1	JK	10/2/02	14 18	Crayfish Trap	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
08R001	CT2	JK	10/2/02	14 38	Crayfish Trap	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0
08R002	CT3	JK	10/2/02	15 12	Crayfish Trap	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	0	0	0	0	0	0	0	0	0	0
03R032	CT4	JK	10/2/02	17 10	Crayfish Trap	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	20	0	0	0	0	0	0	0	0	0	0
06R004	EB1	TS	10/2/02	15 20	EF Backpack	Target	886								0	2																										
08R002	EB2	TS	10/2/02	16 20	EF Backpack	Target	1677								0	6																										
03R032	EB3	TS	10/2/02	17 10	EF Backpack	Target	767								0	1																										
08R010	EF1	BS	10/2/02	13 57	EF Boat	Target	506	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF10	BS	10/2/02	16 05	EF Boat	Target	534	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
08R010	EF11	BS	10/2/02	16 20	EF Boat	Target	551	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
08R010	EF12	BS	10/2/02	16.32	EF Boat	Target	500	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF13	BS	10/2/02	15 54	EF Boat	Target	505	N	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF14	BS	10/2/02	17 15	EF Boat	Target	497	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Juv Sp	Chk Juv Fl	Chk Juv Fl Chk2	Cutthroat	Other Fish	Comment	Max PDOP	Corr type	GPS Date	GPS Time	Std dev	Horz prec	Point id	X	Y
0	0		0		POOR GPS	4 8	Differential	9/26/2002	03·07·04pm				7626306 1977	704150 1949
0	0		0			4 0	Differential	9/26/2002	01 53·06pm				7619759 0099	709903 4296
0	0		0			6 0	Differential	9/26/2002	02·05 51pm				7618939 0480	711095 7271
0	0		0			5 0	Differential	9/26/2002	02 20·59pm				7619592.5167	713667 5556
0	0		0			5 2	Differential	9/26/2002	02 33 59pm				7619803 1871	712703 8370
0	0		0			4 8	Differential	9/26/2002	03·04.37pm				7620382 6557	711479.5874
0	0		0			4 8	Differential	9/26/2002	03·08.52pm				7620752 1432	710870 7352
0	0		0			5 8	Differential	9/26/2002	03 20·20pm				7621245 6915	710038 0469
0	0		0			5 9	Differential	9/26/2002	12·01.37pm	2 048520	6 911	1	7619942.5293	717249 3195
0	0		0			6 0	Differential	9/26/2002	12 20·14pm	4 991537	6 994	2	7619916 9143	717044.3276
0	0		0			5 9	Differential	9/26/2002	12 38 42pm	7 421511	4 178	3	7618669 7088	715297 6955
0	0		0			5 6	Differential	9/26/2002	12 49 50pm	2 738728	3.324	4	7617901.3423	713151 4893
0	0		0			5.2	Differential	9/26/2002	01·02.30pm	4 421926	3.200	5	7618112.8275	712352 5767
0	0		0			4 6	Differential	9/26/2002	01·05.24pm	6.636658	3 304	6	7618127.5132	712389 4775
0	0		0			2 7	Differential	9/26/2002	05 27·08pm	2 153412	3 021	16	7630299 1501	702391 2050
0	0		0			5 7	Differential	9/26/2002	05 29 53pm	3.259029	4 041	17	7630460.2634	702246 4370
0	0		0			4 1	Differential	9/27/2002	04 22 19pm				7618571 8879	715512 4519
0	0		0			4 9	Differential	9/27/2002	01.28·09pm				7620480 0980	713281 9433
0	0		0			4 0	Differential	9/27/2002	04.30·17pm				7620993 7261	710431 4696
0	0		0			5 8	Differential	9/27/2002	04 01.21pm				7637286 4994	693872 8562
0	0		0			2 9	Differential	9/27/2002	04 25 48pm				7631900.3772	697554.3331
0	0		0			3 6	Differential	9/27/2002	04 37 42pm				7630087.5124	699854 6401
								NA	NA				7620422 0334	714520 6031
0	0		0			5 7	Differential	9/27/2002	12 47 27pm				7620490 2649	713326 0864
0	0		0			5 8	Differential	9/27/2002	01 37·09pm				7618198 5947	712201 9149
0	0		0			4 9	Differential	9/27/2002	02 48 16pm				7626197.5951	704173.3491
0	0		0			3 5	Differential	9/27/2002	01 10:58pm				7618146.3085	712530.2685
0	0		0			5 8	Differential	9/27/2002	05 20·13pm				7632314.5216	701690 6287
0	0		0			5 9	Differential	9/27/2002	05 44 18pm				7633108 1856	701877 4680
0	0		0			4 4	Differential	9/27/2002	01 33·02pm				7619338 7616	710560 2475
0	0		0			4 9	Differential	9/27/2002	01 40·38pm				7619940 3613	709727 1187
0	0		0			4 3	Differential	9/27/2002	01 56 11pm				7620254 9325	709261 4339
0	0		0			4 9	Differential	9/27/2002	02 10:31pm				7620613.3691	708748 0918
0	0		0			3 5	Differential	9/27/2002	02 22 25pm				7621589 1678	709412 5336
0	0		0			5 2	Differential	9/27/2002	02 37 08pm				7621106 9446	710269 8604
0	0		0			5 7	Differential	9/27/2002	03 44 36pm				7620455 4810	711460 5074
0	0		0			2 7	Differential	9/27/2002	04 12 53pm				7619821 0840	712667 9860
0	0		0			6 0	Differential	9/27/2002	12·03 17pm				7619868.9173	717082.3748
0	0		0			5 9	Differential	9/27/2002	12 16·03pm				7619924 4056	717090 2735
0	0		0			4 7	Differential	9/27/2002	12 30·43pm				7619958.3722	717218 5252
0	0		0			3.3	Differential	9/27/2002	12 44·09pm				7617911 1674	713153 8148
0	0		0			4 2	Differential	9/27/2002	12 47 18pm				7618143 7047	712402 8423
0	0		0			5 2	Differential	9/27/2002	12 55·02pm				7618144.2336	712477 8279
0	0		0			2 4	Differential	9/27/2002	04 47 22pm				7630287.2590	702391 9257
0	0		0			2 4	Differential	9/27/2002	04 50·11pm				7630447 1734	702266 2286
0	0		0			3 7	Differential	9/30/2002	08 16 16am				7618603 2807	715498 8047
								NA	NA				7620480 0980	713281 9433
0	0		0			3 0	Differential	9/30/2002	10·48 31am				7620962 6476	710470 7361
0	0		0			6 0	Differential	9/30/2002	12·01.23pm				7631906 9593	697568 2791
0	0		0			4 6	Differential	9/30/2002	12 24 29pm				7637475 9490	694115.5661
0	0		0		3 SATELLITES	5 6	Differential	9/30/2002	08 44 30am				7620445 2891	714453 2947
0	0		0			4 7	Differential	9/30/2002	09·44 34am				7620501.2688	713318 9932
								NA	NA				7618227 853	712179 9478
0	0		0			3 9	Differential	9/30/2002	08 14 48am				7619799 3937	712719.2143
0	0		0			6 0	Differential	9/30/2002	01 22 33pm				7632718 6475	701882 1302
0	0		0			3 4	Differential	9/30/2002	01.37 46pm				7633743.5139	701685 4038
0	0		0			5.5	Differential	9/30/2002	08 29·40am				7619743 8248	712849 1180
0	0		0			5 8	Differential	9/30/2002	08 44 46am				7619679 8084	713669 1575
0	0		0			5 7	Differential	9/30/2002	09·03 29am				7620537 1839	711244 2177
0	0		0			5 4	Differential	9/30/2002	09 17 19am				7621382 0988	709777 4005
0	0		0			5 0	Differential	9/30/2002	09 42 31am				7620519.3496	708910 6853
0	0		0			5 4	Differential	9/30/2002	12·08 50pm				7619192 8193	710858 6942
0	0		0			3 9	Differential	9/30/2002	12 24 20pm				7619857 8547	709805 1149
0	0		0			5 3	Differential	9/30/2002	12 36.53pm				7620376 3031	709102 0014
0	0		0	1 GF		4 7	Differential	9/30/2002	10·38 23am				7619947 9350	717072 0540
0	0		0			3 0	Differential	9/30/2002	10·52 38am				7619985 6581	717218 6958
0	0		0			6 6	Differential	9/30/2002	11·04 24am				7619521 6870	717270 8871
0	0		0			2 9	Differential	9/30/2002	11 22 48am				7617947 1046	713160 8738
0	0		0			3.2	Differential	9/30/2002	11 28 01am				7618163.3316	712389 0286
0	0		0			5 0	Differential	9/30/2002	11 43·00am				7618137 6878	712393 5842
0	0		0			2 8	Differential	9/30/2002	01 13.26pm				7630297.2207	702398 7042
0	0		0			1 9	Differential	9/30/2002	01 17 19pm				7630442 6377	702286.2042
0	0		0			6.3	Differential	10/1/2002	01 59 23pm				7618593 4209	715458 7650
								NA	NA				7630150.2494	699801.3392
0	0		0			6 2	Differential	10/1/2002	09 22 11am				7616382 3968	716388 2340
0	0		0			8 3	Differential	10/1/2002	10·52.30am				7620498 4850	713333 5569
0	0		0			2 7	Differential	10/1/2002	07 17 14am				7620516 6448	711335 0106
0	0		0			2 9	Differential	10/1/2002	11.38 48pm				7636670 5355	699235 0271
0	0		0			2 7	Differential	10/1/2002	07 17 14am				7619756 8824	712793 6350
0	0		0			5.5	Differential	10/1/2002	09 58 03am				7636883.3785	698698 4867
0	0		0			6.3	Differential	10/1/2002	10·09·42am				7636546 9639	698587 4320
0	0		0			8 4	Differential	10/1/2002	10:20·08am				7636376.6719	698734 9229
0	0		0			9.2	Differential	10/1/2002	10·32·00am				7635987 5827	699055 4796
0	0		0		VISUAL ADT SLM	2 6	Differential	10/1/2002	10 45 13am				7635660 2210	699307.3969
0	0		0			6 0	Differential	10/1/2002	11·05 24am				7635268 8088	700245.3297
0	0		0			5 3	Differential	10/1/2002	11 20·46pm				7635347.2317	699685 9207
0	0		0			6 2	Differential	10/1/2002	09·03 38am				7633307 2370	701874 5919
0	0		0			4 5	Differential	10/1/2002	09 16·05am				7633896 8536	701458 0997
0	0		0			4 4	Differential	10/1/2002	09 50.57am				7636027 1246	699053 8606
0	0		0			5.2	Differential	10/1/2002	10·03·03am				7636442 0496	699329 6349
0	0		0			7 7	Differential	10/1/2002	10·19·16am				7636460.2268	699411.2489
0	0		0			2 8	Differential	10/2/2002	03 33 15pm				7637509 7684	694163 8977
0	0		0			6 0	Differential	10/2/2002	03 58.56pm				7631856 4118	697514 9710
0	0		0			3 6	Differential	10/2/2002	04 17 35pm				7630133 7593	699836 3797
0	0		0			4 6	Differential	10/2/2002	06 18 41pm				7616424 2297	716441 4165
								NA	NA				7626197 5951	704173 3491
								NA	NA				7630150 2494	699801 3392
								NA	NA				7616424 2297	716441 4165
0	0		0			6 1	Differential	10/2/2002	01 57·06pm				7632564 1563	701802.2854
0	0		0			3 9	Differential	10/2/2002	04·05·02pm				7635669.3231	699304 1250
0	0		0			2 5	Differential	10/2/2002	04 20·05pm				7635990.3370	699069 8570
0	0		0			2 9	Differential	10/2/2002	04 32 19pm				7636275 9508	698814 4120
0	0		0			2 7	Differential	10/2/2002	04 43·01pm				7636544 8945	698595 2246
0	0		0			4 9	Differential	10/2/2002	05 15 43pm				7631918 9930	697386 3271

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Table C-2 Fish Catch Coordinates.

Area ID	Day key	Collector	EF date	EF time	Method	Objective	Seconds	Morts	Largescale	Largescal2	Carp rel	Carp kept	Smallmouth	Smallmout2	Sculpin re	Sculpin ke	B Bullhea	B bullhe2	Y Bullhe	Y Bullhe2	Pikeminnow	Pikeminno2	B crappie	B crappi2	Walleye re	Walleye ke	Peamouth r	Peamouth k	Lamprey re	Lamprey ke	Crayfish r	Crayfish k	Y Perch r	W crappie	Bluegill r	Peamouth 2	Pumpkinsee	Largemouth	Sticklebac	Sturgeon r	Juv Coho r	Juv Steelh
09R006	EF15	BS	10/2/02	17:35	EF Boat	Target	521	N	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF16	BS	10/2/02	17:46	EF Boat	Target	512	N	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
09R006	EF17	BS	10/2/02	18:00	EF Boat	Target	502	N	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
09R006	EF18	BS	10/2/02	18:20	EF Boat	Target	508	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF19	BS	10/2/02	18:33	EF Boat	Target	508	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF2	BS	10/2/02	14:08	EF Boat	Target	538	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF20	BS	10/2/02	14:21	EF Boat	Target	518	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF21	BS	10/2/02	14:32	EF Boat	Target	525	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF22	BS	10/2/02	14:49	EF Boat	Target	571	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF23	BS	10/2/02	15:00	EF Boat	Target	506	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF24	BS	10/2/02	15:25	EF Boat	Target	511	N	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF25	BS	10/2/02	15:39	EF Boat	Target	679	N	2	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF3	BS	10/2/02	14:21	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF4	BS	10/2/02	14:31	EF Boat	Target	501	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF5	BS	10/2/02	14:49	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF6	BS	10/2/02	15:00	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF7	BS	10/2/02	15:25	EF Boat	Target	505	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
08R010	EF8	BS	10/2/02	15:39	EF Boat	Target	524	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
08R010	EF9	BS	10/2/02	15:52	EF Boat	Target	503	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
FZ0609	TL1	JK	10/2/02	14:37	Trot Line	Target		N	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL2	JK	10/2/02	13:40	Trot Line	Target		1 SB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL3	JK	10/2/02	15:06	Trot Line	Target		1 SP	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
FZ0306	TL4	JK	10/2/02	18:13	Trot Line	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R005	TL5	JK	10/2/02	17:35	Trot Line	Target		2 YP 1 SB	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
03R005	TL6	JK	10/2/02	17:45	Trot Line	Target		N	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R002	CT1	JK	10/3/02	15:50	Crayfish Trap	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R001	CT2	JK	10/3/02	15:02	Crayfish Trap	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R003	CT3	JK	10/3/02	16:43	Crayfish Trap	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0	0	0	0	0	0	0	0	0	0
09R001	CT4	JK	10/3/02	17:25	Crayfish Trap	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0
08R010	EF1	BS	10/3/02	14:10	EF Boat	Target	516	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
09R006	EF10	BS	10/3/02	16:55	EF Boat	Target	512	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
09R006	EF11	BS	10/3/02	17:10	EF Boat	Target	444	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF12	BS	10/3/02	17:25	EF Boat	Target	472	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF13	BS	10/3/02	17:39	EF Boat	Target	522	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF14	BS	10/3/02	17:53	EF Boat	Target	311	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
05R006	EF15	BS	10/3/02	18:45	EF Boat	Target	472	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF16	BS	10/3/02	21:02	EF Boat	Target	503	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF17	BS	10/3/02	21:15	EF Boat	Target	502	N	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF17	BS	10/3/02	21:30	EF Boat	Target	504	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF19	BS	10/3/02	21:43	EF Boat	Target	384	N	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF2	BS	10/3/02	14:22	EF Boat	Target	543	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF20	BS	10/3/02	21:55	EF Boat	Target	629	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF21	BS	10/3/02	20:14	EF Boat	Target	180	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF3	BS	10/3/02	14:36	EF Boat	Target	516	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF4	BS	10/3/02	14:51	EF Boat	Target	531	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF5	BS	10/3/02	15:05	EF Boat	Target	500	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF6	BS	10/3/02	15:37	EF Boat	Target	593	N	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF7	BS	10/3/02	15:57	EF Boat	Target	509	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
08R010	EF8	BS	10/3/02	16:09	EF Boat	Target	431	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF9	BS	10/3/02	16:31	EF Boat	Target	500	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL1	JK	10/3/02	14:18	Trot Line	Target		N	0	0	0	0	0	0	0	0	2	0	2	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL2	JK	10/3/02	14:31	Trot Line	Target		1 BC	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL3	JK	10/3/02	15:07	Trot Line	Target		2 YP 2 SP 1SE	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
FZ0609	TL4	JK	10/3/02	15:29	Trot Line	Target		1 SB	1	0	0	0	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL5	JK	10/3/02	17:12	Trot Line	Target		1 YP	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R001	CT1	TS	10/4/02	8:20	Crayfish Trap	Target																									8	9										
08R001	CT3	TS	10/4/02	8:58	Crayfish Trap	Target									0	0															1	1										
08R002	CT4	TS	10/4/02	9:20	Crayfish Trap	Target																									0	1										
05R006	EF1	BS	10/4/02	6:54	EF Boat	Target	504	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0
08R010	EF10	BS	10/4/02	13:20	EF Boat	Target	714	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
08R010	EF11	BS	10/4/02	13:45	EF Boat	Target	323	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF2	BS	10/4/02	7:11	EF Boat	Target	576	N	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF3	BS	10/4/02	8:20	EF Boat	Target	568	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
05R006	EF4	BS	10/4/02	8:34	EF Boat	Target	523	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF5	BS	10/4/02	8:47	EF Boat	Target	525	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF6	BS	10/4/02	12:22	EF Boat	Target	500	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF7	BS	10/4/02	12:35	EF Boat	Target	543	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
08R010	EF8	BS	10/4/02	12:48	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
08R010	EF9	BS	10/4/02	13:04	EF Boat	Target	518	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
09R001	EFB2	TS	10/4/02	10:40	EF Backpack	Target	583								0	2															0	0										
FZ0306	TL1	BS	10/4/02	8:18	Trot Line	Target		2 SC	1	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL2	BS	10/4/02	8:49	Trot Line	Target		1 YB	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL3	BS	10/4/02	10:04	Trot Line	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL4	BS	10/4/02	9:31	Trot Line	Target		1 YP 1NPM	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL5	BS	10/4/02	10:06	Trot Line	Target		2 SC	0	0	0	0	0	0	3	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL8	BS	10/4/02	10:37	Trot Line	Target		1BBH, 1SC	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R003	CT1	IS	10/7/02	11:00	Crayfish Trap	Target																									1	2										
07R003	CT2	IS	10/7/02	12:10	Crayfish Trap	Target																										4										
08R001	CT3	IS	10/7/02	15:00	Crayfish Trap	Target																									3	6										
09R003	CT4	IS	10/7/02	15:30	Crayfish Trap	Target																									3	6										
04R004	EB1A	JC/BC	10/7/02	10:33	EF Backpack	Target	830									1																										
09R001	EB1B	ML	10/7/02	8:55	EF Backpack	Target	2380						2			2																										
04R003	EB2A	JC/BC	10/7/02	11:13	EF Backpack	Target	600									4																										
07R003	EB2B	ML	10/7/02	11:20	EF Backpack	Target	1764						3			3																										
05R020	EB3B	ML/AW	10/7/02	14:36	EF Backpack	Target	1508						1			12																										
03R004	EB4A	JC/BC	10/7/02	13:46	EF Backpack	Target	327																									6										
06R002	EB4B	ML/AW	10/7/02	15:24	EF Backpack	Target	1681									11																										
03R002	EB5A	JC/BC	10/7/02	14:27	EF Backpack	Target	882									9																										
02R015	EB6A	JC/BC	10/7/02	15:18	EF Backpack	Target	1518								0	5															0	1										
03R014	EF1	JK	10/7/02	10:03	EF Boat	Target	513	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R014	EF10	JK	10/7/02	12:51	EF Boat	Target	542	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R014	EF11	JK	10/7/02	13:04	EF Boat	Target	570	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF12	JK	10/7/02	10:16	EF Boat	Target	504	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF13	JK	10/7/02	10:28	EF Boat	Target	541	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF14	JK	10/7/02	11:23	EF Boat	Target	189	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF15	JK	10/7/02	11:34	EF Boat	Target	526	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF16	JK	10/7/02	11:50	EF Boat	Target	556	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF17	JK	10/7/02	12:02	EF Boat	Target	517	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R014	EF2	JK	10/7/02	10:16	EF Boat	Target	510	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R014	EF3	JK	10/7/02	10:28	EF Boat	Target	515	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R014	EF4	JK	10/7/02	11:23	EF Boat	Target	505	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R014	EF5	JK	10/7/02	11:34	EF Boat	Target	526	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R014	EF6	JK	10/7/02	11:50	EF Boat	Target	502	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R014	EF7	JK	10/7/02	12:02	EF Boat	Target	502	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Juv Sp	Chk Juv Fl	Chk Juv Fl Chk2	Cutthroat	Other Fish	Comment	Max PDOP	Corr type	GPS Date	GPS Time	Std dev	Horz prec	Point id	X	Y
0	0		0			2 9	Differential	10/2/2002	05.35·04pm				7631407 0358	697871 0576
0	0		0			4.2	Differential	10/2/2002	05 46 17pm				7632174 8270	697255 7348
0	0		0			5.3	Differential	10/2/2002	06·00·49pm				7632337.3354	697210.5064
0	0		0			3 1	Differential	10/2/2002	06 20.30pm				7632731.2324	697038 1601
0	0		0			4 1	Differential	10/2/2002	06.33·08pm				7633198 6638	696707 0819
0	0		0			5 9	Differential	10/2/2002	02·08 40pm				7633196.9157	701957 7081
0	0		0			3.5	Differential	10/2/2002	07·03 57pm				7621524.5159	709520 7567
0	0		0			3.3	Differential	10/2/2002	07 16 23pm				7620871 8031	710569.3935
0	0		0			6 1	Differential	10/2/2002	07.28·01pm				7620484 3760	711393 4631
0	0		0			4 7	Differential	10/2/2002	07 42 52pm				7619693 1523	712938 9733
0	0		0			2 4	Differential	10/2/2002	08 15 39pm				7619770.5124	709999.5751
0	0		0			2 3	Differential	10/2/2002	08.21.29pm				7620235 1474	709256.8953
0	0		0			8 6	Differential	10/2/2002	02 21 56pm				7633747 8885	701579 8955
0	0		0			4 8	Differential	10/2/2002	02 32 25pm				7633933.2687	701475 9335
0	0		0			3 4	Differential	10/2/2002	02 49 57pm				7634570 8364	700999 8140
0	0		0			4 8	Differential	10/2/2002	03·00·42pm				7634743 7277	700788 5155
0	0		0			8 0	Differential	10/2/2002	03 25.37pm				7634226.4854	700470 0699
0	0		0			4 2	Differential	10/2/2002	03.39·45pm				7635206.5711	699738.3038
0	0		0			4.2	Differential	10/2/2002	03 52·04pm				7635436 0238	699506.1940
0	0		0			3 7	Differential	10/2/2002	02 37 23pm				7636504 0472	699305.2721
0	0		0			4 4	Differential	10/2/2002	02 54 48pm				7636457 7335	699412 9167
0	0		0			2 4	Differential	10/2/2002	03·06 53pm				7636062 8498	699015 9281
0	0		0			3.5	Differential	10/2/2002	06 13 11pm				7617917 1529	713144 4150
0	0		0			2 3	Differential	10/2/2002	06 44 17pm				7619877 6527	717084 7469
0	0		0			6 7	Differential	10/2/2002	06 58.31pm				7619942.5100	717051.5326
0	0		0			3 0	Differential	10/3/2002	04 46 43pm				7630058 6538	699843.3593
0	0		0			2 9	Differential	10/3/2002	05 02·03pm				7631883 3901	697562 0073
0	0		0			2 8	Differential	10/3/2002	05.39 19pm				7637535 0118	694153.3922
0	0		0			4.5	Differential	10/3/2002	06 20·40pm				7636498 6432	698627 8956
0	0		0			4 9	Differential	10/3/2002	02 10·20pm				7636970 7004	698816 5143
0	0		0			7.3	Differential	10/3/2002	04 55.37pm				7632325 6389	697605 6924
0	0		0			2 7	Differential	10/3/2002	05 10 28pm				7632350 1538	697215.5650
0	0		0			3 7	Differential	10/3/2002	05 25.35pm				7632709 4576	697042 8532
0	0		0			4 9	Differential	10/3/2002	05 39 20pm				7634906.3657	697884.8171
0	0		0			5 0	Differential	10/3/2002	05 53.30pm				7634485.2318	698151 7088
0	0		0	JUV SLM VISUAL		2 8	Differential	10/3/2002	06 45 16pm				7618108 5658	712284 0010
0	0		0	VIS JUV SLM		4 7	Differential	10/3/2002	07·02 23pm				7619428 9911	710374 9516
0	0		0			3 3	Differential	10/3/2002	07 15·06pm				7619738 7017	709927.2668
0	0		0			5 0	Differential	10/3/2002	07 30 25pm				7620115 1637	709428 9215
0	0		0			4.5	Differential	10/3/2002	07 43 54pm				7620390 5038	709041 5804
0	0		0			7 6	Differential	10/3/2002	02 22 12pm				7635665 8187	699990 3419
0	0		0			5 5	Differential	10/3/2002	07 55 49pm				7620722 8321	710947 9199
0	0		0			3 0	Differential	10/3/2002	08 14 13pm				7620474 5965	711430 1539
0	0		0			3 7	Differential	10/3/2002	02 36 38pm				7635573 6909	699426 4110
0	0		0			5 7	Differential	10/3/2002	02 51 53pm				7635972 0186	699084 9327
0	0		0			2 8	Differential	10/3/2002	03·05 25pm				7636571 9973	698583.5228
0	0		0			5 6	Differential	10/3/2002	03 37.30pm				7633907 1904	701530 6168
0	0		0			5 7	Differential	10/3/2002	03 57 34pm				7633166.8143	701971 0597
0	0		0			4 5	Differential	10/3/2002	04·09.32pm				7632433 8192	701740 4589
0	0		0			2.9	Differential	10/3/2002	04.31.53pm				7631920 9073	697400 0676
0	0		0			4 8	Differential	10/3/2002	02 53 18pm				7619861 9028	717082.5535
0	0		0			3.3	Differential	10/3/2002	03 28 21pm				7619953 4219	717074 4030
0	0		0			4.2	Differential	10/3/2002	03 51.37pm				7627310 0907	705415 0821
0	0		0			6 9	Differential	10/3/2002	04 16 38pm				7628501.2921	700769.2497
0	0		0			5 7	Differential	10/3/2002	06 09·26pm				7633276 0702	701925 9293
								NA	NA				7636361.274	698751 4734
								NA	NA				7631883.3901	697562 0073
								NA	NA				7630058 6538	699843.3593
0	0		0	1 OBSERVED ADT SALMON		4 8	Differential	10/4/2002	07 39·15am				7619586 8989	713045 4032
0	0		0			7 9	Differential	10/4/2002	01 20 48pm				7634335 3926	701068 8602
0	0		0			4 9	Differential	10/4/2002	01 45 23pm				7632397 0161	701727 7492
0	0		0			5 8	Differential	10/4/2002	07 58 41am				7620592 2619	711201 6743
0	0		0			3 9	Differential	10/4/2002	08 20·51am				7619906 6847	709738.3874
0	0		0			4.3	Differential	10/4/2002	08 34 20am				7619439 0859	710333 1039
0	0		0			6.2	Differential	10/4/2002	08 47 24am				7619042 0692	710881 9685
0	0		0			5 4	Differential	10/4/2002	12 22 08pm				7636000 8123	699042.3105
0	0		0			6 5	Differential	10/4/2002	12 35.26pm				7636755 0989	698517 5112
0	0		0			4.3	Differential	10/4/2002	12 48 12pm				7636696 5941	699202.5688
0	0		0			3 6	Differential	10/4/2002	01·04 35pm				7635136 9434	700337 4316
								NA	NA				7636498 6432	698627 8956
0	0		0			2.3	Differential	10/4/2002	09·07·06am				7618082 6343	712419 0968
0	0		0			4 4	Differential	10/4/2002	09 35 54am				7619885 8940	717064 5202
0	0		0			7 0	Differential	10/4/2002	10·04.31am				7617899 0709	713152.2113
0	0		0			4 9	Differential	10/4/2002	10·31·08am				7627380.2224	705488 2453
0	0		0			6 8	Differential	10/4/2002	10·51 56am				7628502 7139	700796 5776
0	0		0			5 8	Differential	10/4/2002	11.26·05am				7633318.5589	701889 3185
								NA	NA				7617416 80519	718268 85250
								NA	NA				7628527.331	701634 5207
								NA	NA				7631883 3901	697562 0073
								NA	NA				7637535 0118	694153.3922
								NA	NA				7618227 853	712179 9478
				1 bluegill				NA	NA				7636498 6432	698627 8956
								NA	NA				7620445 2891	714453 2947
								NA	NA				7628527.331	701634 5207
								NA	NA				7621568 932	707688.5029
								NA	NA				7618593 4209	715458 7650
								NA	NA				7627272 025	705322 597
								NA	NA				7615793 764	717936 7904
								NA	NA				7617312.3512	723793 7470
0	0		0			4 6	Differential	10/7/2002	10·03 32am				7614919 8430	720575 9969
0	0		0			11 6	Differential	10/7/2002	12 51 17pm				7617078 3787	719102 4281
0	0		0			4 9	Differential	10/7/2002	01·04 37pm				7616729.3140	721057 4830
0	0		0			4 8	Differential	10/7/2002	01 23 41pm				7618259 5323	717333 9191
0	0		0			5 1	Differential	10/7/2002	01 36 07pm				7618772 2053	717264 1839
0	0		0			5 5	Differential	10/7/2002	01.52 56pm				7617980 4269	716888 0341
0	0		0			8 9	Differential	10/7/2002	02 38 45pm				7618434 0589	715915.2178
0	0		0			10 9	Differential	10/7/2002	02 54 33pm				7618729 9022	715135 4374
0	0		0			6 8	Differential	10/7/2002	03·05 48pm				7618955 7180	714766 8802
0	0		0			4 9	Differential	10/7/2002	10·16 57am				7615032.3171	720944 9420
0	0		0			5 9	Differential	10/7/2002	10 28 53am				7615074 1012	721827 8260
0	0		0			6 0	Differential	10/7/2002	11 23 26am				7614665 1782	719753 2849
0	0		0			6.0	Differential	10/7/2002	11 34 15am				7615045.2191	719324 6145
0	0		0			4 7	Differential	10/7/2002	11 50·04am				7615663 5120	718116 4655
0	0		0			4 7	Differential	10/7/2002	12·02 31pm				7615930 8630	717422 8775

DRAFT DOCUMENT DO NOT QUOTE OR CITE

Table C-2 Fish Catch Coordinates

Area ID	Day key	Collector	EF date	EF time	Method	Objective	Seconds	Morts	Largescale	Largescal2	Carp rel	Carp kept	Smallmouth	Smallmout2	Sculpin re	Sculpin ke	B Bullhea	B bullhe2	Y Bullhea	Y Bullhe2	Pikeminnow	Pikeminno2	B crappie	B crappie2	Walleye re	Walleye ke	Peamouth r	Peamouth k	Lamprey re	Lamprey ke	Crayfish r	Crayfish k	Y Perch r	W crappie	Bluegill r	Peamouth 2	Pumpkinsee	Largemouth	Stickleba	Sturgeon r	Juv Coho r	Juv Steelh
03R014	EF8	JK	10/7/02	12 20	EF Boat	Target	457	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R014	EF9	JK	10/7/02	12 30	EF Boat	Target	519	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
03R005	TL1	BS	10/7/02	11 58	Trot Line	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R005	TL2	BS	10/7/02	12 18	Trot Line	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL3	BS	10/7/02	13 46	Trot Line	Target		N	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL4	BS	10/7/02	14 02	Trot Line	Target		N	0	0	0	0	0	0	0	0	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL5	BS	10/7/02	13 28	Trot Line	Target		N	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02R015	GPS	JK	10/7/02	16 24	GPS fix	Target																									5	2										
09R003	CT1	IS/SP/DK	10/8/02	11 40	Crayfish Trap	Target																									0	0										
07R003	CT2	IS/SP/DK	10/8/02	12 25	Crayfish Trap	Target																									16	21										
06R002	CT3	IS/SP/DK	10/8/02	12 45	Crayfish Trap	Target																									1	2										
06R001	CT4	IS/SP/DK	10/8/02	13 27	Crayfish Trap	Target																									9	6										
04R004	CT5	IS/SP/DK	10/8/02	15 05	Crayfish Trap	Target																									1	4										
03R008	CT6	IS/SP/DK	10/8/02	15 55	Crayfish Trap	Target																																				
08R003	EB1A	JC/BC	10/8/02	11 57	EF Backpack	Target	647	1								1																										
02R015	EB2A	JC/BC	10/8/02	12 52	EF Backpack	Target	861	12								10																										
03R002	EB3A	JC/BC	10/8/02	14 17	EF Backpack	Target	1308	7								7																										
06R004	EB3B	ML	10/8/02	13.38	EF Backpack	Target	150									1																										
04R003	EB4A	JC/BC	10/8/02	14 47	EF Backpack	Target	336	2								2																										
04R002	EB5A	JC/BC	10/8/02	15 44	EF Backpack	Target	708	6								6																										
08R010	EF1	BS	10/8/02	14 56	EF Boat	Target	536	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF2	BS	10/8/02	15 15	EF Boat	Target	510	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF3	BS	10/8/02	15 46	EF Boat	Target	515	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF4	BS	10/8/02	15 59	EF Boat	Target	594	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF5	BS	10/8/02	16 13	EF Boat	Target	584	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF6	BS	10/8/02	16 26	EF Boat	Target	505	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
08R010	EF7	BS	10/8/02	16 37	EF Boat	Target	543	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
03R005	TL1	BS	10/8/02	13 46	Trot Line	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R005	TL2	BS	10/8/02	14 02	Trot Line	Target		1 YP	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R009	TL3	BS	10/8/02	13 42	Trot Line	Target		1	1	0	1	0	0	0	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL4	BS	10/8/02	14 51	Trot Line	Target		2 YP	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	TL5	BS	10/8/02	14 32	Trot Line	Target		N	1	0	0	0	0	0	1	0	3	1	0	0	0	1	0	0	0	0	0	0	0	0	2	2										
08R003	CT1	IS/SP/LW	10/9/02	10 51	Crayfish Trap	Target																									0	3										
07R003	CT2	IS/SP/LW	10/9/02	11 23	Crayfish Trap	Target																									1	2										
06R001	CT3	IS/SP/LW	10/9/02	11 51	Crayfish Trap	Target																									1	1										
03R005	CT4	IS/SP/LW	10/9/02	12 21	Crayfish Trap	Target																									5	2										
03R009	CT5	IS/SP/LW	10/9/02	12 55	Crayfish Trap	Target										1																1										
03R008	CT6	IS/SP/LW	10/9/02	14 06	Crayfish Trap	Target																																				
08R003	EB2A	JC/BC	10/9/02	11 47	EF Backpack	Target	750									1																										
07R003	EB3A	JC/BC	10/9/02	12 13	EF Backpack	Target	639									1																										
03R032	EB3B	ML/AW	10/9/02	11 21	EF Backpack	Target	1008								3	3																										
06R002	EB4A	JC/BC	10/9/02	13 12	EF Backpack	Target	1174									9																										
05R020	EB5A	JC/BC	10/9/02	14 37	EF Backpack	Target	981									5																										
03R002	EB6B	ML/AW	10/9/02	14 12	EF Backpack	Target	788									6																										
09R006	EF1	BS	10/9/02	14 57	EF Boat	Target	566	N	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
08R010	EF10	BS	10/9/02	17 03	EF Boat	Target	NA	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
08R010	EF11	BS	10/9/02	17 26	EF Boat	Target	510	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF2	BS	10/9/02	15 12	EF Boat	Target	521	N	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF3	BS	10/9/02	15.28	EF Boat	Target	557	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF4	BS	10/9/02	15 35	EF Boat	Target	148	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF5	BS	10/9/02	15 45	EF Boat	Target	205	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF6	BS	10/9/02	16 02	EF Boat	Target	672	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF7	BS	10/9/02	16 12	EF Boat	Target	380	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF8	BS	10/9/02	16 35	EF Boat	Target	498	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF9	BS	10/9/02	16 48	EF Boat	Target	539	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
03R005	TL1	BS	10/9/02	13 37	Trot Line	Target		1 YP	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R005	TL2	BS	10/9/02	13 48	Trot Line	Target		N	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	TL3	BS	10/9/02	14 30	Trot Line	Target		2 SC,2YP	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
09R006	TL4	BS	10/9/02	13 54	Trot Line	Target		1	0	0	0	0	0	0	4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
09R006	TL5	BS	10/9/02	14 15	Trot Line	Target		1	1	0	0	0	0	0	5	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
03R005	AG1	IS	10/10/02	12 15	Angling	Target		N																																		
03R005	AG2	IS	10/10/02	15.35	Angling	Target		N																																		
08R003	CT1	IS	10/10/02	10 50	Crayfish Trap	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R003	CT2	IS	10/10/02	10 50	Crayfish Trap	Target		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
03R005	CT3	IS	10/10/02	13 02	Crayfish Trap	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
03R009	CT4	IS	10/10/02	13 05	Crayfish Trap	Target		5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0
03R003	CT5	IS	10/10/02	13 50	Crayfish Trap	Target		4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	0	0	0	0	0	0	0
02R015	CT6	IS	10/10/02	14 15	Crayfish Trap	Target		5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
03R002	EB3B	JF/AW	10/10/02	13 30	EF Backpack	Target	375	N								1																										
06R002	EB4A	JC/BC	10/10/02	14 40	EF Backpack	Target	318	N								5																										
04R023	EF1	BS	10/10/02	13 41	EF Boat	Target	453	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
08R010	EF10	BS	10/10/02	17.33	EF Boat	Target	510	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF11	BS	10/10/02	17 48	EF Boat	Target	516	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
08R010	EF12	BS	10/10/02	17.53	EF Boat	Target	669	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF13	BS	10/10/02	18 36	EF Boat	Target	540	N	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
08R010	EF14	BS	10/10/02	18 58	EF Boat	Target	528	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
08R010	EF15	BS	10/10/02	19 17	EF Boat	Target	642	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
04R023	EF2	BS	10/10/02	13 59	EF Boat	Target	546	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF3	BS	10/10/02	14 18	EF Boat	Target	508	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF4	BS	10/10/02	14 49	EF Boat	Target	519	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF5	BS	10/10/02	15 04	EF Boat	Target	491	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
06R024	EF6	BS	10/10/02	15 21	EF Boat	Target	504	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF7	BS	10/10/02	15 35	EF Boat	Target	495	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0
06R024	EF8	BS	10/10/02	15 53	EF Boat	Target	558	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R003	EF9	BS	10/10/02	16 41	EF Boat	Full Count and Meas	508	N	5	0	0	0	11	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL1	AC	10/10/02	13 37	Trot Line	Target		1 BB, 1 SP	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R005	TL1A	IS	10/10/02	13 05	Trot Line	Target		N	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL2	AC	10/10/02	14 05	Trot Line	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	AG1	IS	10/11/02	14 41	Angling	Target		N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	AG1	IS/LW	10/11/02	15 00	Angling	Target																									0	3	0	0	0	0	0	0	0	0	0	0
02R015	CT1	IS/LW	10/11/02	10 30	Crayfish Trap	Target		N	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	10	0	0	0	0	0	0	0	0	0	0
03R003	CT2	IS/LW	10/11/02	11 15	Crayfish Trap	Target		10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	0	0	0	0	0	0
03R009	CT3	IS	10/11/02	13 12	Crayfish Trap	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1										
08R003	CT4	IS/LW	10/11/02	14.35	Crayfish Trap	Target																																				
06R001	EB1A	JC/BC	10/11/02	9 51	EF Backpack	Target	449									1																										
03R032	EB5A	JC/BC	10/11/02	14 53	EF Backpack	Target	808									4																										
09R001	EB6A	JC/BC	10/11/02	15 59	EF Backpack	Target	698									1																										
04R023	EF1	BS	10/11/02	15 34	EF Boat	Target	369	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF10	BS	10/11/02	12 08	EF Boat	Target	504	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
06R024	EF11	BS	10/11/02	12 20	EF Boat	Target	584	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF12	BS	10/11/02	11.53	EF Boat	Target	630	N	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
08R010	EF13	BS	10/11/02	13 18	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
08R010	EF14	BS	10/11/02	13 31	EF Boat	Target	460	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
08R010	EF15	BS	10/11/02	13 43	EF Boat	Target	502	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					

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Juv Sp Chk	Juv Fl Chk	Juv Fl Chk2	Cutthroat	Other Fish	Comment	Max PDOP	Corr type	GPS Date	GPS Time	Std dev	Horz prec	Point id	X	Y
0	0	0				7 0	Differential	10/7/2002	12 20·01pm				7617428 3724	717895 1898
0	0	0				8.3	Differential	10/7/2002	12 30·08pm				7617335 7776	718449.2537
0	0	0				5 6	Differential	10/7/2002	11 58 57am				7619924 3598	717048 1898
0	0	0				7.5	Differential	10/7/2002	12 18 15pm				7619876 9747	717059 1968
0	0	0				5 6	Differential	10/7/2002	01·06 53pm				7636425 5325	699410.8598
0	0	0		2 GOLDFISH REL		7 4	Differential	10/7/2002	01 21·03pm				7636478 9589	699314 7100
0	0	0				5 7	Differential	10/7/2002	01 54 52pm				7631784 9001	697599 8369
						2.7	Differential	10/7/2002	04.24 56pm				7617312.3512	723793 7470
								NA	NA				7637535 0118	694153.3922
								NA	NA				7628534 404	701735 912
								NA	NA				7627272 02477	705322.59736
								NA	NA				7622626 9215	706157 1821
								NA	NA				7618242 694	712206 7888
								NA	NA				7616899 788	720151 055
								NA	NA				7631797 987	701615 0189
								NA	NA				7631797 987	701615 0189
								NA	NA				7615793 764	717936.7904
								NA	NA				7626197 5951	704173.3491
								NA	NA				7620445.2891	714453.2947
								NA	NA				7620498 4850	713333.5569
0	0	0				3 6	Differential	10/8/2002	03 51 58pm				7632448.3182	701748 5334
0	0	0				7.5	Differential	10/8/2002	04·05 37pm				7633261 2486	701900.3738
0	0	0				7 1	Differential	10/8/2002	04 34.39pm				7633752 4814	701673 1672
0	0	0				8 0	Differential	10/8/2002	04 48.21pm				7633834 0908	700798.3654
0	0	0				6 1	Differential	10/8/2002	05·02·01pm				7634653.2531	700920 6307
0	0	0				5 6	Differential	10/8/2002	05 17·00pm				7635337 8085	699685.5387
0	0	0				5 0	Differential	10/8/2002	05 27 21pm				7635718 6999	699282 8844
0	0	0				5 0	Differential	10/8/2002	01 46 13pm	10 135835	2 942		7619849 4507	717060 4163
0	0	0			SC KEPT-MORT	4.3	Differential	10/8/2002	02·02·09pm	1 927118	3 049		7619931 0363	717045 8780
0	0	0				4 8	Differential	10/8/2002	02.29 22pm	13.365545	3 835		7626725 6430	703664 2757
0	0	0				2 9	Differential	10/8/2002	02 51 44pm	15 270181	3.383		7628507 2151	700783.2809
0	0	0	1 SF			5 6	Differential	10/8/2002	03 15 13pm	14.307821	3 138		7631823 1965	697597 7970
								NA	NA				7631797 987	701615 0189
								NA	NA				7628527.331	701634.5207
								NA	NA				7622626 9215	706157 1821
								NA	NA				7619890.553	717113 6676
								NA	NA				7615740 183	718033 1391
								NA	NA				7616899 788	720151 055
								NA	NA				7631797 987	701615 0189
								NA	NA				7628527.331	701634.5207
								NA	NA				7616424 2297	716441 4165
								NA	NA				7627272 025	705322 597
								NA	NA				7621568 932	707688 5029
								NA	NA				7615793 764	717936 7904
0	0	0				4 8	Differential	10/9/2002	03 44 13pm	0 000000	0 000		7631921.5751	697422 7587
0	0	0				6 6	Uncorrected	10/9/2002	05 51.33pm	0 000000	0 000		7633720 4037	701704 4368
0	0	0				3 5	Differential	10/9/2002	06 21.30pm	0 000000	0 000		7634519 5007	701037 7390
0	0	0				3 6	Differential	10/9/2002	04·00 13pm	0 000000	0 000		7632253 6210	697301 6385
0	0	0				3 0	Differential	10/9/2002	04 14 47pm	0 000000	0 000		7632474 8884	697134 8177
0	0	0				2 7	Differential	10/9/2002	04.31.23pm	0 000000	0 000		7633498 7044	696727.5401
0	0	0				2 9	Differential	10/9/2002	04 40·13pm	0 000000	0 000		7635234 1732	695715 7421
0	0	0				2 1	Differential	10/9/2002	04 48 41pm	0 000000	0 000		7635756 9115	697213 8371
0	0	0				2 9	Differential	10/9/2002	05·06·03pm	0 000000	0 000		7634823 6258	697918 7710
0	0	0				5 9	Differential	10/9/2002	05 24·06pm	0 000000	0 000		7632465.5888	701763 0482
0	0	0				6.4	Differential	10/9/2002	05 37·01pm	0 000000	0 000		7633231 0607	701911 1206
0	0	0				4 9	Differential	10/9/2002	01 47·08pm	1 238784	3 057		7619870 7612	717045 0804
0	0	0				4 8	Differential	10/9/2002	01 48 53pm	4 714454	2 909		7619912 6865	717029.5119
0	0	0				4 8	Differential	10/9/2002	02.30 53pm	7.393834	4.223		7630421 6131	699416 0872
0	0	0				3 4	Differential	10/9/2002	02 44 20pm	10.246198	3 406		7630529 1285	699320 4160
0	0	0				4 1	Differential	10/9/2002	03·02 27pm	12 488579	3 283		7631778 8247	697515 9986
								NA	NA				7619857 473	717015 696
								NA	NA				7619857 473	717015 696
0	0	0				6.5	Differential	10/10/2002	11.23 57am	Sample Site	0 000	0 000	7632596 018	700615 489
0	0	0				3 7	Differential	10/10/2002	11 45 26am	Sample Site	0 000	0 000	7628534 404	701735 912
0	0	0				3 4	Differential	10/10/2002	01·02 38pm	Sample Site	0 000	0 000	7619857 473	717015 696
0	0	0				3.5	Differential	10/10/2002	02.34 32pm	Sample Site	0 000	0 000	7615821.314	717930.336
0	0	0				2 6	Differential	10/10/2002	02 52 41pm	Sample Site	0 000	0 000	7617412 614	718390 400
0	0	0				4.2	Differential	10/10/2002	03.36·09pm	Sample Site	0 000	0 000	7617251 038	723702 475
								NA	NA				7615793 764	717936 7904
								NA	NA				7627272 025	705322.597
0	0	0				4 6	Differential	10/10/2002	01 41 47pm	EF Run	3 157	5 050	7619270 829	714355 454
0	0	0				6 3	Differential	10/10/2002	05.33 53pm	EF Run	6 132	8 838	7632452.569	701742 053
0	0	0				4 7	Uncorrected	10/10/2002	05 48·08pm	EF Run	11 814	162.393	7632830.289	701884 052
0	0	0				5 6	Differential	10/10/2002	06 10·39pm	EF Run	4 144	7 194	7633911 145	701441 088
0	0	0				7 1	Differential	10/10/2002	06 36 49pm	EF Run	4 034	7.314	7634486 132	701061 998
0	0	0				5.2	Differential	10/10/2002	06 58 52pm	EF Run	3 674	5.570	7635395 840	699684 098
0	0	0				4 1	Differential	10/10/2002	07 17 51pm	EF Run	3 630	7 784	7636835 032	698644 490
0	0	0				7 7	Differential	10/10/2002	01 59.26pm	EF Run	4 724	10 917	7619177 863	714747 034
0	0	0				5 3	Differential	10/10/2002	02 18 19pm	EF Run	5 453	8 682	7618685 415	715243.516
0	0	0				3 1	Differential	10/10/2002	02 49 11pm	EF Run	3 144	4 383	7621406 723	707786 774
0	0	0				5 9	Differential	10/10/2002	03·04 41pm	EF Run	3 859	7 345	7621939 663	707286 819
0	0	0				5 7	Differential	10/10/2002	03 21 48pm	EF Run	3 473	7 597	7622175 171	706782 174
0	0	0				4 0	Differential	10/10/2002	03 35 25pm	EF Run	3 404	6 824	7622662 451	706195.289
0	0	0				3 0	Differential	10/10/2002	03 53 25pm	EF Run	2 851	5 867	7624895.554	706469 462
0	0	0		SHAD RELEASED 3		2 6	Differential	10/10/2002	04 41 48pm	EF Run	2 790	3 839	7632785 667	700548 563
0	0	0				6 0	Differential	10/10/2002	01 37 46pm	Sample Site	6 178825	4.395	7619303 5751	713883 1636
0	0	0				3 2	Uncorrected	10/10/2002	01·05.26pm	Sample Site	0 000	0 000	7619904 451	717054 724
0	0	0				5 9	Differential	10/10/2002	02·05 41pm	Sample Site	13 280113	5.250	7617553 5856	717630 0074
0	0	0				4.2	Differential	10/11/2002	02 41 20pm	Sample Site			7619728 797	717184 769
								NA	NA				7636504 6904	699345 9124
0	0	0				5 8	Differential	10/11/2002	11.25·01am	Sample Site			7617272.576	723768.267
0	0	0				2 9	Differential	10/11/2002	12 10·25pm	Sample Site			7617321 946	718427 810
0	0	0				6 0	Differential	10/11/2002	01 12.31pm	Sample Site			7615849.354	717905 377
								NA	NA				7632596 018	700615 489
								NA	NA				7622682.901	706189 7099
								NA	NA				7616424.2297	716441 4165
								NA	NA				7636498 6432	698627 8956
0	0	0				2 9	Differential	10/11/2002	07 34 17am	EF Run	2 710	3 867	7619208 813	714363 165
0	0	0				7 0	Differential	10/11/2002	12·08 47pm	EF Run	3 487	7 442	7622289 980	706944 776
0	0	0				3.3	Differential	10/11/2002	12 20·48pm	EF Run	3 668	3 947	7622601.341	706178 814
0	0	0				4 4	Differential	10/11/2002	12.37 53pm	EF Run	4 088	6 358	7624854 989	706490.571
0	0	0				6 5	Differential	10/11/2002	01 18 45pm	EF Run	4 957	8 691	7632535 675	701797 401
0	0	0				6 1	Differential	10/11/2002	01 31 43pm	EF Run	5 166	8 666	7633228 742	701909 938
0	0	0				5 1	Differential	10/11/2002	01 43 24pm	EF Run	4.315	7 995	7633678 316	701739 860

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Table C-2 Fish Catch Coordinates

Area ID	Day key	Collector	EF date	EF time	Method	Objective	Seconds	Morts	Largescale	Largescal2	Carp rel	Carp kept	Smallmouth	Smallmout2	Sculpin re	Sculpin ke	B Bullhea	B bullhe2	Y Bullhe	Y Bullhe2	Pikeminnow	Pikeminno2	B crappie	B crappi2	Walleye re	Walleye ke	Peamouth r	Peamouth k	Lamprey re	Lamprey ke	Crayfish r	Crayfish k	Y Perch r	W crappie	Bluegill r	Peamouth 2	Pumpkinsee	Largemouth	Sticklebac	Sturgeon r	Juv Coho r	Juv Steelh
08R010	EF16	BS	10/11/02	14:03	EF Boat	Target	416	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF2	BS	10/11/02	7:46	EF Boat	Target	653	N	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
04R023	EF3	BS	10/11/02	8:13	EF Boat	Target	554	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF4	BS	10/11/02	8:32	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF5	BS	10/11/02	9:39	EF Boat	Target	512	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
04R023	EF6	BS	10/11/02	9:54	EF Boat	Target	392	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF7	BS	10/11/02	10:06	EF Boat	Target	443	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0
06R024	EF8	BS	10/11/02	11:28	EF Boat	Target	508	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF9	BS	10/11/02	10:58	EF Boat	Target	503	N	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL1	AC	10/11/02	9:46	Trot Line	Target		N	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL2	AC	10/11/02	10:14	Trot Line	Target	1 SB	3 SP, 1 NP,	0	0	0	0	0	0	1	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL3	AC	10/11/02	10:51	Trot Line	Target		1 SP	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL4	AC	10/11/02	11:10	Trot Line	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL5	AC	10/11/02	11:15	Trot Line	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL6	AC	10/11/02	11:19	Trot Line	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	TL7	AC	10/11/02	11:49	Trot Line	Target		2 SP, 1 YP	0	0	0	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
08R003	CT1	ML/SP	10/13/02	16:20	Crayfish Trap	Target																									0	3										
03R009	CT2	ML/SP	10/13/02	17:19	Crayfish Trap	Target																									0	2										
02R015	CT3	ML/AC	10/13/02	17:44	Crayfish Trap	Target		3																							0	3										
02R015	CT1	TS/SP	10/14/02	11:10	Crayfish Trap	Target																																				
03R009	CT2	TS/SP	10/14/02	11:58	Crayfish Trap	Target																										4										
08R003	CT3	TS/SP	10/14/02	15:40	Crayfish Trap	Target																									3	1										
09R001	EB1A	ML/AW	10/14/02	9:49	EF Backpack	Target	1305	2							6	2																										
05R020	EB5A	ML/AW	10/14/02	12:46	EF Backpack	Target	545	4							2	4																										
04R003	EB7A	ML/AW	10/14/02	14:10	EF Backpack	Target	703	1								1																										
03R002	EB9A	ML/AW	10/14/02	15:31	EF Backpack	Target	899	1							1	1																										
04R023	EF1	BS	10/14/02	18:11	EF Boat	Target	510	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
04R023	EF10	BS	10/14/02	21:29	EF Boat	Target	547	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
04R023	EF11	BS	10/14/02	21:53	EF Boat	Target	555	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF12	BS	10/14/02	22:13	EF Boat	Target	537	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF13	BS	10/14/02	22:29	EF Boat	Target	537	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0
06R024	EF14	BS	10/14/02	22:46	EF Boat	Target	464	N	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF15	BS	10/14/02	23:09	EF Boat	Target	547	N	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF16	BS	10/14/02	22:48	EF Boat	Target	870	N	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0
04R023	EF2	BS	10/14/02	18:25	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF3	BS	10/14/02	18:37	EF Boat	Target	414	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF4	BS	10/14/02	18:59	EF Boat	Target	458	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF5	BS	10/14/02	19:10	EF Boat	Target	422	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF6	BS	10/14/02	19:23	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF7	BS	10/14/02	19:40	EF Boat	Target	533	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
04R023	EF8	BS	10/14/02	20:05	EF Boat	Target	544	N	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF9	BS	10/14/02	21:08	EF Boat	Target	626	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	TL1	TS/SP	10/14/02	9:30	Trot Line	Target		N	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R005	TL2	TS/SP	10/14/02	12:20	Trot Line	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R005	TL3	TS	10/14/02	13:29	Trot Line	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R005	TL3	TS/SP	10/14/02	12:29	Trot Line	Target																																				
FZ0609	TL4	TS	10/14/02	14:14	Trot Line	Target		1SP,1LMBAS	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	TL5	TS/SP	10/14/02	16:09	Trot Line	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R003	CT1	TS/SP	10/15/02	10:58	Crayfish Trap	Target																									3	1										
02R015	CT2	TS/SP	10/15/02	11:17	Crayfish Trap	Target																									1											
02R015	EB1	EA	10/15/02	14:00	EF Backpack	Target	NA	N																																		
09R001	EB1A	ML/EA	10/15/02	10:45	EF Backpack	Target	1260									2																										
06R001	EB3A	ML/EA	10/15/02	11:45	EF Backpack	Target	233									1																										
05R020	EB4A	ML/EA	10/15/02	12:15	EF Backpack	Target	766									4																										
04R004	EB5A	ML/EA	10/15/02	13:15	EF Backpack	Target	788									1																										
03R032	EB6A	ML/EA	10/15/02	13:50	EF Backpack	Target	866									6																										
03R002	EB8A	ML/EA	10/15/02	14:55	EF Backpack	Target	1192									2																										
04R023	EF1	AC	10/15/02	19:12	EF Boat	Target	500	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF1	ES	10/15/02	18:06	EF Boat	Target	525	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
08R010	EF10	AC	10/15/02	21:57	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF10	BS	10/15/02	21:32	EF Boat	Target	544	N	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	0	0	0	0
08R010	EF11	AC	10/15/02	22:11	EF Boat	Target	534	N	3	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF11	BS	10/15/02	22:43	EF Boat	Target	524	N	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	1	2	0	0	0	3	0	0	0	0
08R010	EF12	AC	10/15/02	21:52	EF Boat	Target	655	N	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
09R006	EF12	BS	10/15/02	22:38	EF Boat	Target	512	N	2	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
08R010	EF13	AC	10/15/02	23:00	EF Boat	Target	168	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF13	BS	10/15/02	23:04	EF Boat	Target	584	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF14	AC	10/15/02	23:30	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF14	BS	10/15/02	23:20	EF Boat	Target	584	N	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF15	AC	10/15/02	22:59	EF Boat	Target	511	N	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF2	AC	10/15/02	19:41	EF Boat	Target	516	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF2	ES	10/15/02	18:31	EF Boat	Target	466	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF3	BS	10/15/02	18:52	EF Boat	Target	509	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
04R023	EF4	AC	10/15/02	19:48	EF Boat	Target	504	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
04R023	EF4	BS	10/15/02	19:08	EF Boat	Target	342	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
04R023	EF5	AC	10/15/02	20:02	EF Boat	Target	512	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF5	BS	10/15/02	20:03	EF Boat	Target	719	N	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0
04R023	EF6	AC	10/15/02	20:17	EF Boat	Target	503	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF6	BS	10/15/02	20:44	EF Boat	Target	464	N	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF7	AC	10/15/02	20:50	EF Boat	Target	824	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF7	BS	10/15/02	20:57	EF Boat	Target	562	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF8	AC	10/15/02	21:00	EF Boat	Target	503	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF8	BS	10/15/02	21:42	EF Boat	Target	456	N	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
08R010	EF9	AC	10/15/02	21:43	EF Boat	Target	504	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF9	BS	10/15/02	21:07	EF Boat	Target	513	N	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
09R001	TL2	SN	10/15/02	10:15	Trot Line	Target										2																										
07R009	TL3	SN	10/15/02	12:05	Trot Line	Target												3					1																			
08R003	CT1	MM/SP	10/16/02	10:56	Crayfish Trap	Target																										1										
08R003	EB1A	ML/EA	10/16/02	10:50	EF Backpack	Target	1236	2					10		2	2																										
06R001	EB3A	ML/EA	10/16/02	11:35	EF Backpack	Target	221	2								2																										
03R004	EB6A	ML/EA	10/16/02	14:00	EF Backpack	Target	838	14							2	14																										
03R032	EB7A	ML/EA	10/16/02	15:50	EF Backpack	Target	1949	2							3	2																										
03R002	EB8A	ML/EA	10/16/02	16:33	EF Backpack	Target	674	3								3																										
04R023	EF1	BS	10/16/02	17:54	EF Boat	Target	504	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0
04R023	EF1	AC	10/16/02	18:02	EF Boat	Target	500	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF10	BS	10/16/02	20:18	EF Boat	Target	681	N	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
08R010	EF10	AC	10/16/02	21:35	EF Boat	Target	539	N	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0
08R010	EF11	BS	10/16/02	20:58	EF Boat	Target	621	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF11	AC	10/16/02	22:11	EF Boat	Target	595	N	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
08R010	EF12	BS	10/16/02	21:21	EF Boat	Target	503	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF12	AC	10/16/02	23:08	EF Boat	Target	506	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF13	BS	10/16/02	21:24	EF Boat	Target	506	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
09R006	EF13	AC	10/16/02	23:22	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF14	BS	10/16/02	21:36	EF Boat	Target	517	N	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Juv_Sp_Chk	Juv_Fl_Chk	Juv_Fl_Chk2	Cutthroat	Other_Fish	Comment	Max_PDOP	Corr_type	GPS_Date	GPS_Time	Std_dev	Horz_prec	Point_id	X	Y
0	0	0				4.9	Differential	10/11/2002	02:03:16pm	EF Run	4.088	9.598	7634419.422	701134.010
0	0	0				5.7	Differential	10/11/2002	07:46:32am	EF Run	3.539	9.694	7618759.571	714930.676
0	0	0				6.4	Differential	10/11/2002	08:13:20am	EF Run	5.345	9.142	7618438.109	715888.517
0	0	0				7.9	Differential	10/11/2002	08:32:24am	EF Run	9.925	10.016	7617317.333	714456.693
0	0	0				7.8	Differential	10/11/2002	09:39:02am	EF Run	5.986	6.250	7615792.743	717952.847
0	0	0				4.6	Differential	10/11/2002	09:54:13am	EF Run	4.177	6.508	7616227.002	716913.017
0	0	0				7.6	Uncorrected	10/11/2002	10:06:08am	EF Run	52.910	162.393	7618112.563	716620.229
0	0	0				7.6	Differential	10/11/2002	11:28:56am	EF Run	6.145	18.140	7621610.716	707621.201
0	0	0				4.7	Differential	10/11/2002	11:46:13am	EF Run	3.669	5.344	7621981.489	707091.240
0	0	0				4.9	Differential	10/11/2002	09:46:09am	Sample Site			7617168.759	718435.185
0	0	0				7.1	Uncorrected	10/11/2002	10:14:30am	Sample Site			7619322.339	713920.899
0	0	0				10.5	Differential	10/11/2002	10:51:31am	Sample Site			7627072.790	703292.046
0	0	0				8.4	Differential	10/11/2002	11:10:51am	Sample Site			7628221.833	702203.026
0	0	0			PULLED 10-10	7.7	Differential	10/11/2002	11:15:18am	Sample Site			7628243.329	702228.266
0	0	0			PULLED 10-10	11.5	Differential	10/11/2002	11:19:26am	Sample Site			7628279.297	702076.820
0	0	0				2.9	Differential	10/11/2002	11:49:16am	Sample Site			7618315.263	712273.842
								NA	NA				7632596.018	700615.489
								NA	NA				7615740.183	718033.1391
								NA	NA				7617272.576	723768.267
								NA	NA				7617272.576	723768.267
								NA	NA				7615740.183	718033.1391
								NA	NA				7632596.018	700615.489
								NA	NA				7636498.6432	698627.8956
								NA	NA				7621568.932	707688.5029
								NA	NA				7620445.2891	714453.2947
								NA	NA				7615793.764	717936.7904
0	0	0				7.9	Differential	10/14/2002	06:11:58pm	EF Run	3.880	16.845	7615847.0391	717776.3095
0	0	0			goldfish rel	5.5	Differential	10/14/2002	09:29:56pm	EF Run	3.452	5.007	7618489.1823	717332.9133
0	0	0				5.1	Differential	10/14/2002	09:53:23pm	EF Run	3.931	5.266	7621495.5797	707793.6084
0	0	0				5.2	Differential	10/14/2002	10:13:18pm	EF Run	5.147	9.942	7622012.1775	707264.9718
0	0	0				8.6	Differential	10/14/2002	10:29:07pm	EF Run	3.623	6.148	7622538.2249	706506.8587
0	0	0				7.1	Differential	10/14/2002	10:46:48pm	EF Run	4.211	9.120	7624823.4413	706470.1917
0	0	0				5.9	Differential	10/14/2002	11:09:33pm	EF Run	3.783	10.031	7632689.9722	701858.3926
0	0	0				7.1	Differential	10/14/2002	11:25:27pm	EF Run	4.594	12.087	7633495.6032	701875.7691
0	0	0				6.7	Differential	10/14/2002	06:25:00pm	EF Run	3.689	5.847	7616300.9875	716677.1088
0	0	0				6.2	Differential	10/14/2002	06:37:07pm	EF Run	3.618	5.595	7616499.6165	716263.2253
0	0	0				4.4	Differential	10/14/2002	06:59:27pm	EF Run	3.895	5.489	7619290.3796	713959.0242
0	0	0				3.6	Differential	10/14/2002	07:10:28pm	EF Run	3.186	5.544	7619184.2335	714365.0087
0	0	0				6.9	Differential	10/14/2002	07:23:23pm	EF Run	3.395	8.368	7619180.5252	714743.5033
0	0	0				8.0	Differential	10/14/2002	07:40:35pm	EF Run	4.850	17.486	7618684.7901	715172.7334
0	0	0				4.2	Differential	10/14/2002	09:00:41pm	EF Run	3.835	5.137	7618284.5669	716219.8138
0	0	0				5.9	Differential	10/14/2002	09:08:36pm	EF Run	3.552	5.575	7617997.3986	716821.3978
0	0	0				4.6	Differential	10/14/2002	06:10:58pm	Sample Site			7636504.6904	699345.9124
0	0	0				6.0	Differential	10/14/2002	01:20:12pm	Sample Site			7619901.7084	717066.7088
0	0	0				5.5	Differential	10/14/2002	01:29:28pm	Sample Site			7619923.1726	717049.6084
								NA	NA				7619857.473	717015.696
0	0	0				5.3	Differential	10/14/2002	03:14:32pm	Sample Site			7628312.6126	701987.5874
0	0	0				4.9	Uncorrected	10/14/2002	05:59:13pm	Sample Site			7635666.9191	699315.5575
								NA	NA				7632596.018	700615.489
								NA	NA				7617272.576	723768.267
								NA	NA				7617272.576	723768.267
								NA	NA				7636498.6432	698627.8956
								NA	NA				7622682.901	706189.7099
								NA	NA				7621568.932	707688.5029
								NA	NA				7618237.853	712179.9478
								NA	NA				7616424.2297	716441.4165
								NA	NA				7615793.764	717936.7904
0	0	0				2.1	Differential	10/15/2002	07:12.28pm	EF Run	2.825	2.995	7616187.9880	716997.9148
0	0	0				3.3	Differential	10/15/2002	06:06:09pm	EF Run	3.599	6.464	7617637.7691	717692.6643
0	0	0				9.5	Differential	10/15/2002	09:57:11pm	EF Run	4.283	9.377	7633330.2572	701879.1854
0	0	0			1 GF REL	4.2	Differential	10/15/2002	10:15:45pm	EF Run	3.736	5.224	7636932.0208	698766.3513
0	0	0				9.1	Differential	10/15/2002	10:11:38pm	EF Run	4.114	7.992	7633755.9893	701672.5691
0	0	0		SHAD 1		3.6	Differential	10/15/2002	10:43:30pm	EF Run	3.709	6.883	7636592.4666	698560.5354
0	0	0				7.3	Differential	10/15/2002	10:27.53pm	EF Run	4.453	9.409	7634352.1928	701155.7881
0	0	0				4.1	Differential	10/15/2002	11:21:56pm	EF Run	3.253	7.605	7631846.6169	697465.3363
0	0	0				2.6	Differential	10/15/2002	11:00:19pm	EF Run	3.514	3.874	7636266.3089	699489.4085
0	0	0				6.2	Differential	10/15/2002	11:49:02pm	EF Run	4.370	8.061	7632354.5620	697683.3983
0	0	0				7.6	Differential	10/15/2002	11:30:50pm	EF Run	3.950	11.818	7634189.8305	698020.2233
0	0	0				3.7	Differential	10/16/2002	12:05:48am	EF Run	3.575	4.400	7632533.8456	697176.2663
0	0	0				3.6	Differential	10/15/2002	11:46:07pm	EF Run	3.374	4.810	7635589.7967	697317.1453
0	0	0				2.4	Differential	10/15/2002	07:41:05pm	EF Run	2.498	3.700	7616556.7964	716066.2193
0	0	0				3.3	Differential	10/15/2002	06:31:08pm	EF Run	3.784	5.048	7618400.2055	717339.9867
0	0	0				4.5	Differential	10/15/2002	06:52:47pm	EF Run	3.933	6.561	7618079.1098	716696.1683
0	0	0				3.1	Differential	10/15/2002	07:48:47pm	EF Run	2.682	5.017	7616746.7529	715548.9134
0	0	0				6.8	Differential	10/15/2002	07:08:41pm	EF Run	3.496	12.307	7618420.1770	715927.4805
0	0	0				4.0	Differential	10/15/2002	08:02:26pm	EF Run	3.641	5.116	7617026.4001	715088.7868
0	0	0				7.6	Differential	10/15/2002	08:03:39pm	EF Run	4.579	10.082	7618716.0952	715147.7721
0	0	0				9.7	Differential	10/15/2002	08:17:51pm	EF Run	5.183	11.866	7617271.0066	714500.2488
0	0	0				3.8	Differential	10/15/2002	08:44:11pm	EF Run	3.765	4.724	7624052.2562	706978.5784
0	0	0				4.5	Differential	10/15/2002	08:50:05pm	EF Run	3.843	5.465	7621328.7511	707991.7503
0	0	0				5.9	Differential	10/15/2002	08:57.59pm	EF Run	3.424	5.769	7624766.1641	706555.6433
0	0	0				4.5	Differential	10/15/2002	09:00:49pm	EF Run	3.799	6.913	7622117.0729	707251.8025
0	0	0			1SHAD REL 2 GOLDFISH REL	7.3	Differential	10/15/2002	09:42:32pm	EF Run	3.898	7.177	7636022.1057	699566.7102
0	0	0				10.1	Differential	10/15/2002	09:43:50pm	EF Run	3.957	7.425	7632728.0959	701891.6494
0	0	0			4 GOLDFISH REL	5.4	Differential	10/15/2002	09:54:28pm	EF Run	4.043	6.261	7636646.8784	699250.9694
								NA	NA				7636361.274	698751.4734
				channel cat fish				NA	NA				7626725.6430	703664.2757
								NA	NA				7632728.6069	700570.5931
								NA	NA				7632596.018	700615.489
								NA	NA				7622682.901	706189.7099
								NA	NA				7618593.4209	715458.7650
								NA	NA				7616424.2297	716441.4165
								NA	NA				7615793.764	717936.7904
0	0	0				3.6	Uncorrected	10/16/2002	05:54:14pm	EF Run	12.345	162.393	7617749.4593	717515.0409
0	0	0				9.5	Differential	10/16/2002	06:02:09pm	EF Run	3.886	8.986	7615892.4627	717679.1129
0	0	0		1 ADL CHK		4.7	Differential	10/16/2002	08:18:29pm	EF Run	4.188	6.211	7624679.5882	706606.4732
0	0	0				9.0	Differential	10/16/2002	09:35:46pm	EF Run	4.800	19.614	7633742.1401	701691.7137
0	0	0				3.8	Differential	10/16/2002	08:58:07pm	EF Run	3.464	4.686	7635429.9899	699502.2052
0	0	0		1 WARMOUTH		4.9	Differential	10/16/2002	10:11:35pm	EF Run	4.175	7.770	7634441.9352	701104.1691
0	0	0				4.0	Differential	10/16/2002	09:21:31pm	EF Run	3.419	3.422	7636063.5521	699025.6489
0	0	0				6.3	Differential	10/16/2002	11:08:28pm	EF Run	3.693	10.491	7634117.1370	698123.0887
0	0	0				5.5	Differential	10/16/2002	09:24:26pm	EF Run	3.527	4.987	7636326.6451	698822.9823
0	0	0				2.4	Differential	10/16/2002	11:22:58pm	EF Run	2.964	3.627	7635480.9364	697406.0344
0	0	0		GOLDFISH 1 RELEASED		7.1	Differential	10/16/2002	09:36:45pm	EF Run	3.792	5.596	7636671.9071	698496.1377

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Table C-2 Fish Catch Coordinates

Area ID	Day key	Collector	EF date	EF time	Method	Objective	Seconds	Morts	Largescale	Largescal2	Carp rel	Carp kept	Smallmouth	Smallmout2	Sculpin re	Sculpin ke B	Bullhea B	bullhe2 Y	Bullhe Y	Bullhe2	Pikeminnow	Pikeminno2 B	crappie B	crappi2	Walleye re	Walleye ke	Peamouth r	Peamouth k	Lamprey re	Lamprey ke	Crayfish r	Crayfish k Y	Perch r W	crappie	Bluegill r	Peamouth 2	Pumpkinsee	Largemouth	Sticklebac	Sturgeon r	Juv Coho r	Juv Steelh
09R006	EF14	AC	10/16/02	23 49	EF Boat	Target	505	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF15	BS	10/16/02	21 57	EF Boat	Target	503	N	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
09R006	EF15	AC	10/16/02	23 51	EF Boat	Target	443	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF16	AC	10/16/02	0·03	EF Boat	Target	503	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF16	BS	10/16/02	22 12	EF Boat	Target	502	N	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
08R010	EF17	BS	10/16/02	22 40	EF Boat	Target	530	N	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	3	0	0	0	0
08R010	EF18	BS	10/16/02	23·02	EF Boat	Target	554	N	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0
09R006	EF19	BS	10/16/02	23 27	EF Boat	Target	527	N	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0
04R023	EF2	BS	10/16/02	18 07	EF Boat	Target	501	N	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF2	AC	10/16/02	18 15	EF Boat	Target	500	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF20	BS	10/16/02	23 49	EF Boat	Target	526	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
04R023	EF3	BS	10/16/02	18 19	EF Boat	Target	505	N	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
04R023	EF3	AC	10/16/02	18 51	EF Boat	Target	452	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF4	BS	10/16/02	18 33	EF Boat	Target	391	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF4	AC	10/16/02	19 24	EF Boat	Target	596	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF5	BS	10/16/02	18 45	EF Boat	Target	502	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
06R024	EF5	AC	10/16/02	19:38	EF Boat	Target	504	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF6	BS	10/16/02	19·07	EF Boat	Target	522	N	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
06R024	EF6	AC	10/16/02	19 52	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF7	BS	10/16/02	19·11	EF Boat	Target	502	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
06R024	EF7	AC	10/16/02	20·06	EF Boat	Target	500	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF8	BS	10/16/02	19 32	EF Boat	Target	508	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF8	AC	10/16/02	20 58	EF Boat	Target	510	N	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
04R023	EF9	BS	10/16/02	20·04	EF Boat	Target	717	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0
08R010	EF9	AC	10/16/02	21·08	EF Boat	Target	544	N	1	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	1	0	0	0	0
08R010	TL1	MM/SP	10/16/02	10 15	Trot Line	Target									1		2																							1		
08R010	TL2	MM/SP	10/16/02	10·36	Trot Line	Target		1			1				2																											
07R003	TL3	MM/SP	10/16/02	11 15	Trot Line	Target																																				
07R003	TL4	MM/SP	10/16/02	11 30	Trot Line	Target																																				
03R005	TL5	MM/SP	10/16/02	14 10	Trot Line	Target																																				
03R005	TL6	MM/SP	10/16/02	14 27	Trot Line	Target							1																													
08R003	CT1	MM/DP	10/17/02	11 23	Crayfish Trap	Target																										2										
08R003	EB1B	MM/DP	10/17/02	12·07	EF Backpack	Target	371	1																								1										
02R015	EB1A	SP/EA	10/17/02	11 55	EF Backpack	Target	902	1								1																										
03R032	EB3A	SP/EA	10/17/02	14 00	EF Backpack	Target	1030	N								1															2											
03R004	EB4A	SP/EA	10/17/02	14 50	EF Backpack	Target	1229	5							6	5															1											
04R023	EF1	BS	10/17/02	17 58	EF Boat	Target	535	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF1	AC	10/17/02	18 29	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF10	BS	10/17/02	20·39	EF Boat	Target	503	N	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0
06R024	EF10	AC	10/17/02	20·47	EF Boat	Target	635	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF11	BS	10/17/02	20·58	EF Boat	Target	503	N	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
06R024	EF11	AC	10/17/02	21·01	EF Boat	Target	552	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF12	BS	10/17/02	21 12	EF Boat	Target	451	N	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF12	AC	10/17/02	21.34	EF Boat	Target	591	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF13	BS	10/17/02	21 37	EF Boat	Target	518	N	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
08R010	EF13	AC	10/17/02	22·00	EF Boat	Target	761	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
08R010	EF14	BS	10/17/02	21 52	EF Boat	Target	511	N	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
08R010	EF14	AC	10/17/02	22 20	EF Boat	Target	504	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
08R010	EF15	BS	10/17/02	22 10	EF Boat	Target	497	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF15	AC	10/17/02	22 34	EF Boat	Target	578	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF16	BS	10/17/02	22 24	EF Boat	Target	501	N	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF16	AC	10/17/02	22 54	EF Boat	Target	408	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
08R010	EF17	BS	10/17/02	22 39	EF Boat	Target	499	N	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
09R006	EF17	AC	10/17/02	23 26	EF Boat	Target	700	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF18	BS	10/17/02	23 14	EF Boat	Target	504	N	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
09R006	EF18	AC	10/17/02	23 46	EF Boat	Target	523	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF19	BS	10/17/02	23 35	EF Boat	Target	502	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
04R023	EF2	BS	10/17/02	23 52	EF Boat	Target	560	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF2	AC	10/17/02	0·06	EF Boat	Target	536	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF20	BS	10/17/02	23 52	EF Boat	Target	507	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
09R006	EF21	BS	10/17/02	0·06	EF Boat	Target	506	N	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
04R023	EF3	BS	10/17/02	18.31	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF3	AC	10/17/02	18 50	EF Boat	Target	529	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF4	BS	10/17/02	18 47	EF Boat	Target	505	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0
04R023	EF4	AC	10/17/02	19·02	EF Boat	Target	567	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF5	BS	10/17/02	19·00	EF Boat	Target	500	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
04R023	EF5	AC	10/17/02	19 16	EF Boat	Target	503	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF6	BS	10/17/02	19 15	EF Boat	Target	512	N	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF6	AC	10/17/02	19·27	EF Boat	Target	455	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF7	BS	10/17/02	19·44	EF Boat	Target	512	N	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
06R024	EF7	AC	10/17/02	20·04	EF Boat	Target	604	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF8	BS	10/17/02	19 59	EF Boat	Target	552	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
06R024	EF8	AC	10/17/02	20·18	EF Boat	Target	515	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF9	BS	10/17/02	20·14	EF Boat	Target	508	N	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
06R024	EF9	AC	10/17/02	20 29	EF Boat	Target	656	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	TL1	TS	10/17/02	10 57	Trot Line	Target		1					0		1																											
08R010	TL2	TS	10/17/02	11 16	Trot Line	Target															1																					
04R023	TL3	TS	10/17/02	11 52	Trot Line	Target		2							1		4				1																					
04R023	TL4	TS	10/17/02	12 32	Trot Line	Target												1			6																					
03R005	TL5	TS	10/17/02	13·03	Trot Line	Target										1																										
08R003	CT1	TS	10/18/02	11·00	Crayfish Trap	Target																									2											
02R015	CT2	TS	10/18/02	12 40	Crayfish Trap	Target																									0											
03R002	EB2A	BC/EA	10/18/02	11 20	EF Backpack	Target	1123	1								1																										
03R032	EB3A	BC/EA	10/18/02	12·00	EF Backpack	Target	947	4								4																										
03R004	EB4A	BC/EA	10/18/02	12 35	EF Backpack	Target	770	6								6																										
04R003	EB5A	BC/EA	10/18/02	13 35	EF Backpack	Target	652	1							1	1																										
08R010	EF1	CH	10/18/02	12 11	EF Boat	Target	793	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF1	BS	10/18/02	12·07	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
04R023	EF10	CH	10/18/02	15 56	EF Boat	Target	507	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF10	BS	10/18/02	16 10	EF Boat	Target	500	N	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF11	CH	10/18/02	16 10	EF Boat	Target	521	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF11	BS	10/18/02	16 28	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
06R024	EF12	CH	10/18/02	16 41	EF Boat	Target	658	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF12	BS	10/18/02	16 53	EF Boat	Target	557	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF13	CH	10/18/02	15.25	EF Boat	Target	647	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
06R024	EF13	BS	10/18/02	15 39	EF Boat	Target	528	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
04R023	EF14	BS	10/18/02	16 16	EF Boat	Target	502	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF15	BS	10/18/02	16 28	EF Boat	Target	502	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF16	BS	10/18/02	16 41	EF Boat	Target	520	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF17	BS	10/18/02	16 53	EF Boat	Target	278	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF2	CH	10/18/02	12.33	EF Boat	Target	811	N	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
08R010	EF2	BS	10/18/02	12 20	EF Boat	Target	507	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF3	CH	10/18/02	13·02	EF Boat	Target	481	N	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
08R010	EF3	BS	10/18/02	12 34	EF Boat	Target	505	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Juv Sp Chk	Juv Fl Chk	Juv Fl Chk2	Cutthroat	Other Fish	Comment	Max PDOP	Corr type	GPS Date	GPS Time	Std dev	Horz prec	Point id	X	Y
0	0	0			SEE EF13 FOR LINE	2 1	Differential	10/16/2002	11 49 52pm	EF Run	3 160	3 161	7636309 4136	696768 4788
0	0	0		GOLDFISH 2 RELEASED		4 6	Differential	10/16/2002	09 57 52pm	EF Run	4 216	4 839	7636880.5397	698723 7167
0	0	0				4 0	Differential	10/16/2002	11 51.34pm	EF Run	3 490	5.271	7636730 0983	696630 9557
0	0	0				3 7	Differential	10/16/2002	12·03.22am	EF Run	3 095	5 681	7636501.2917	696754.3196
0	0	0		GOLDFISH 2 RELEASED		4.3	Differential	10/16/2002	10 12 50pm	EF Run	4 195	4 765	7636505.8046	699339 8477
0	0	0		GOLDFISH 1 RELEASED		2.2	Differential	10/16/2002	10·40·16pm	EF Run	3.347	3.347	7635768 5191	699960.3381
0	0	0		GOLDFISH 1 RELEASED		6.5	Differential	10/16/2002	11·02 25pm	EF Run	3 824	9 813	7635862.5414	699857.5675
0	0	0				7 1	Differential	10/16/2002	11 27.36pm	EF Run	3 504	9 603	7631925.8998	697575 1206
0	0	0				3.5	Differential	10/16/2002	06·07.30pm	EF Run	3 647	4 777	7618491 6988	717334 8641
0	0	0				5 1	Differential	10/16/2002	06 15 42pm	EF Run	3.822	7 999	7616336.8170	716681 9505
0	0	0		GOLDFISH		5 7	Differential	10/16/2002	11 49 22pm	EF Run	3 721	6.585	7632302 1067	697366.4706
0	0	0				3.3	Differential	10/16/2002	06 19·49pm	EF Run	3.587	4 968	7619542.5776	717217.8084
0	0	0				7.3	Differential	10/16/2002	06 51 15pm	EF Run	3 880	12 116	7617348.5196	714130 9873
0	0	0				3.2	Differential	10/16/2002	06 33.25pm	EF Run	3 675	5 108	7619999 1520	717169.3962
0	0	0				4 1	Differential	10/16/2002	07 24 42pm	EF Run	2 683	4 846	7621341.8788	707970 7728
0	0	0				4 7	Differential	10/16/2002	06 45.37pm	EF Run	3 880	5 431	7618120 5032	716593 6427
0	0	0				5.2	Differential	10/16/2002	07.38 17pm	EF Run	3 035	8 770	7621799 7053	707442 9099
0	0	0				5 7	Differential	10/16/2002	07·07 32pm	EF Run	3 793	11 877	7618580 8313	715451 1295
0	0	0				3.5	Differential	10/16/2002	07 52.24pm	EF Run	2 876	4 127	7622239.3726	706708 7602
0	0	0				6 5	Differential	10/16/2002	07 11 45pm	EF Run	4.346	12 086	7618716.0476	715094 9512
0	0	0				4 6	Differential	10/16/2002	08·06 39pm	EF Run	4 419	6 430	7623659 4790	706086 1942
0	0	0				4 0	Differential	10/16/2002	07 32 48pm	EF Run	3.584	4 755	7619665 5746	714492 0060
0	0	0				6 0	Differential	10/16/2002	08 58 54pm	EF Run	4 606	6 019	7632639.3301	701815 3691
0	0	0				3 6	Differential	10/16/2002	08·04 47pm	EF Run	4.203	4.261	7619215 7802	713866 1164
0	0	0				5 1	Differential	10/16/2002	09·08 39pm	EF Run	3 462	6 162	7632968.8002	701944.2925
								NA	NA				7635966.6690	699767.5979
								NA	NA				7635966.6690	699767 5979
								NA	NA				7628534 404	701735 912
								NA	NA				7628534 404	701735 912
								NA	NA				7619857 473	717015 696
								NA	NA				7619857 473	717015 696
								NA	NA				7632596 018	700615 489
								NA	NA				7632596 018	700615 489
								NA	NA				7617272 576	723768.267
								NA	NA				7616424.2297	716441 4165
								NA	NA				7618593 4209	715458 7650
0	0	0				2 7	Uncorrected	10/17/2002	05 58 39pm	EF Run	12 136	162.393	7617722 7148	717617 3930
0	0	0				5 9	Differential	10/17/2002	06 29·03pm	EF Run	4 158	9 414	7615819 1643	717757 9810
0	0	0				3 8	Differential	10/17/2002	08 39 46pm	EF Run	3 485	4 679	7623786 6928	707158 8484
0	0	0				5 0	Differential	10/17/2002	08 47.35pm	EF Run	3 669	8 698	7622256 4736	706719 0424
0	0	0				3 7	Differential	10/17/2002	08 58 26pm	EF Run	3.263	4 691	7624363 7179	706819.3884
0	0	0				5 6	Differential	10/17/2002	09·01.29pm	EF Run	3 689	7 161	7622603 9236	706200 4517
0	0	0				4 7	Differential	10/17/2002	09·12·00pm	EF Run	3 398	6 871	7624927 7131	706457 1144
0	0	0				7.3	Differential	10/17/2002	09·34 51pm	EF Run	4 160	7 165	7632287 6146	701683 2043
0	0	0				5.2	Differential	10/17/2002	09.37 19pm	EF Run	3 682	3 869	7636829 9924	698648 0058
0	0	0				4 9	Differential	10/17/2002	10·00·16pm	EF Run	4 402	6.228	7632883 0977	701884 9446
0	0	0		1 SHAD RELEASED		3 9	Differential	10/17/2002	09 52 18pm	EF Run	4 125	4 885	7636575 8230	699328 7429
0	0	0				6 6	Differential	10/17/2002	10·20·30pm	EF Run	4 686	9.336	7633500.5542	701850 2512
0	0	0				11 8	Differential	10/17/2002	10·10·52pm	EF Run	4.582	6 468	7636154 9853	699603 2372
0	0	0				7 9	Differential	10/17/2002	10·34 57pm	EF Run	5 816	10.287	7633813.2834	701624 6716
0	0	0				5 4	Differential	10/17/2002	10·24 51pm	EF Run	3.882	7 090	7635698.5070	700019.3815
0	0	0				3.5	Differential	10/17/2002	10·54 29pm	EF Run	3 674	6.537	7634434 7666	701104 7985
0	0	0		2 GOLDFISH RELEASED		3 5	Differential	10/17/2002	10·39·07pm	EF Run	3 783	4 120	7635370 7601	700248.3792
0	0	0				3 8	Differential	10/17/2002	11 26 13pm	EF Run	3.370	5 918	7635112 0136	697630 6193
0	0	0		2 GOLDFISH RELEASED		3 0	Differential	10/17/2002	11 14·07pm	EF Run	3 123	4.343	7631896 3581	697515 4397
0	0	0				4 0	Differential	10/17/2002	11 46·00pm	EF Run	3 513	5 185	7635911 3820	697107 8220
0	0	0				6 2	Differential	10/17/2002	11 35 56pm	EF Run	5 761	8 217	7632109 3533	697469 5255
0	0	0				3 4	Differential	10/17/2002	06 13·03pm	EF Run	3 766	4 941	7618317 2296	717327 6126
0	0	0				4 7	Differential	10/17/2002	06 39·02pm	EF Run	3 951	6 669	7615929 8624	717379 5833
0	0	0				4.2	Differential	10/17/2002	11 52 19pm	EF Run	3 336	5 417	7632229 9849	697273 7604
0	0	0		GOLDFISH		4.2	Differential	10/17/2002	12 06 21am	EF Run	3.300	5 534	7632592 6649	697142 1967
0	0	0				5 4	Differential	10/17/2002	06 31 26pm	EF Run	3 681	5.389	7617907 7446	716963 6884
0	0	0				4.3	Differential	10/17/2002	06 50 34pm	EF Run	3 991	8.303	7616242.3765	716847.3488
0	0	0				4 4	Differential	10/17/2002	06 47 25pm	EF Run	3 792	5.503	7618168 0906	716492 4379
0	0	0				6 2	Differential	10/17/2002	07 02 22pm	EF Run	3 452	13 320	7616531 6081	716102 0516
0	0	0				6 7	Differential	10/17/2002	07·00 22pm	EF Run	4 015	14 416	7618479 4523	715790 9018
0	0	0				7 9	Differential	10/17/2002	07 16 56pm	EF Run	6.303	17 551	7617092 1294	714904.2509
0	0	0				5 7	Differential	10/17/2002	07 15.37pm	EF Run	4 137	11 151	7618663 8997	715218 1378
0	0	0				4 4	Differential	10/17/2002	07.27 44pm	EF Run	2 965	7 077	7617329 4168	714242 3430
0	0	0				8 9	Differential	10/17/2002	07 44.33pm	EF Run	4.591	15 550	7618838.5973	714834 0031
0	0	0				4 6	Differential	10/17/2002	08·04 21pm	EF Run	5 049	6 402	7621226 9399	708065 8431
0	0	0		1 SHAD RELEASE		8.3	Differential	10/17/2002	07 59 16pm	EF Run	4 890	10 895	7619732 4712	714756.3402
0	0	0				4 7	Differential	10/17/2002	08 18·08pm	EF Run	4 725	5 166	7621620 4329	707623 6177
0	0	0				3 9	Differential	10/17/2002	08 14 57pm	EF Run	3 610	4 696	7619076.1000	714332 8898
0	0	0				7 1	Differential	10/17/2002	08.29·37pm	EF Run	4 786	11 175	7621949 4441	707079 8200
								NA	NA				7635966 6690	699767 5979
								NA	NA				7635966 6690	699767 5979
								NA	NA				7617271 0066	714500.2488
								NA	NA				7617092 1294	714904.2509
								NA	NA				7619942 5100	717051 5326
								NA	NA				7632596 018	700615 489
								NA	NA				7617272.576	723768.267
								NA	NA				7615793 764	717936 7904
								NA	NA				7616424.2297	716441 4165
								NA	NA				7618593 4209	715458 7650
								NA	NA				7620445.2891	714453 2947
0	0	0				4 1	Differential	10/18/2002	12 11 44pm	EF Run	3 652	6 450	7632427 9005	701732 7758
0	0	0				3 6	Differential	10/18/2002	12·07 40pm	EF Run	4.358	6 040	7635887 8178	699171 4714
0	0	0				5 6	Uncorrected	10/18/2002	03 56 34pm	EF Run	4 063	162.393	7616749 4475	715678 3220
0	0	0				4 1	Differential	10/18/2002	02 34 13pm	EF Run	3 596	5 908	7632588 7748	697167 1309
0	0	0				5 6	Differential	10/18/2002	04 10·51pm	EF Run	2 852	6 465	7617352 7875	714119 7543
0	0	0				5 5	Differential	10/18/2002	02 52 07pm	EF Run	4 020	9 551	7632851 3005	697000 4571
0	0	0				11.5	Differential	10/18/2002	04.39 07pm	EF Run	6 090	23 634	7621863 3691	707334 3378
0	0	0				2 6	Differential	10/18/2002	03 18 13pm	EF Run	2 828	4.319	7625002 4865	706390 8938
0	0	0				5 7	Differential	10/18/2002	04 58 17pm	EF Run	6 200	10 057	7622453 4649	706382 8178
0	0	0				5.2	Differential	10/18/2002	03.34 51pm	EF Run	3 088	6 927	7624757 7247	706488.3875
0	0	0				2 9	Differential	10/18/2002	04 16 41pm	EF Run	2 861	4 322	7619230 4209	714362 0883
0	0	0				4 4	Differential	10/18/2002	04 28 57pm	EF Run	2 856	6.378	7619335 8692	714746 9159
0	0	0				8 0	Differential	10/18/2002	04 41.34pm	EF Run	5 468	12 096	7618754 0781	715014 7058
0	0	0				5 9	Differential	10/18/2002	04.53.29pm	EF Run	5 790	8 936	7618614 0465	715395 5639
0	0	0				7 1	Uncorrected	10/18/2002	12.33.37pm	EF Run	78 883	162.393	7633226 6599	701918 6846
0	0	0				5.3	Differential	10/18/2002	12 20·36pm	EF Run	3 872	5 673	7636127.3231	698939 6278
0	0	0			LG SUCKER	6 2	Differential	10/18/2002	01·02 22pm	EF Run	4 790	9.239	7633665 2244	701788 0624
0	0	0				4 2	Uncorrected	10/18/2002	12 34.30pm	EF Run	156.385	162.393	7636557.3566	698579 1787

DRAFT DOCUMENT DO NOT QUOTE OR CITE

Table C-2 Fish Catch Coordinates

Area ID	Day key	Collector	EF date	EF time	Method	Objective	Seconds	Morts	Largescale	Largescal2	Carp rel	Carp kept	Smallmouth	Smallmout2	Sculpin re	Sculpin ke	B Bullhea	B bullhe2	Y Bullhea	Y Bullhe2	Piketminnow	Piketminno2	B crappie	B crappie2	Walleye re	Walleye ke	Peamouth r	Peamouth k	Lamprey re	Lamprey ke	Crayfish r	Crayfish k	Y Perch r	W crappie	Bluegill r	Peamouth 2	Pumpkinsee	Largemouth	Stucklebac	Sturgeon r	Juv Cobo r	Juv Steelh
08R010	EF4	CH	10/18/02	13 25	EF Boat	Target	364	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
08R010	EF4	BS	10/18/02	12 45	EF Boat	Target	502	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF5	CH	10/18/02	14 00	EF Boat	Target	520	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
08R010	EF5	BS	10/18/02	12 56	EF Boat	Target	511	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF6	CH	10/18/02	14 13	EF Boat	Target	554	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF6	BS	10/18/02	13 12	EF Boat	Target	535	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF7	CH	10/18/02	14.26	EF Boat	Target	722	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF7	BS	10/18/02	13.25	EF Boat	Target	524	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
04R023	EF8	CH	10/18/02	15.25	EF Boat	Target	525	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
09R006	EF8	BS	10/18/02	15.39	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF9	CH	10/18/02	15.39	EF Boat	Target	526	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
09R006	EF9	BS	10/18/02	14 19	EF Boat	Target	528	N	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	TL1	TS	10/18/02	10·15	Trot Line	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	TL2	TS/LW	10/18/02	10:30	Trot Line	Target		N	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	TL3	TS	10/18/02	11 44	Trot Line	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R005	TL4	TS	10/18/02	11 58	Trot Line	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R005	TL5	TS	10/18/02	12·03	Trot Line	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03R005	TL4	TS	10/18/02	11 58	Trot Line	Target																																				
03R005	TL5	TS	10/18/02	12·03	Trot Line	Target																																				
08R003	CT1	BC/AC	10/21/02	10·50	Crayfish Trap	Target										1																0										
06R024	TL3	BC/AC	10/21/02	12 30	Trot Line	Target																1																				
04R023	TL4	BC/AC	10/21/02	13·00	Trot Line	Target																		1																		
03R005	TL5	BC/AC	10/21/02	13 20	Trot Line	Target										1																0										
08R003	CT1	BC/IS	10/22/02	11 50	Crayfish Trap	Target																										3										
02R015	CT2	BC/IS	10/22/02	17 18	Crayfish Trap	Target																										2										
02R015	EB1A	JC/BC	10/22/02	11 17	EF Backpack	Target	489	N								1																0										
03R032	EB2A	JC/BC	10/22/02	12·00	EF Backpack	Target	584	N								1																										
08R001	EB5A	JC/BC	10/22/02	15·07	EF Backpack	Target	290	2								2																										
06R024	EF1	CH	10/22/02	11 46	EF Boat	Target	500	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF10	CH	10/22/02	15 11	EF Boat	Target	574	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF11	CH	10/22/02	15 41	EF Boat	Target	509	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF13	CH	10/22/02	16 19	EF Boat	Target	515	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF14	CH	10/22/02	16 35	EF Boat	Target	552	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF15	CH	10/22/02	16 51	EF Boat	Target	509	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
08R010	EF16	CH	10/22/02	17 11	EF Boat	Target	543	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF2	CH	10/22/02	11 59	EF Boat	Target	502	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF3	CH	10/22/02	12 16	EF Boat	Target	529	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF4	CH	10/22/02	12.35	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF5	CH	10/22/02	12 52	EF Boat	Target	534	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF6	CH	10/22/02	13·02	EF Boat	Target	574	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF7	CH	10/22/02	13.35	EF Boat	Target	507	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF8	CH	10/22/02	13 49	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06R024	EF9	CH	10/22/02	14 51	EF Boat	Target	531	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL1	BC/IS	10/22/02	11 10	Trot Line	Target												2						3																		
FZ0609	TL2	BC/IS	10/22/02	11 25	Trot Line	Target												4																								
03R005	TL3	BC/IS	10/22/02	14.30	Trot Line	Target										3																										
03R005	TL4	BC/IS	10/22/02	14 40	Trot Line	Target										6																										
03R002	TL5	BC/IS	10/22/02	16 15	Trot Line	Target										2																										
04R002	CT2	SJ/KG/LW	10/23/02	15 35	Crayfish Trap	Target																										1										
08R003	CT3	SJ/KG/LW	10/23/02	15.50	Crayfish Trap	Target																										2										
03R004	EB1A	IS/EA	10/23/02	11 35	EF Backpack	Target	1721	4					1		6	3															6	1										
06R002	EB1B	BC/DP	10/23/02	12·00	EF Backpack	Target	782	N								1																										
02R015	EB2A	IS/EA	10/23/02	13 42	EF Backpack	Target	1361	3								3																										
08R002	EB2B	BC/DP	10/23/02	12 50	EF Backpack	Target	1114	9								9																										
03R032	EB3A	IS/EA	10/23/02	14 42	EF Backpack	Target	1700	1					2			1															7						4					
08R001	EB3B	BC/DP	10/23/02	13 50	EF Backpack	Target	982	9								9																										
04R004	EB4A	IS/EA	10/23/02	16·00	EF Backpack	Target	1141	1					1		1																	1					1					
06R002	EB4B	BC/DP	10/23/02	14 40	EF Backpack	Target	559	4								4																										
08R003	EB5B	BC/DP	10/23/02	15 30	EF Backpack	Target	476	3								3																										
09R006	EF1	CH	10/23/02	13 54	EF Boat	Target	502	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF10	CH	10/23/02	14·07	EF Boat	Target	554	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
08R010	EF11	CH	10/23/02	14 26	EF Boat	Target	599	N	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0
08R010	EF12	CH	10/23/02	14 55	EF Boat	Target	512	N	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0
08R010	EF13	CH	10/23/02	19 43	EF Boat	Target	514	N	0	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF14	CH	10/23/02	20·03	EF Boat	Target	502	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF2	CH	10/23/02	14·07	EF Boat	Target	554	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
09R006	EF3	CH	10/23/02	14 26	EF Boat	Target	502	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF4	CH	10/23/02	14 55	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF5	CH	10/23/02	15 02	EF Boat	Target	511	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF6	CH	10/23/02	15 15	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF7	CH	10/23/02	15 29	EF Boat	Target	500	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF8	CH	10/23/02	15 45	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF9	CH	10/23/02	18 18	EF Boat	Target	503	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02R015	TL5	SJ/KG/LW	10/23/02	13 42	Trot Line	Target										4															1	1										
02R001	CT1	SJ/KG/LW	10/23/02	13 43	Crayfish Trap	Target																										2										
08R003	CT1	SJ/EF	10/24/02	10 50	Crayfish Trap	Target																										1										
08R001	CT2	SJ/EF	10/24/02	11 30	Crayfish Trap	Target																										2										
06R004	CT3	SJ/EF	10/24/02	11 55	Crayfish Trap	Target																																				
03R032	EB1B	BC/DP	10/24/02	11·00	EF Backpack	Target	372	2								2																						2				
04R004	EB2A	IS/EA	10/24/02	12·00	EF Backpack	Target	970	1					1			1																										
03R004	EB2B	BC/DP	10/24/02	11 15	EF Backpack	Target	485	6								6																										
05R001	EB3A	IS/EA	10/24/02	13 20	EF Backpack	Target	179	2					2			2															2						5					
04R003	EB3B	BC/DP	10/24/02	12·00	EF Backpack	Target	764	3					7		1	3															1											
08R001	EB5A	IS/EA	10/24/02	14 50	EF Backpack	Target	645	3					4			3															0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF1	CH	10/24/02	18 49	EF Boat	Target	535	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R009	EF10	CH	10/24/02	9·24	EF Boat	Target	653	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R009	EF11	CH	10/24/02	22 27	EF Boat	Target	575	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R009	EF12	CH	10/24/02	22 46	EF Boat	Target	551	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF13	CH	10/24/02	23 24	EF Boat	Target	500	N	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF14	CH	10/24/02	23 41	EF Boat	Target	633	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
08R010	EF15	CH	10/24/02	23 59	EF Boat	Target	601	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
04R023	EF2	CH	10/24/02	19·07	EF Boat	Target	538	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
04R023	EF3	CH	10/24/02	19 20	EF Boat	Target	555	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF4	CH	10/24/02	19:36	EF Boat	Target	628	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF5	CH	10/24/02	20·08	EF Boat	Target	570	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF6	CH	10/24/02	20:32	EF Boat	Target	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
04R023	EF7	CH	10/24/02	20·47	EF Boat	Target	615	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R023	EF8	CH	10/24/02	21·06	EF Boat	Target	483	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R009	EF9	CH	10/24/02	21 48	EF Boat	Target	520	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R003	TL1	SJ/EF	10/24/02	10·30	Trot Line	Target										1																										
09R006	E9	CH	10/25/02	13 37	EF Boat	Target	501	N	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R003	EB2	IS	10/25/02	11 50	EF Backpack	Target	1398	1					7		1	1																				5						
08R003	EB3	IS	10/25/02	14 20	EF Backpack	Target	1531	6								6																										
09R006	EF10	CH	10/25/02	13 55	EF Boat	Target	501	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Juv Sp Chk	Juv Fl Chk	Juv Fl Chk2	Cutthroat	Other Fish	Comment	Max PDOP	Corr type	GPS Date	GPS Time	Std dev	Horz prec	Point id	X	Y
0	0	0				5 3	Differential	10/18/2002	01 25 44pm	EF Run	3 798	10 870	7634446 5435	701106.3692
0	0	0				4.8	Uncorrected	10/18/2002	12 45·06pm	EF Run	8 899	162.393	7636933 0666	698760 1331
0	0	0				5 8	Differential	10/18/2002	02·00·25pm	EF Run	3 920	13 236	7635830 1805	697175 9578
0	0	0				3 6	Differential	10/18/2002	12 56 23pm	EF Run	3 776	5 918	7636609 9525	699287 9210
0	0	0				3 0	Differential	10/18/2002	02 13 57pm	EF Run	3 004	4 418	7636218 8598	696923.5211
0	0	0				7 2	Differential	10/18/2002	01 12 47pm	EF Run	4.562	15.511	7636235 6089	699533.3535
0	0	0			STFL	4 1	Differential	10/18/2002	02 26 30pm	EF Run	3.595	5 886	7636796 0606	696585 4982
0	0	0				5 0	Differential	10/18/2002	01 25 12pm	EF Run	4 542	8 025	7635592.9219	700103 0792
0	0	0				4 8	Differential	10/18/2002	03 25·08pm	EF Run	3 106	5 665	7615935 9902	717409.2369
0	0	0				3 3	Differential	10/18/2002	01 53 28pm	EF Run	4 776	5 815	7631994 7611	697592 7262
0	0	0				4.2	Differential	10/18/2002	03.39 16pm	EF Run	3 154	5.366	7616279 1223	716747.5922
0	0	0				5 6	Differential	10/18/2002	02 19·07pm	EF Run	3 755	9 948	7632223 7673	697272.8591
0	0	0				3 4	Differential	10/18/2002	11 15 48am	Sample Site			7636307 0854	699492.3592
0	0	0				3 0	Differential	10/18/2002	11 31 15am	Sample Site			7635966.6690	699767.5979
0	0	0				5 0	Differential	10/18/2002	12 44·08pm	Sample Site			7619348 9948	713710 8757
0	0	0				5.2	Differential	10/18/2002	12 58·04pm	Sample Site			7619556 1735	717268 4505
0	0	0				5 1	Differential	10/18/2002	NA	Sample Site			7619910 0713	717063 4127
								NA	NA				7619857 473	717015 696
								NA	NA				7619857 473	717015 696
								NA	NA				7632596 018	700615 489
								NA	NA				7623647 1666	707164 5056
								NA	NA				7616404 4169	716692 6426
								NA	NA				7619942.5100	717051 5326
								NA	NA				7632596.018	700615 489
								NA	NA				7617272.576	723768.267
								NA	NA				7617272.576	723768 267
								NA	NA				7616424.2297	716441 4165
								NA	NA				7631883.3901	697562 0073
0	0	0				4 3	Differential	10/22/2002	11 46 53am	EF Run	3 924	6 905	7624079 0199	706980 8490
0	0	0				3 4	Differential	10/22/2002	03 11 14pm	EF Run	2 982	4 074	7621431.5297	707857 4661
0	0	0				7 1	Differential	10/22/2002	03 41 57pm	EF Run	3 482	10 549	7633493 7352	701694 1317
0	0	0				5 6	Differential	10/22/2002	04 19 32pm	EF Run	3 476	9.361	7634498.7333	701056.2401
0	0	0				5 8	Differential	10/22/2002	04 35 34pm	EF Run	4 656	8 967	7635779 0144	699946.8880
0	0	0				4 7	Differential	10/22/2002	04 51.37pm	EF Run	4 323	9 125	7636122 4942	698965.3680
0	0	0				5.2	Differential	10/22/2002	05 11 01pm	EF Run	3 301	7 043	7635788 4408	699243 9402
0	0	0				3 8	Differential	10/22/2002	11 59·52am	EF Run	3 601	5 530	7624750.2667	706510 6793
0	0	0				4 7	Uncorrected	10/22/2002	12 16 48pm	EF Run	31 630	162 393	7625488 0640	706102 0974
0	0	0				8 3	Differential	10/22/2002	12 35 44pm	EF Run	4.521	8 811	7626476 4016	705815 3196
0	0	0				5 1	Differential	10/22/2002	12 52 25pm	EF Run	3 538	5.222	7627127 1512	705693 2310
0	0	0				7.3	Differential	10/22/2002	01·02 45pm	EF Run	4 230	9 144	7627316 6686	705341 1957
0	0	0				3.2	Differential	10/22/2002	01 35 19pm	EF Run	4 517	5 832	7626041 7837	704367 7618
0	0	0				3 7	Differential	10/22/2002	01 49 28pm	EF Run	3 602	5 038	7625436 4421	704853 0007
0	0	0				3 6	Differential	10/22/2002	02 51·09pm	EF Run	3.216	6 727	7620683 6907	709122 1436
								NA	NA				7636500 178	699344 711
								NA	NA				7636732 804	699132.503
								NA	NA				7619942.5100	717051.5326
								NA	NA				7619942 5100	717051.5326
								NA	NA				7615793 764	717936 7904
								NA	NA				7620498 4850	713333 5569
								NA	NA				7632596.018	700615 489
								NA	NA				7618593 4209	715458 7650
								NA	NA				7627272 025	705322 597
								NA	NA				7617272 576	723768 267
								NA	NA				7630058 6538	699843.3593
								NA	NA				7616424.2297	716441 4165
								NA	NA				7631883.3901	697562 0073
								NA	NA				7618227 853	712179 9478
								NA	NA				7627272 025	705322.597
								NA	NA				7632596 018	700615 489
0	0	0				4 8	Differential	10/23/2002	01 54 58pm	EF Run	3 692	6 326	7634095 7721	698561.2411
0	0	0				9 7	Differential	10/23/2002	06 31 16pm	EF Run	4 113	12 774	7633830 0809	701609 0588
0	0	0				9 1	Differential	10/23/2002	06 47·06pm	EF Run	3 887	15 132	7634466 8437	701091 7109
0	0	0				4 9	Differential	10/23/2002	07 24 30pm	EF Run	4 032	6 861	7636947 7117	698802 5343
0	0	0				8.3	Differential	10/23/2002	07 43.39pm	EF Run	4 320	14 606	7636674 9675	698460 8842
0	0	0				5 1	Differential	10/23/2002	08·03·08pm	EF Run	4 537	7 859	7636298 9006	698827 1950
0	0	0				6 3	Differential	10/23/2002	02 07·06pm	EF Run	4 000	14 830	7634731.2338	697981 2829
0	0	0				5 8	Differential	10/23/2002	02 26·07pm	EF Run	3.332	7 848	7635687 2445	697271 1969
0	0	0				5.2	Differential	10/23/2002	02 55.35pm	EF Run	4.272	8 002	7635920 4360	695315 4843
0	0	0				3 7	Differential	10/23/2002	03·02 46pm	EF Run	4 507	6 825	7634534 7729	696192 4053
0	0	0				3 1	Differential	10/23/2002	03 15 55pm	EF Run	3 134	4 271	7634061 8593	696477 0714
0	0	0				10 1	Differential	10/23/2002	03 29 46pm	EF Run	3 450	16 166	7633413 0507	696776.3562
0	0	0				3 6	Differential	10/23/2002	03 45 33pm	EF Run	2 937	5 282	7632586.7061	697190 8702
0	0	0				4.3	Differential	10/23/2002	06 18 34pm	EF Run	3 606	5 478	7632589.5039	701819 4085
								NA	NA				7617272.576	723768 267
								NA	NA				7617129 658	723415.2723
								NA	NA				7632596 018	700615 489
								NA	NA				7631883 3901	697562 0073
								NA	NA				7626197 5951	704173 3491
								NA	NA				7616424 2297	716441 4165
								NA	NA				7618227 853	712179 9478
								NA	NA				7618593 4209	715458 7650
								NA	NA				7620977 7107	710436 3630
								NA	NA				7620445.2891	714453.2947
								NA	NA				7631883.3901	697562 0073
0	0	0				8 4	Differential	10/24/2002	06 49 37pm	EF Run	3 256	17 787	7618018 3940	717374 1866
0	0	0				7 7	Differential	10/24/2002	10·06 16pm	EF Run	4.392	10 018	7626338 8732	705900 4095
0	0	0				6.3	Differential	10/24/2002	10 27 13pm	EF Run	3 733	9 506	7626987 0545	705814 1122
0	0	0				3 7	Differential	10/24/2002	10·46 43pm	EF Run	3 221	7 090	7628221 8150	704593 8232
0	0	0				3 7	Differential	10/24/2002	11 24.35pm	EF Run	3 368	4.555	7632294 0537	701708 8822
0	0	0				4 5	Differential	10/24/2002	11 41·08pm	EF Run	3 489	5 994	7632779 9752	701930.3022
0	0	0				7.3	Differential	10/24/2002	11 59 16pm	EF Run	3 813	6 118	7633712 1538	701706 5175
0	0	0				9 5	Differential	10/24/2002	07·07 19pm	EF Run	4 431	22 620	7618418 2216	717331 1874
0	0	0				4 8	Differential	10/24/2002	07 20·56pm	EF Run	4 573	6 911	7618938 9571	717328 3506
0	0	0				4 4	Differential	10/24/2002	07 36 29pm	EF Run	4 597	6.312	7619412 6627	717278 9095
0	0	0				5 8	Differential	10/24/2002	08·08·09pm	EF Run	5 182	11 233	7618699.5123	715120 0766
0	0	0				5 7	Differential	10/24/2002	08 32 56pm	EF Run	3.369	5 660	7619140 1039	714755.3955
0	0	0				5 8	Differential	10/24/2002	08 47·06pm	EF Run	3 879	6 430	7619692 0241	714349 1749
0	0	0				11.8	Differential	10/24/2002	09·06.53pm	EF Run	4 104	10 499	7619094 1904	714269 7918
0	0	0				6 4	Differential	10/24/2002	09 48.27pm	EF Run	4 280	6 642	7625870 6447	706008 5298
								NA	NA				7632596 018	700615 489
0	0	0	STARRY FLOUNDER			2 7	Differential	10/25/2002	01 37 32pm	EF Run	2 892	3.591	7636877 7302	696526 7882
								NA	NA				7620445.2891	714453.2947
								NA	NA				7632596 018	700615 489
0	0	0				3 8	Differential	10/25/2002	01.55 40pm	EF Run	2 931	7.734	7637623 9816	696062 9917

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Table C-2 Fish Catch Coordinates

Area_ID	Day_key	Collector	EF_date	EF_time	Method	Objective	Seconds	Morts	Largescale	Largescal2	Carp_rel	Carp_kept	Smallmouth	Smallmout2	Sculpin_re	Sculpin_ke	B Bullhea	B bullhe2	Y Bullhe	Y Bullhe2	Piketunnow	Piketunno2	B crappie	B crappi2	Walleye_re	Walleye_ke	Peamouth_r	Peamouth_k	Lamprey_re	Lamprey_ke	Crayfish_r	Crayfish_k	Y Perch_r	W crappie	Bluegill_r	Peamouth_2	Pumpkinsee	Largemouth	Sucklebac	Sturgeon_r	Juv Coho_r	Juv Steelh
09R006	EF11	CH	10/25/02	14 20	EF Boat	Target	511	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF16	CH	10/25/02	0 23	EF Boat	Target	616	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF17	CH	10/25/02	0·40	EF Boat	Target	503	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
09R006	EF5	CH	10/25/02	12 21	EF Boat	Target	527	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF6	CH	10/25/02	12 41	EF Boat	Target	736	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF7	CH	10/25/02	13·00	EF Boat	Target	541	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09R006	EF8	CH	10/25/02	13 23	EF Boat	Target	509	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R003	TL2	SN/KG	10/25/02	10·42	Trot Line	Target										3																										
FZ0306	TL4	SN/KG	10/25/02	11 40	Trot Line	Target																		1																		
09R001	TL5	SN/KG	10/25/02	15 12	Trot Line	Target												1																								
FZ0609	AG1	BC/TSt	10/28/02	18 10	Angling	Target		1																1																		
08R010	BS1	TS	10/28/02	20 50	Beach Seine	Target		N	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	1	0	0	0	7	0	0	0	66	0	0	0
07R009	BS2	BE	10/28/02	21 13	Beach Seine	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	5	0	0	0
07R009	BS3	BE	10/28/02	21 31	Beach Seine	Target		N	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4	0	0	0
05R006	BS4	BE	10/28/02	22·02	Beach Seine	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	46	0	0	0
05R006	BS5	BE	10/28/02	22.23	Beach Seine	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	1	0	0	0
03R014	BS6	BE	10/28/02	22.51	Beach Seine	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	99	0	0	0	0	0	99	0	0	0
03R014	BS7	BE	10/28/02	23 12	Beach Seine	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	42	0	0	0	0	0	15	0	0	0
03R014	BS8	BE	10/28/02	23 30	Beach Seine	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	31	0	0	0	0	0	13	0	0	0
03R014	BS9	BE	10/28/02	23 45	Beach Seine	Target		N	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	1	0	99	0	0	0	0	0	99	0	0	0
04R004	CT1	SP/KG	10/28/02	12 52	Crayfish Trap	Target																										1										
06R004	CT2	SP/KG	10/28/02	14 05	Crayfish Trap	Target																										2										
FZ0306	AG1	BC	10/29/02	16 40	Angling	Target		N																																		
FZ0306	AG3	BC	10/29/02	18 00	Angling	Target		N																																		
FZ0306	AG2	BC	10/29/02	17 40	Angling	Target																		1																		
FZ0306	AG4	BC	10/29/02	18 15	Angling	Target																		1																		
FZ0306	AG5	BC	10/29/02	18 50	Angling	Target																		1																		
FZ0306	AG6	BC	10/29/02	21·05	Angling	Target																		1																		
FZ0306	AG7	BC	10/29/02	21 10	Angling	Target																		1																		
FZ0306	AG8	BC	10/29/02	21 55	Angling	Target																		1																		
FZ0306	AG9	BC	10/29/02	22 20	Angling	Target																		1																		
03R014	BS10	BE	10/29/02	0·08	Beach Seine	Target		N	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	76	0	1	0	0	0	63	0	0	0
03R014	BS11	BE	10/29/02	0·26	Beach Seine	Target		N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	64	0	1	0	0	0	22	0	0	0
06R004	CT2	SP/KG	10/29/02	15 28	Crayfish Trap	Target																										4										
04R003	TL1	SP/KG	10/29/02	11·06	Trot Line	Target										2																										
04R004	TL2	SP/KG	10/29/02	12 11	Trot Line	Target																																				
04R004	CT1	SP/KG	10/29/02	12 45	Crayfish Trap	Target										7																										
FZ0306	AG1	BC/TSt	10/30/02	18 15	Angling	Target		N															1																			
FZ0306	AG5	BC/TSt	10/30/02	20·00	Angling	Target		N															1																			
FZ0306	AG2	BC/TSt	10/30/02	19·05	Angling	Target		1																1																		
FZ0306	AG6	BC/TSt	10/30/02	20·50	Angling	Target		1																1																		
FZ0306	AG4	BC/TSt	10/30/02	19.20	Angling	Target		1																1																		
FZ0306	AG7	BC/TSt	10/30/02	21·00	Angling	Target		1																1																		
FZ0306	AG3	BC/TSt	10/30/02	19·15	Angling	Target		1																1																		
06R004	CT1	AW/SP	10/30/02	9 42	Crayfish Trap	Target																										8										
09R003	TL3	AW/SP	10/30/02	15 00	Trot Line	Target			0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0306	AG1	BC/TSt	10/31/02	17 25	Angling	Target																		1																		
03R014	BS11	TS	10/31/02	19.25	Beach Seine	Target																						1														
04R004	CT1	DP/EA	10/31/02	15.25	Crayfish Trap	Target																										1										
08R003	TL1	DP/EA	10/31/02	10·00	Trot Line	Target			0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04R004	CT1	EA	11/1/02	10·30	Crayfish Trap	Target																										2										
09R001	CT4	EA	11/1/02	15·00	Crayfish Trap	Target																									1	2										
08R003	EB2A	EA	11/1/02	12 20	EF Backpack	Target	1220	2								2																										
08R003	EB3A	EA	11/1/02	14 22	EF Backpack	Target	1422	1								1																										
05R006	TL2	EA	11/1/02	10·00	Trot Line	Target																						1														
09R006	TL3	EA	11/1/02	11 15	Trot Line	Target																1																				
FZ0609	AG1A	BC/TSt	11/4/02	19 10	Angling	Target		1																1																		
FZ0609	AG1B	IS/SS	11/4/02	22 26	Angling	Target		1																1																		
FZ0609	AG2A	BC/TSt	11/4/02	22 10	Angling	Target		1																1																		
08R010	EF1	BE	11/4/02	19 43	EF Boat	Target	590	N	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R009	EF10	BE	11/4/02	22 18	EF Boat	Target	520	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF11	BE	11/4/02	22 48	EF Boat	Target	615	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF12	BE	11/4/02	23 13	EF Boat	Target	565	N	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05R006	EF13	BE	11/4/02	23.39	EF Boat	Target	503	N	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
07R009	EF14	BE	11/4/02	23 53	EF Boat	Target	550	N	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08R010	EF2	BE	11/4/02	19 46	EF Boat	Target	510	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
08R010	EF3	BE	11/4/02	20 22	EF Boat	Target	598	N	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R009	EF4	BE	11/4/02	20·49	EF Boat	Target	535	N	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R009	EF5	BE	11/4/02	21·01	EF Boat	Target	509	N	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R009	EF6	BE	11/4/02	21 19	EF Boat	Target	511	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R009	EF7	BE	11/4/02	21 30	EF Boat	Target	503	N	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R009	EF8	BE	11/4/02	21 41	EF Boat	Target	657	N	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R009	EF9	BE	11/4/02	21 58	EF Boat	Target	480	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	AG1	BC/TSt	11/5/02	18 30	Angling	Target		1																1																		
FZ0609	AG2	BC/TSt	11/5/02	18 35	Angling	Target		1																1																		
FZ0609	AG3	BC/TSt	11/5/02	19·00	Angling	Target		1																1																		
FZ0609	AG4	BC/TSt	11/5/02	21 30	Angling	Target		1																1																		
09R003	CT1	SJ	11/5/02	8 30	Crayfish Trap	Target																									65	9	0									
08R002	EB1	IS	11/5/02	14·05	EF Backpack	Target	3205	8					36		5	8																			3							
07R009	EF15	BE	11/5/02	21 41	EF Boat	Target	622	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FZ0609	TL3	SJ	11/5/02	14 25	Trot Line	Target									1	4		1																								
FZ0609	AG1	BC	11/6/02	18 15	Angling	Target																		1																		
FZ0609	AG2	BC	11/6/02	18 50	Angling	Target																		1																		
FZ0609	AG4	BC	11/6/02	18 55	Angling	Target																		1																		
FZ0609	AG5	BC	11/6/02	19 30	Angling	Target																		1																		
FZ0609	AG6	BC	11/6/02	19·45	Angling	Target																		1																		
FZ0609	AG7	BC	11/6/02	20·25	Angling	Target																		1																		
FZ0609	AG8	BC	11/6/02	21 50	Angling	Target																		1																		
08R001	CT1	EA	11/6/02	9 25	Crayfish Trap	Target																										1										
07R003	CT2	EA	11/6/02	9 30	Crayfish Trap	Target																										1										
07R004	CT3	EA	11/6/02	9 50	Crayfish Trap	Target																										1										
07R006	EF1	BE	11/6/02	18 45	EF Boat	Target	550	N	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R006	EF10	BE	11/6/02	20·39	EF Boat	Target	579	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R006	EF11	BE	11/6/02	21 11	EF Boat	Target	545	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R006	EF12	BE	11/6/02	21 13	EF Boat	Target	594	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R006	EF13	BE	11/6/02	21 29	EF Boat	Target	491	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R006	EF14	BE	11/6/02	21 47	EF Boat	Target	564	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R006	EF15	BE	11/6/02	22 14	EF Boat	Target	409	N	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R006	EF16	BE	11/6/02	22.22	EF Boat	Target	685	N	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
07R006	EF2	BE	11/6/02	18 55	EF Boat	Target	490	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R006	EF3	BE	11/6/02	19·08	EF Boat	Target	548	N	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R006	EF4	BE	11/6/02	19·20	EF Boat	Target	502	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R006	EF5	BE	11/6/02	19 34	EF Boat	Target	543	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R006	EF6	BE	11/6/02	19 47	EF Boat	Target	497	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Juv Sp Chk	Juv Fl Chk	Juv Fl Chk2	Cutthroat	Other Fish	Comment	Max PDOP	Corr type	GPS Date	GPS Time	Std dev	Horz prec	Point id	X	Y
0	0		0			5 8	Differential	10/25/2002	02 20 10pm	EF Run	4 624	8 485	7636708 9297	694863 5240
0	0		0			8 7	Differential	10/25/2002	12 23.57am	EF Run	3 243	7.241	7634461.3027	701096 8421
0	0		0			6.2	Uncorrected	10/25/2002	12 40 24am	EF Run	51 413	162.393	7636988 6637	698796 4850
0	0		0			11.3	Differential	10/25/2002	12 21 21pm	EF Run	6 266	19 073	7633890 4583	698537.2004
0	0		0			4 1	Differential	10/25/2002	12 41 07pm	EF Run	3 921	7 999	7634548 9541	698047 4107
0	0		0			5.2	Differential	10/25/2002	01 00 00pm	EF Run	2 809	6.926	7631960 1452	697614.3390
0	0		0			3 2	Differential	10/25/2002	01 23 20pm	EF Run	2 898	4 744	7636189 8745	696966 0562
								NA	NA				7628534 404	701735 912
								NA	NA				7619736.5259	713106 6040
								NA	NA				7636732 804	699132 503
								NA	NA				7636201.8446	698934 6370
0	0		0	15KILI,2SHAD,1GFISH		5 1	Differential	10/28/2002	08 50 36pm	Sample Site	0 000	0 000	7636976.3998	699028 1194
0	2		0	1CRAP 1GFISH,9KILI		4.3	Differential	10/28/2002	09 13.36pm	Sample Site	0 000	0 000	7626523 6674	703770.5429
0	1		0	3CRAP,1KILI		5 9	Differential	10/28/2002	09.31 12pm	Sample Site	0 000	0 000	7626498 8410	703881 4402
0	0		0	1SHAD,2CRAP		4 4	Differential	10/28/2002	10 02 29pm	Sample Site	0 000	0 000	7620922.0130	710581 1124
0	0		0	12CRAP		4.5	Differential	10/28/2002	10 23.50pm	Sample Site	0 000	0 000	7618761.6378	711430.3874
0	1		0	7SHAD 1CRAP,2SANDROLL		2 7	Differential	10/28/2002	10 51 40pm	Sample Site	0 000	0 000	7617177.3250	718695 0819
0	0		0	8SHAD		3 0	Differential	10/28/2002	11 12 49pm	Sample Site	0 000	0 000	7617126.2654	718790.2968
0	0		0			4 5	Uncorrected	10/28/2002	11 27.53pm	Sample Site	0 000	0 000	7617069.5696	718920 1912
0	0		0	2GFISH 7SHAD 1CRAP		2 6	Uncorrected	10/28/2002	11 45 45pm	Sample Site	0 000	0 000	7617061 3064	719159 3067
								NA	NA				7618227 853	712179 9478
								NA	NA				7626197.5951	704173.3491
								NA	NA				NA	NA
								NA	NA				NA	NA
								NA	NA				7620229 6108	713425.3335
								NA	NA				7620045 6026	713455 0495
								NA	NA				7620045 6026	713455 0495
								NA	NA				7619748.3754	713493 5547
								NA	NA				7619748.3754	713493.5547
								NA	NA				7619427 5199	713546 2267
								NA	NA				7619427 5199	713546 2267
0	1		0	1SHAD 1SANDROLL,1GFISH,1CRAP		3 1	Uncorrected	10/29/2002	12 08 44am	Sample Site	0 000	0 000	7617014 6026	719170 0796
0	0		0	2SHAD 1EUPH 1CRAP		3 7	Uncorrected	10/29/2002	12.26 20am	Sample Site	0 000	0 000	7616961.8352	719225 7907
								NA	NA				7626197.5951	704173.3491
								NA	NA				7620445.2891	714453 2947
								NA	NA				7618227 853	712179 9478
								NA	NA				7618227 853	712179 9478
								NA	NA				NA	NA
								NA	NA				NA	NA
								NA	NA				7619748.3754	713493.5547
								NA	NA				7619427.5199	713546.2267
								NA	NA				7619748 3754	713493.5547
								NA	NA				7619427 5199	713546.2267
								NA	NA				7619748.3754	713493 5547
								NA	NA				7626197.5951	704173.3491
0	0		0			0 0		10/30/2002	3 00pm	Sample Site	0 000	0 000	7637524 2003	694187 8368
								NA	NA				7620045 6026	713455 0495
								NA	NA				7617114 2174	718848.3729
								NA	NA				7618227 853	712179 9478
0	0		0		Inserted Based on Field Notes	0 0		10/31/2002	12 00		0 000	0 000	7632728 6069	700570 5931
								NA	NA				7618227 853	712179 9478
								NA	NA				7636498 6432	698627 8956
								NA	NA				7632596 018	700615 489
								NA	NA				7632596 018	700615 489
								NA	NA				7619736 5259	713106 6040
								NA	NA				7637520 0169	694191 1158
								NA	NA				7635228 7034	699674 3625
								NA	NA				7634121 2576	700620 7979
								NA	NA				7635228 7034	699674 3625
0	0		0			3.5	Differential	11/4/2002	07 43.27pm	EF Run	4 430	6.326	7636945 5719	698940 8742
0	0		0			4 7	Uncorrected	11/4/2002	10 18 19pm	EF Run	15.204	162 393	7627818 7930	702525 7614
0	0		0			2 8	Differential	11/4/2002	10 48 35pm	EF Run	3 599	3 953	7621540.3646	709512 8781
0	0		0			3 5	Uncorrected	11/4/2002	11 13.53pm	EF Run	4 581	162.393	7620825 0679	710784 9909
0	0		0			3 4	Differential	11/4/2002	11 26 33pm	EF Run	3 290	5 236	7620425 7290	711496.8634
0	0		0			3 8	Differential	11/4/2002	11 53 41pm	EF Run	3 270	4 144	7625500 8236	704727 1660
0	0		0			5 7	Differential	11/4/2002	07 46 31pm	EF Run	3 944	8 952	7636774 8065	699158 0659
0	0		0	3 PM KEPT		4 5	Differential	11/4/2002	08 07 51pm	EF Run	4 199	7 619	7632718 6373	701899 0249
0	0		0			4 9	Differential	11/4/2002	08 49 00pm	EF Run	3 874	4 224	7626882.3922	703424 0499
0	0		0			5 9	Differential	11/4/2002	09 01 53pm	EF Run	3 810	6 487	7626141.5303	704280 4668
0	0		0			4 1	Differential	11/4/2002	09 19 01pm	EF Run	3 416	5.893	7625752.4513	706049.5150
0	0		0			4 4	Differential	11/4/2002	09.30 24pm	EF Run	3 621	4 933	7626289 7211	705943 1013
1	0		0			5 0	Differential	11/4/2002	09 41 52pm	EF Run	3.594	5 107	7627199.5535	705648 0853
0	0		0			5 8	Differential	11/4/2002	09 58 04pm	EF Run	3 644	8.347	7628418 1922	703799 1782
								NA	NA				7635509 1060	699499 6404
								NA	NA				7635323 6742	699639 4306
								NA	NA				7635509 1060	699499 6404
								NA	NA				7635323 6742	699639 4306
								NA	NA				7637535 0118	694153.3922
					1 KILFISH			NA	NA				7630058 6538	699843 3593
0	1		0			5 4	Differential	11/5/2002	09 41.52pm	EF Run	3 938	6 304	7626470 6091	703899 4122
								NA	NA				7632728 6069	700570 5931
								NA	NA				7635323 6742	699639 4306
								NA	NA				7635323 6742	699639 4306
								NA	NA				7635323 6742	699639 4306
								NA	NA				7635323 6742	699639 4306
								NA	NA				7635323 6742	699639 4306
								NA	NA				7635323 6742	699639 4306
								NA	NA				7635323 6742	699639 4306
								NA	NA				7631883 3901	697562 0073
								NA	NA				7628527 331	701634 5207
								NA	NA				7628848 043	703848.2372
0	0		0			3.5	Differential	11/6/2002	06 45 33pm	EF Run	3 969	4 509	7628830 0294	704206 9556
0	0		0			5 1	Differential	11/6/2002	08 39 17pm	EF Run	3 307	5 561	7627388 4207	705750 8708
0	0		0			6.3	Differential	11/6/2002	08 58 30pm	EF Run	3 828	7.332	7626359 7288	703997.2008
0	0		0			2 7	Differential	11/6/2002	09 13 13pm	EF Run	2 694	3 125	7626895 0665	703292 0357
0	0		0			9.3	Differential	11/6/2002	09.29 23pm	EF Run	3 937	12.222	7626328 8282	704034 9620
0	0		0			4 5	Uncorrected	11/6/2002	09 47 06pm	EF Run	52 015	162 393	7628090 0779	702386 0291
0	0		0			3 1	Differential	11/6/2002	10 00 44pm	EF Run	3 165	4 409	7627703.3644	702574 8671
1	0		0			4 1	Uncorrected	11/6/2002	10.22 25pm	EF Run	28 001	162 393	7629340 6485	703426 6316
0	6		0			4.2	Differential	11/6/2002	06 55 42pm	EF Run	3 865	4 676	7628173 6915	704676.5381
3	0		0			3 9	Differential	11/6/2002	07 08 28pm	EF Run	3 628	5 861	7627891 2756	704647 0606
0	0		0			3 3	Differential	11/6/2002	07 20 51pm	EF Run	3 904	4 135	7627468 4145	704865.3661
2	0		0			3.5	Differential	11/6/2002	07.34 59pm	EF Run	3.312	6 346	7625910 6593	704438 8389
2	0		0			4 0	Differential	11/6/2002	07 47 26pm	EF Run	3.306	7 400	7625098 7481	704949 9197

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Table C-2 Fish Catch Coordinates

Area ID	Day key	Collector	EF date	EF time	Method	Objective	Seconds	Morts	Largescale	Largescal2	Carp rel	Carp kept	Smallmouth	Smallmout2	Sculpin re	Sculpin ke	B Bullhea	B bullhe2	Y Bullhea	Y Bullhe2	Pikeminnow	Pikeminno2	B crappie	B crappi2	Walleye re	Walleye ke	Peamouth r	Peamouth k	Lamprey re	Lamprey ke	Crayfish r	Crayfish k	Y Perch r	W crappie	Bluegill r	Peamouth 2	Pumpkinsee	Largemouth	Stucklebac	Sturgeon r	Juv Coho r	Juv Steelh
07R006	EF7	BE	11/6/02	20:11	EF Boat	Target	560	N	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R006	EF8	BE	11/6/02	20:14	EF Boat	Target	529	N	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07R006	EF9	BE	11/6/02	20:32	EF Boat	Target	634	N	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
08R003	TL1	SJ	11/6/02	10:30	Trot Line	Target		5								5	1																									
07R006	EB1A	EA/DP	11/7/02	11:30	EF Backpack	Target	1776	1								1																										
04R003	TL1	EA	11/7/02	13:30	Trot Line	Target										1																										
07R006	CT	EA	11/8/02	9:00	Crayfish Trap	Target																										3										
07R006	TL	EA	11/8/02	9:19	Trot Line	Target										3																										
02R001	TL	EA	11/8/02	7:30	Trot Line	Target										2																										
07R006	CT1	IS/BC/TS:	11/9/02	11:25	Crayfish Trap	Target																										1										
07R006	TL1	IS/BC/TS:	11/9/02	12:05	Trot Line	Target										1																										
07R006	TL2	IS/BC/TS:	11/9/02	12:15	Trot Line	Target										5																										
07R006	CT1	IS/BC/TS:	11/10/02	8:50	Crayfish Trap	Target										2																8										
07R006	TL1	IS/BC/TS:	11/10/02	9:10	Trot Line	Target										3																										
02R001	TL2	IS/BC/TS:	11/10/02	10:10	Trot Line	Target										8																										
02R001	TL4	IS/BC/TS:	11/10/02	10:30	Trot Line	Target										3																										
03R004	EB1A	IS/EA	10/24/02	10:30	EF Backpack	Target	2197	1																																		
07R003	EB4A	IS/EA	10/24/02	14:40	EF Backpack	Target	1067	N					2		2																											
04R004	EB1	IS	10/25/02	11:20	EF Backpack	Target	669	N					1		1																							1				
08R010	BS1	TS	10/29/02	14:55	Beach Seine	Target																																1				
08R010	BS2	TS	10/29/02	15:03	Beach Seine	Target																																				
07R009	BS3	TS	10/29/02	15:25	Beach Seine	Target																																				
07R009	BS4	TS	10/29/02	15:50	Beach Seine	Target																																				
07R009	BS5	TS	10/29/02	16:00	Beach Seine	Target																																				
07R009	BS6	TS	10/29/02	16:20	Beach Seine	Target							1																													
07R009	BS7	TS	10/29/02	16:35	Beach Seine	Target																																				
07R009	BS8	TS	10/29/02	16:45	Beach Seine	Target																																				
07R009	BS9	TS	10/29/02	16:55	Beach Seine	Target									3												2															
05R006	BS10	TS	10/29/02	17:45	Beach Seine	Target																																				
05R006	BS11	TS	10/29/02	18:05	Beach Seine	Target																																				
03R014	BS12	TS	10/29/02	18:55	Beach Seine	Target									3								1				3						44						17			
03R014	BS13	TS	10/29/02	19:15	Beach Seine	Target																											3						12			
03R014	BS14	TS	10/29/02	19:31	Beach Seine	Target									5												1						25						21			
03R014	BS15	TS	10/29/02	19:40	Beach Seine	Target																					1						36						38			
03R014	BS16	TS	10/29/02	20:00	Beach Seine	Target									2								2				3						39						82			
03R014	BS17	TS	10/29/02	20:15	Beach Seine	Target									1								1				1						8						30			
08R010	BS1	TS	10/30/02	15:20	Beach Seine	Target																																				
08R010	BS2	TS	10/30/02	15:33	Beach Seine	Target																																1	3			
08R010	BS3	TS	10/30/02	15:48	Beach Seine	Target																																				
03R014	BS4	TS	10/30/02	16:10	Beach Seine	Target																																				
03R014	BS5	TS	10/30/02	16:18	Beach Seine	Target									1																								1			
03R014	BS6	TS	10/30/02	16:25	Beach Seine	Target																																1				
03R014	BS7	TS	10/30/02	16:35	Beach Seine	Target																																				
03R014	BS8	TS	10/30/02	16:43	Beach Seine	Target																																				
03R014	BS9	TS	10/30/02	16:55	Beach Seine	Target																																	1			
03R014	BS10	TS	10/30/02	17:10	Beach Seine	Target									1																											
03R014	BS11	TS	10/30/02	17:20	Beach Seine	Target																					1												1			
03R014	BS12	TS	10/30/02	17:35	Beach Seine	Target																	8				3	1					41									
03R014	BS13	TS	10/30/02	18:05	Beach Seine	Target																											2						2			
03R014	BS14	TS	10/30/02	18:15	Beach Seine	Target																											1						33			
03R014	BS15	TS	10/30/02	18:25	Beach Seine	Target																					3						10						7			
03R014	BS16	TS	10/30/02	18:35	Beach Seine	Target									1								1																			
05R006	BS17	TS	10/30/02	19:05	Beach Seine	Target									1																		20									
05R006	BS18	TS	10/30/02	19:15	Beach Seine	Target									6																		9						8			
07R009	BS19	TS	10/30/02	19:40	Beach Seine	Target									2								1										8						6			
07R009	BS20	TS	10/30/02	19:55	Beach Seine	Target									1												1						2						2			
07R009	BS21	TS	10/30/02	20:12	Beach Seine	Target			1						2								1										20						10			
07R009	BS22	TS	10/30/02	20:20	Beach Seine	Target									1																		2						5			
07R009	BS23	TS	10/30/02	20:29	Beach Seine	Target									1								1										8						73			
07R009	BS24	TS	10/30/02	20:50	Beach Seine	Target																																				
07R009	BS25	TS	10/30/02	21:05	Beach Seine	Target																																	3			
08R010	BS26	TS	10/30/02	21:25	Beach Seine	Target																	6				6									42		1	45			
03R014	BS1	TS	10/31/02	16:15	Beach Seine	Target																																				
03R014	BS2	TS	10/31/02	16:28	Beach Seine	Target																																				
03R014	BS3	TS	10/31/02	16:45	Beach Seine	Target																																				
03R014	BS4	TS	10/31/02	17:05	Beach Seine	Target																																				
03R014	BS5	TS	10/31/02	17:22	Beach Seine	Target																						1														
03R014	BS6	TS	10/31/02	17:50	Beach Seine	Target																																				
03R014	BS7	TS	10/31/02	18:00	Beach Seine	Target																																				
03R014	BS8	TS	10/31/02	18:20	Beach Seine	Target																																				
03R014	BS9	TS	10/31/02	18:37	Beach Seine	Target																																				
03R014	BS10	TS	10/31/02	19:05	Beach Seine	Target																																				
03R014	BS11	TS	10/31/02	19:20	Beach Seine	Target																																				
03R014	BS12	TS	10/31/02	19:38	Beach Seine	Target																																				
03R014	BS13	TS	10/31/02	19:53	Beach Seine	Target																																				
03R014	BS14	TS	10/31/02	20:25	Beach Seine	Target																																				
03R014	BS15	TS	10/31/02	20:42	Beach Seine	Target																																				
03R014	BS16	TS	10/31/02	20:57	Beach Seine	Target																																				
07R009	BS17	TS	10/31/02	21:33	Beach Seine	Target																																				
07R009	BS18	TS	10/31/02	21:48	Beach Seine	Target																																				
07R009	BS19	TS	10/31/02	22:03	Beach Seine	Target																																				
07R003	CT3	IS	11/5/02	9:55	Crayfish Trap	Target				0	0																															
08R001	CT2	SJ	11/5/02	9:15	Crayfish Trap	Target																									2	0										
08R001	TL1	IS	11/5/02	10:12	Trot Line	Target									12		1											1					1										
09R003	TL2	IS	11/5/02	11:15	Trot Line	Target													9																							
08R003	EB2	IS	11/5/02	15:15	EF Backpack	Target	418	N																																		
04R003	TL2	DP/EA	10/31/02	10:50	Trot Line	Target																																				
04R002	TL3	DP/EA	10/31/02	11:30	Trot Line	Target																																				
04R003	EB1	DP/EA	10/31/02	14:30	EF Backpack	Target	886	N						2																								2				
09R003	TL4	DP/EA	10/31/02	17:10	Trot Line	Target		N							6																		1									
04R003	TL1	DP/EA	11/1/02	9:30	Trot Line	Target																																				
04R003	EB1	DP/EA	11/1/02	9:30	EF Backpack	Target	913	N																																		
04R002	TL2	DP/EA	11/1/02	10:00	Trot Line	Target		N											1									1										1				
08R003	TL4	DP/EA	11/1/02	11:30	Trot Line	Target		N																																		
08R003	CT4	ML/SP	10/13/02	18:28	Crayfish Trap	Target																									0	2										
08R003	TL3	MM/SP	10/16/02	10:56	Trot Line	Target		N																																		
02R015	CT2	MM/SP	10/16/02	15:45	Crayfish Trap	Target																																				
02R015	CT1	SP/EA	10/17/02	11:23	Crayfish Trap	Target																																				
03R002	EB2A	SP/EA	10/17/02	12:33	EF Backpack	Target	908	N					1		2																4											
04R003	EB5A	SP/EA	10/17/02	15:20	EF Backpack	Target	453	N																																		
04R004	EB6A	SP/EA	10/17/02	15:50	EF Backpack	Target	373	N																																		
02R015	EB1A	BC/EA	10/18/02	10:45	EF Backpack	Target	618	N																																		
04R004	EB6A	BC/EA	10/18/02	14:00	EF Backpack	Target	498	N																																		
09R001	CT3	SP/KG	10/28/02	14:36	Crayfish Trap	Target																																				

Juv Sp Chk	Juv Fl Chk	Juv Fl Chk2	Cutthroat	Other Fish	Comment	Max PDOP	Corr type	GPS Date	GPS Time	Std dev	Horz prec	Point id	X	Y
0	0		0			3.2	Differential	11/6/2002	08 11.39pm		EF Run	3 161	4 996	7626015.2556	705945.5507
0	0		0			3 8	Differential	11/6/2002	08 14·07pm		EF Run	3 526	5 730	7626410.5603	705884 2655
0	0		0			4.3	Differential	11/6/2002	08.32·04pm		EF Run	3 774	5 509	7627136 7984	705795 9722
								NA	NA					7632728 6069	700570 5931
								NA	NA					7627810.2241	702445 7006
								NA	NA					7620445.2891	714453.2947
								NA	NA					7627810.2241	702445 7006
								NA	NA					7627810.2241	702445 7006
								NA	NA					7617129 658	723415.2723
								NA	NA					7627810.2241	702445 7006
								NA	NA					7627810.2241	702445 7006
								NA	NA					7627810.2241	702445 7006
								NA	NA					7627810.2241	702445 7006
								NA	NA					7627810.2241	702445 7006
								NA	NA					7617129 658	723415.2723
								NA	NA					7617129 658	723415.2723
					1 SCULPIN FOR GUT ANALYSIS			NA	NA					7618536.4198	715326 4747
								NA	NA					7628534 404	701735 912
					1 BANDED HILLIFISH			NA	NA					7618227 853	712179 9478
				1 SHAD, 9 KILFISH				10/29/2002	22 55					7635424 499	700204 4739
				1 KILFISH				10/29/2002	23·03					7635418 101	700155 0897
				12 KILFISH				NA	NA					7628497 642	701392 7874
				9 KILFISH, 1 SHAD				10/29/2002	23 52					7626586 695	703737 8676
				3 KILFISH				10/30/2002	0·01					7626588 741	703817 0701
				11 SHAD				10/30/2002	0:21					7625802.28	704637.3801
				5 SHAD				10/30/2002	0:36					7625468 478	704780 0925
				2 SHAD, 2 KILFISH				10/30/2002	0·44					7625523 992	704712 4051
				7 SHAD 14 KILFISH				10/30/2002	0:54					7625530 754	704756 6461
				8 KILFISH				NA	NA					7626586.695	703737 8676
								NA	NA					7626586 695	703737 8676
				3 GOLDFISH				NA	NA					7617213 019	718707 5293
				1 SANDROLLER, SHAD 23				NA	NA					7617213 019	718707.5293
				12 SHAD, 1 SANDROLLER				NA	NA					7617213 019	718707.5293
	1			4 SHAD 1 KILFISH				NA	NA					7617213 019	718707.5293
	1			3 SHAD				NA	NA					7617213 019	718707.5293
				2 SHAD				NA	NA					7617213 019	718707.5293
				1 KILFISH				10/29/2002	22 55					7635424 499	700204 4739
				5 KILFISH				10/29/2002	23·03					7635418 101	700155 0897
								NA	NA					7635424 499	700204 4739
				4 SHAD				NA	NA					7617213 019	718707.5293
				1 SHAD				NA	NA					7617213 019	718707 5293
				1 SAHD				NA	NA					7617213 019	718707 5293
								NA	NA					7617213 019	718707 5293
				2 SHAD				NA	NA					7617213 019	718707 5293
				4 SHAD				NA	NA					7617213 019	718707.5293
				14 SHAD				NA	NA					7617213 019	718707 5293
				1 SHAD				NA	NA					7617213 019	718707 5293
								10/30/2002	2 51	7617501 996	718005.233			7617501 996	718005 2327
								10/30/2002	3 15					7617221.231	718626.3477
								10/30/2002	3 28					7617080 677	718717 4648
								10/30/2002	3 45					7617146 083	718887 8905
								10/30/2002	3 59					7616977 13	719080 2354
								10/30/2002	4 13					7617038.323	719121 3121
				3 KILFISH				NA	NA					7618693 887	711633 667
								NA	NA					7625541.3	704758 7443
				1 MYSID				NA	NA					7625541.3	704758 7443
				1 MYSID				NA	NA					7625541.3	704758 7443
				2 MYSID				NA	NA					7625541.3	704758 7443
				7 MYSID				NA	NA					7625541.3	704758 7443
				1 KILFISH				NA	NA					7625541 3	704758 7443
				1 KILFISH				NA	NA					7625541.3	704758 7443
				1 SHAD 12 KILFISH				NA	NA					7635424 499	700204 4739
								NA	NA					7617213 019	718707.5293
								NA	NA					7617213 019	718707.5293
								NA	NA					7617213 019	718707.5293
								NA	NA					7617213 019	718707.5293
								11/1/2002	1 23					7616905.371	722221 0899
								11/1/2002	1 45					7616871 699	722222.2523
								11/1/2002	2 02					7616899 062	722245 8658
								11/1/2002	2 20					7616944.213	722402 3889
								11/1/2002	2 35					7616933 035	722497 9012
								11/1/2002	3 16					7617213 019	718707 5293
								11/1/2002	3.22					7617149 981	718861 2057
								NA	NA					7617213 019	718707.5293
								NA	NA					7617213 019	718707.5293
								11/1/2002	4 36					7617025 469	719514 1973
								11/1/2002	4 55					7617281 712	718554.2304
								11/1/2002	4 57					7617273.253	718519.3506
								11/1/2002	5 37					7625654 888	704636 9447
								11/1/2002	5 48					7625662 01	704748.5992
								11/1/2002	6·04					7625541.3	704758 7443
								NA	NA					7628534 404	701735 912
								NA	NA					7631883.3901	697562 0073
					STARRY FLOUNDER, PEAMOUTH FOR GUT CONTENT			NA	NA					7632109.3533	697469 5255
								NA	NA					7637535 0118	694153.3922
					1 KILFISH			NA	NA					7632596 018	700615 489
								NA	NA					7620445 2891	714453 2947
								NA	NA					7620152.3700	713099 4100
				2 pumpkin fish				NA	NA					7620445.2891	714453.2947
								NA	NA					7637535 0118	694153.3922
								NA	NA					7620445 2891	714453.2947
				1 killifish				NA	NA					7620445 2891	714453.2947
								NA	NA					7620152 3700	713099 4100
								NA	NA					7632728 6069	700570 5931
								NA	NA					7632596 018	700615 489
								NA	NA					7632728 6069	700570.5931
					traps stollen. Only 4 floats left on shore			NA	NA					7617272.576	723768 267
								NA	NA					7617272 576	723768.267
								NA	NA					7615793 764	717936 7904
								NA	NA					7620445.2891	714453 2947
								NA	NA					7618227 853	712179 9478
								NA	NA					7617272 576	723768.267
								NA	NA					7618227 853	712179 9478
								NA	NA					7636498 6432	698627 8956

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Table C-2 Fish Catch Coordinates

Area ID	Day key	Collector	EF date	EF time	Method	Objective	Seconds	Morts	Largescale	Largescal2	Carp rel	Carp kept	Smallmouth	Smallmout2	Sculpin re	Sculpin ke	B Bullhea	B bullhe2	Y Bullhea	Y Bullhe2	Pikeminnow	Pikeminno2	B crappie	B crappie2	Walleye re	Walleye ke	Peamouth r	Peamouth k	Lamprey re	Lamprey ke	Crayfish r	Crayfish k	Y Perch r	W crappie	Bluegill r	Peamouth 2	Pumpkinsee	Largemouth	Sticklebac	Sturgeon r	Juv Coho r	Juv Steelh
09R003	CT3	SP/KG	10/29/02	17 11	Crayfish Trap	Target																																				
08R003	TL3	SP/KG	10/29/02	18 30	Trot Line	Target											1																									
04R004	CT2	AW/SP	10/30/02	10·09	Crayfish Trap	Target																									1											
04R003	TL1	AW/SP	10/30/02	10·53	Trot Line	Target		1							1																											
08R003	TL2	AW/SP	10/30/02	13 55	Trot Line	Target							1																													
09R002	CT3	AW/SP	10/30/02	14 40	Crayfish Trap	Target																																				
09R001	EB1B	ML	10/8/02	11·04	EF Backpack	Target	760	N																																		
09R001	EB1B	ML	10/8/02	11·04	EF Backpack	Target	760																																			
07R003	EB1B	ML	10/8/02	10·18	EF Backpack	Target	1018								4																											
02R015	EB1B	ML/AW	10/9/02	9 45	EF Backpack	Target	1224								3																											
03R002	EB2B	ML/AW	10/9/02	10·44	EF Backpack	Target	1097																																			
04R003	EB4B	ML/AW	10/9/02	12 40	EF Backpack	Target	489																																			
04R004	EB5B	ML/AW	10/9/02	15·00	EF Backpack	Target	302																																			
02R015	EB7B	ML/AW	10/9/02	15 17	EF Backpack	Target	480								1																											
04R004	EB1B	JF/AW	10/10/02	11·00	EF Backpack	Target	328	N																																		
03R032	EB2B	JF/AW	10/10/02	11.50	EF Backpack	Target	765	N																																		
02R015	EB4B	JF/AW	10/10/02	15.30	EF Backpack	Target	318	N																																		
04R004	EB1B	JF/AW	10/11/02	9·30	EF Backpack	Target	235	1					1			1																										
08R010	TL1	SN	10/15/02	10·47	Trot Line	Target											4			1																						
08R010	TL2	SN	10/15/02	11·05	Trot Line	Target										1	3			2																						
03R005	TL4	SN	10/15/02	12 50	Trot Line	Target																											1									
03R005	TL5	SN	10/15/02	13 00	Trot Line	Target											1																									
08R002	TL1	BC/AC	10/21/02	11 30	Trot Line	Target			1						12	0																	1									
FZ0609	TL2	BC/AC	10/21/02	11 50	Trot Line	Target									3		1															0	1									
02R001	CT2	BC/AC	10/21/02	15·05	Crayfish Trap	Target																																				
08R001	CT4	SJ/KG/LW	10/23/02	16.30	Crayfish Trap	Target																																				
04R002	CT4	SJ/EF	10/24/02	12 50	Crayfish Trap	Target																																				
09R001	CT1	SN/KG	10/25/02	10 10	Crayfish Trap	Target		N																																		
08R003	TL1	SN/KG	10/25/02	10·25	Trot Line	Target		N																																		
07R003	TL3	SN/KG	10/25/02	11 12	Trot Line	Target										3																										
06R004	CT2	SN/KG	10/25/02	14·08	Crayfish Trap	Target																									1											
09R003	CT3	SN/KG	10/25/02	14 44	Crayfish Trap	Target																																				
FZ0609	TL6	SN/KG	11/5/02	15 30	Trot Line	Target		1																																		
FZ0306	TL7	SN/KG	11/5/02	16.28	Trot Line	Target		N																																		
07R002	TL8	SN/KG	11/5/02	19 50	Trot Line	Target		2							8		2																1									
08R001	CT2	SJ	11/6/02	9.30	Crayfish Trap	Target		N																							2											
07R003	CT1	SJ	11/6/02	9 15	Crayfish Trap	Target		N							3																3											
03R004	TL2	SJ	11/6/02	12·03	Trot Line	Target		3							1								1				2															
FZ0306	TL3	SJ	11/6/02	12.25	Trot Line	Target		N							1																											
FZ0306	TL4	SJ	11/6/02	13 55	Trot Line	Target		N									1																									
FZ0609	TL5	SJ	11/6/02	14 25	Trot Line	Target		N																																		
07R002	TL6	SJ	11/6/02	15 02	Trot Line	Target		1							2																											
FZ0609	TL1B	LW/KG	11/7/02	9 45	Trot Line	Target		N							1																		1									
FZ0306	TL2B	LW/KG	11/7/02	10·55	Trot Line	Target		N																																		
04R003	TL3B	LW/KG	11/7/02	11 15	Trot Line	Target		N																																		
03R004	TL4B	LW/KG	11/7/02	12·00	Trot Line	Target		4							4					1			1				1						1									
FZ0306	TL5B	LW/KG	11/7/02	12 35	Trot Line	Target		N																			1															
FZ0609	TL1	SJ/EF	11/8/02	8 45	Trot Line	Target		1		1					1																		1									
FZ0306	TL2	SJ/EF	11/8/02	9·20	Trot Line	Target		1							1							1															1					
03R004	TL3	SJ/EF	11/8/02	10·22	Trot Line	Target		1							1																											
FZ0306	TL4	SJ/EF	11/8/02	10·41	Trot Line	Target		N																																		
07R002	TL6	SJ/EF	11/8/02	11 21	Trot Line	Target		1	2						4																											
FZ0609	TL7	SJ/EF	11/8/02	11 46	Trot Line	Target		1																				1														
FZ0609	TL8	SJ/EF	11/8/02	12·00	Trot Line	Target		N									1																									
FZ0609	TL5	SJ/EF	11/8/02	10:50	Trot Line	Target		N																																		
04R002	EB3A	JC/BC	10/7/02	11.30	EF Backpack	Target	577	N																																		
08R003	EB1A	JC/BC	10/9/02	11 15	EF Backpack	Target	901																																			
05R020	EB5A	JC/BC	10/10/02	15 53	EF Backpack	Target	898	N							1																											
07R003	EB3A	JC/BC	10/10/02	13 28	EF Backpack	Target	783	N					1																						1							
08R003	EB2A	JC/BC	10/10/02	12 10	EF Backpack	Target	901	N							1																											
09R001	EB1A	JC/BC	10/10/02	11 20	EF Backpack	Target	1301	N					1																													
05R020	EB2A	JC/BC	10/11/02	10·47	EF Backpack	Target	885	N																																		
07R003	EB3A	JC/BC	10/11/02	11 40	EF Backpack	Target	620	N																																		
08R003	EB4A	JC/BC	10/11/02	13.30	EF Backpack	Target	765	N					1																													
FZ0609	AG9	SN/PF	11/6/02	19·48	Angling	Target		N																																		
FZ0609	AG10	SN/PF	11/6/02	20:30	Angling	Target		N																																		
FZ0609	AG11	SN/PF	11/6/02	21 10	Angling	Target		N																																		
08R003	EB2A	ML/AW	10/14/02	11 20	EF Backpack	Target	736	N																																		
07R003	EB3A	ML/AW	10/14/02	11 52	EF Backpack	Target	1333	N																																		
06R001	EB4A	ML/AW	10/14/02	12 20	EF Backpack	Target	279	N																																		
04R004	EB6A	ML/AW	10/14/02	13 39	EF Backpack	Target	1017	N																																		
03R005	EB8A	ML/AW	10/14/02	14 43	EF Backpack	Target	375	N																																		
07R003	EB2A	ML/EA	10/15/02	11 20	EF Backpack	Target	738	N							1																											
03R005	EB7A	ML/EA	10/15/02	14 15	EF Backpack	Target	496	N																																		
08R003	EB9A	ML/EA	10/15/02	16·00	EF Backpack	Target	873	N																																		
07R003	EB2A	ML/EA	10/16/02	11 15	EF Backpack	Target	431	N																																		
05R020	EB4A	ML/EA	10/16/02	12·00	EF Backpack	Target	368	N																																		
04R004	EB5A	ML/EA	10/16/02	12.55	EF Backpack	Target	574	N																																		
06R001	EB3B	MM/DP	10/17/02	14 15	EF Backpack	Target	296	N																																		
05R020	EB4B	MM/DP	10/17/02	15·00	EF Backpack	Target	484	N																																		
07R003	EB5B	MM/DP	10/17/02	15 50	EF Backpack	Target	606	N																																		
05R020	EB1B	MM/DP	10/18/02	10·40	EF Backpack	Target	362	N							1																											
06R001	EB2B	MM/DP	10/18/02	11 15	EF Backpack	Target	328	N							1		0																									
07R003	EB3B	MM/DP	10/18/02	11 55	EF Backpack	Target	403	N																																		
08R003	EB4B	MM/DP	10/18/02	12.30	EF Backpack	Target	320	N					1																													
FZ0609	AG2	BC/TSt	10/28/02	21·05	Angling	Target																																				
08R010	AG1	BC/TSt	11/1/02	8 15	Angling	Target		N					1																													
04R023	AG1	BC/TSt	11/7/02	13·00	Angling	Target		N																																		
08R010	AG1	BC/TSt	11/8/02	8.30	Angling	Target		N																																		
08R032	AG1	BC/TSt	11/9/02	12 30	Angling	Target		N																																		
06R024	AG2	BC/TSt	11/8/02	13 10	Angling	Target		N																																		
04R023	AG3	BC/TSt	11/8/02	13 45	Angling	Target		N																																		
06R024	AG4	BC/TSt	11/8/02	15 20	Angling	Target		N																																		
08R010	AG5	BC/TSt	11/8/02	16 15	Angling	Target		N																																		
08R032	EF1	BC/SG/GM	11/8/02	14·00	EF Boat	Target	NA	N																																		
06R001	TL5	IS	9/20/02	11.22	Trot Line	Target		1								1																										
07R002	CT2	IS	8/15/02	7 55	Crayfish Trap	Target		1								1																										
08R032	TL4	IS	10/9/2002	13 54	Trot line	Target		1															1																			
FZ0306	CT3	IS	8/8/2002	22 16	crayfish trap	Target		1													1																					
							57539																																			

Juv_Sp_Chk	Juv_Fl_Chk	Juv_Fl_Chk2	Cutthroat	Other_Fish	Comment	Max_PDOP	Corr_type	GPS_Date	GPS_Time	Std_dev	Horz_prec	Point_id	X	Y
								NA	NA				7637535 0118	694153.3922
								NA	NA				7632728 6069	700570.5931
								NA	NA				7618227.853	712179 9478
								NA	NA				7620445.2891	714453.2947
								NA	NA				7632728 6069	700570 5931
								NA	NA				7637535 9835	694169 9131
								NA	NA				7636498 6432	698627 8956
								NA	NA				7636498 6432	698627 8956
								NA	NA				7628534 404	701735 912
								NA	NA				7617272.576	723768.267
								NA	NA				7615793 764	717936.7904
								NA	NA				7620445.2891	714453.2947
								NA	NA				7618227.853	712179.9478
								NA	NA				7617272.576	723768.267
								NA	NA				7618227 853	712179 9478
								NA	NA				7616424.2297	716441 4165
								NA	NA				7617272 576	723768.267
								NA	NA				7618227 853	712179 9478
				2 red eared sunfish				NA	NA				7635966 6690	699767 5979
								NA	NA				7635966 6690	699767 5979
								NA	NA				7619857 473	717015 696
								NA	NA				7619857 473	717015 696
				1 starry flounder				NA	NA				7630622	699272
								NA	NA				NA	NA
								NA	NA				7617129 658	723415 2723
								NA	NA				7631883.3901	697562 0073
								NA	NA				7620498 4850	713333.5569
								NA	NA				7636498 6432	698627 8956
								NA	NA				7632728 6069	700570 5931
								NA	NA				7628534 404	701735 912
								NA	NA				7626197 5951	704173.3491
								NA	NA				7637535 0118	694153.3922
								NA	NA				7623649	705845
								NA	NA				7621907	707392
								NA	NA				7628721 805	704219 2006
								NA	NA				7631883.3901	697562 0073
								NA	NA				7628534 404	701735 912
								NA	NA				7618536 4198	715326 4747
								NA	NA				7616979 5	715123.5
								NA	NA				7619632 4	713110.5
								NA	NA				7623624	707142
								NA	NA				7628721 805	704219.2006
								NA	NA				7623649	705845
								NA	NA				7619499	712947
					lost trot line			NA	NA				7620445.2891	714453 2947
								NA	NA				7618536 4198	715326 4747
								NA	NA				7616979 5	715123 5
								NA	NA				7623649	705845
								NA	NA				7616979.5	715123.5
								NA	NA				7618536 4198	715326.4747
								NA	NA				7619632 4	713110.5
								NA	NA				7628721.805	704219.2006
								NA	NA				7630640.5	702063
								NA	NA				7634965	697677 28
								NA	NA				7623624	707142
								NA	NA				7620498 4850	713333.5569
								NA	NA				7632596 018	700615 489
								NA	NA				7621568 932	707688.5029
								NA	NA				7628534 404	701735 912
								NA	NA				7632596 018	700615 489
								NA	NA				7636498 6432	698627 8956
								NA	NA				7621568 932	707688 5029
								NA	NA				7628534 404	701735 912
								NA	NA				7632596 018	700615 489
								NA	NA				NA	NA
								NA	NA				NA	NA
								NA	NA				NA	NA
								NA	NA				7632596 018	700615 489
								NA	NA				7628534 404	701735 912
								NA	NA				7622682 901	706189 7099
								NA	NA				7618227 853	712179 9478
								NA	NA				7619875 02	717025 3714
								NA	NA				7628534 404	701735 912
								NA	NA				7619875 02	717025 3714
								NA	NA				7632596 018	700615 489
								NA	NA				7628534 404	701735 912
								NA	NA				7621568 932	707688.5029
								NA	NA				7618227 853	712179 9478
								NA	NA				7622682 901	706189 7099
								NA	NA				7621568 932	707688 5029
								NA	NA				7628534 404	701735 912
								NA	NA				7621568 932	707688 5029
								NA	NA				7622682 901	706189 7099
								NA	NA				7628534 404	701735 912
								NA	NA				7632596 018	700615 489
								NA	NA				NA	NA
								NA	NA				NA	NA
								NA	NA				NA	NA
								NA	NA				NA	NA
								NA	NA				NA	NA
								NA	NA				NA	NA
								NA	NA				NA	NA
								NA	NA				NA	NA
								NA	NA				NA	NA
								NA	NA				NA	NA
													7628827 873	703839.2759
													7630529 1285	699320 4160
													7619960 117	717109.517

Table C-3 Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	FZ0612	TS	CP		not valid samples for HHRA - stored in R1 for >24 hrs								EAF	
LWG01	FZ0610	TS	LS		not valid samples for HHRA - stored in R1 for >24 hrs								EAF	
LWG01	FZ0609	TS	LS		not valid samples for HHRA - stored in R1 for >24 hrs								EAF	
LWG01	FZ0611	TS	LS		not valid samples for HHRA - stored in R1 for >24 hrs								EAF	
LWG01	FZ0306	TS	BB	001	FL	HHRA	7/25/02	12:15			11/27/02	FLC10	EAF	EF/JS
LWG01	FZ0306	TS	BB	010	FL	HHRA	9/17/02	12:03			11/27/02	FLC10	EAF	EF/JS
LWG01	FZ0306	TS	YB	001	WB	HHRA	7/24/02	12:48	F2	S2			EAF	
LWG01	FZ0306	TS	BB	029	FL	HHRA	10/1/02	14:35			11/27/02	FLC10	EAF	EF/JS
LWG01	FZ0306	TS	BB	031	FL	HHRA	10/1/02	11:40			11/27/02	FLC10	EAF	EF/JS
LWG01	FZ0306	TS	BB	034	FL	HHRA	10/1/02	14 20			11/27/02	FLC10	EAF	EF/JS
LWG01	FZ0306	TS	BB	002	FL	HHRA	7/25/02	12:37			11/27/02	FLC20	EAF	EF/JS
LWG01	FZ0306	TS	YB	004	WB	HHRA	8/9/02	14:21	F2	S3			EAF	
LWG01	FZ0306	TS	BB	006	FL	HHRA	9/5/02	16:30			11/27/02	FLC20	JM	EF/JS
LWG01	FZ0306	TS	BB	026	FL	HHRA	9/27/02	10:45			11/27/02	FLC20	EAF	EF/JS
LWG01	FZ0306	TS	YB	007	FL	HHRA	9/5/02	16.40	F8	S1			SN	
LWG01	FZ0306	TS	YB	007	FS	HHRA	9/5/02	16.45	F8	S1			SN	
LWG01	FZ0306	TS	YB	008	FL	HHRA	9/5/02	16:10	F8	S1			EAF	
LWG01	FZ0306	TS	YB	008	FS	HHRA	9/5/02	16:16	F8	S1			EAF	
LWG01	FZ0306	TS	YB	009	FL	HHRA	9/17/02	12:08	F1	S1			EAF	
LWG01	FZ0306	TS	YB	009	FS	HHRA	9/17/02	12:11	F1	S1			EAF	
LWG01	FZ0306	TS	BB	030	FL	HHRA	10/1/02	13:55			11/27/02	FLC20	SN	EF/JS
LWG01	FZ0306	TS	BB	035	FL	HHRA	10/1/02	12 55			11/27/02	FLC20	EAF	EF/JS
LWG01	FZ0306	TS	YB	011	FL	HHRA	9/19/02	16:17	F1	D2			JM	
LWG01	FZ0306	TS	YB	011	FS	HHRA	9/19/02	16.20	F1	D2			JM	
LWG01	FZ0306	TS	BB	003	FL	HHRA	7/26/02	16:15			11/27/02	FLC30	EAF	EF/JS
LWG01	FZ0306	TS	BB	012	FL	HHRA	9/19/02	15:45			11/27/02	FLC30	JM	EF/JS
LWG01	FZ0306	TS	BB	027	FL	HHRA	9/28/02	10:50			11/27/02	FLC30	JM	EF/JS
LWG01	FZ0306	TS	BB	028	FL	HHRA	10/1/02	12:43			11/27/02	FLC30	EAF	EF/JS
LWG01	FZ0306	TS	BB	033	FL	HHRA	10/1/02	13.18			11/27/02	FLC30	EAF	EF/JS
LWG01	FZ0306	TS	BB	001	FS	HHRA	7/25/02	12:15			11/27/02	FSC10	EAF	EF/JS
LWG01	FZ0306	TS	BB	010	FS	HHRA	9/17/02	11:53			11/27/02	FSC10	SN	EF/JS
LWG01	FZ0306	TS	BB	029	FS	HHRA	10/1/02	14:40			11/27/02	FSC10	EAF	EF/JS
LWG01	FZ0306	TS	BB	031	FS	HHRA	10/1/02	11:40			11/27/02	FSC10	EAF	EF/JS
LWG01	FZ0306	TS	BB	034	FS	HHRA	10/1/02	14 20			11/27/02	FSC10	EAF	EF/JS
LWG01	FZ0306	TS	BB	002	FS	HHRA	7/25/02	12 33			11/27/02	FSC20	EAF	EF/JS

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	FZ0306	TS	YB	024	WB	HHRA	9/27/02	11:15	F2	S1			EAF	
LWG01	FZ0306	TS	BB	006	FS	HHRA	9/5/02	16.35			11/27/02	FSC20	JM	EF/JS
LWG01	FZ0306	TS	BB	026	FS	HHRA	9/27/02	10:50			11/27/02	FSC20	EAF	EF/JS
LWG01	FZ0306	TS	BB	030	FS	HHRA	10/1/02	13:55			11/27/02	FSC20	SN	EF/JS
LWG01	FZ0306	TS	BB	035	FS	HHRA	10/1/02	12 58			11/27/02	FSC20	EAF	EF/JS
LWG01	FZ0306	TS	BB	003	FS	HHRA	7/26/02	16·15			11/27/02	FSC30	EAF	EF/JS
LWG01	FZ0306	TS	BB	012	FS	HHRA	9/19/02	15 50			11/27/02	FSC30	JM	EF/JS
LWG01	FZ0306	TS	BB	027	FS	HHRA	9/28/02	10 50			11/27/02	FSC30	JM	EF/JS
LWG01	FZ0306	TS	BB	028	FS	HHRA	10/1/02	12:32			11/27/02	FSC30	SN	EF/JS
LWG01	FZ0306	TS	BB	033	FS	HHRA	10/1/02	13·25			11/27/02	FSC30	EAF	EF/JS
LWG01	FZ0306	TS	BB	015	WB	HHRA	9/25/02	11·11			11/27/02	WBC10	EAF	EF/JS
LWG01	FZ0306	TS	BB	017	WB	HHRA	9/26/02	9·45			11/27/02	WBC10	EAF	EF/JS
LWG01	FZ0306	TS	BB	018	WB	HHRA	9/26/02	9:30			11/27/02	WBC10	SN	EF/JS
LWG01	FZ0306	TS	BB	038	WB	HHRA	10/23/02	14.37			11/27/02	WBC10	SN	EF/JS
LWG01	FZ0306	TS	YB	032	FL	HHRA	10/1/02	12:00	F1	S1			EAF	
LWG01	FZ0306	TS	YB	032	FS	HHRA	10/1/02	12 05	F1	S1			EAF	
LWG01	FZ0306	TS	BB	039	WB	HHRA	10/4/02	1725			11/27/02	WBC10	JM	EF/JS
LWG01	FZ0306	TS	BB	014	WB	HHRA	9/25/02	11:19			11/27/02	WBC20	SN	EF/JS
LWG01	FZ0306	TS	BB	016	WB	HHRA	9/25/02	11:33			11/27/02	WBC20	EAF	EF/JS
LWG01	FZ0306	TS	BB	021	WB	HHRA	9/26/02	9:36			11/27/02	WBC20	EAF	EF/JS
LWG01	FZ0306	TS	BB	025	WB	HHRA	9/27/02	11.25			11/27/02	WBC20	EAF	EF/JS
LWG01	FZ0306	TS	BB	020	WB	HHRA	9/26/02	10.00			11/27/02	WBC30	EAF	EF/JS
LWG01	FZ0306	TS	YB	036	WB	HHRA	10/4/02	1413	F2	D3			JS	
LWG01	FZ0306	TS	BB	022	WB	HHRA	9/26/02	10:27			11/27/02	WBC30	EAF	EF/JS
LWG01	FZ0306	TS	BB	023	WB	HHRA	9/26/02	10 36			11/27/02	WBC30	SN	EF/JS
LWG01	FZ0306	TS	BB	037	WB	HHRA	10/4/02	1404			11/27/02	WBC30	JS	EF/JS
LWG01	FZ0306	TS	BB	013	WB	HHRA	9/24/02	10·34			11/27/02	WBC30	EAF	EF/JS
LWG01	FZ0609	TS	BB	009	FL	HHRA	9/24/02	10.37	F8	S2		ARCHIVE	EAF	
LWG01	FZ0609	TS	BB	009	FS	HHRA	9/24/02	10:41	F8	S2		ARCHIVE	EAF	
LWG01	FZ0609	TS	BB	025	WB	HHRA	10/4/02	1718	F8	S2		ARCHIVE	JS	
LWG01	FZ0609	TS	BB	037	FL	HHRA	10/23/02	12·58	F8	S2		ARCHIVE	EAF	
LWG01	FZ0609	TS	YB	004	FL	HHRA	9/20/02	16 50	F1	D4			JM	
LWG01	FZ0609	TS	YB	004	FS	HHRA	9/20/02	16 55	F1	D4			JM	
LWG01	FZ0609	TS	BB	037	FS	HHRA	10/23/02	13.00	F8	S2		ARCHIVE	EAF	
LWG01	FZ0609	TS	BB	001	FL	HHRA	8/8/02	16.09			11/27/02	FLC10	EAF	EF/JS

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	FZ0609	TS	BB	007	FL	HHRA	9/20/02	18:15			11/27/02	FLC10	JM	EF/JS
LWG01	FZ0609	TS	BB	013	FL	HHRA	10/2/02	9:55			11/27/02	FLC10	EAF	EF/JS
LWG01	FZ0609	TS	BB	015	FL	HHRA	10/2/02	11:58			11/27/02	FLC10	EAF	EF/JS
LWG01	FZ0609	TS	BB	036	FL	HHRA	10/23/02	14·07			11/27/02	FLC10	EAF	EF/JS
LWG01	FZ0609	TS	BB	002	FL	HHRA	8/8/02	16.33			11/27/02	FLC20	EAF	EF/JS
LWG01	FZ0609	TS	BB	012	FL	HHRA	10/2/02	11.35			11/27/02	FLC20	EAF	EF/JS
LWG01	FZ0609	TS	BB	014	FL	HHRA	10/2/02	10:15			11/27/02	FLC20	EAF	EF/JS
LWG01	FZ0609	TS	BB	019	FL	HHRA	10/4/02	1116			11/27/02	FLC20	JS	EF/JS
LWG01	FZ0609	TS	YB	010	FL	HHRA	10/2/02	10:30	F1	S3			EAF	
LWG01	FZ0609	TS	YB	010	FS	HHRA	10/2/02	10:33	F1	S3			EAF	
LWG01	FZ0609	TS	BB	034	FL	HHRA	10/23/02	13:20			11/27/02	FLC20	EAF	EF/JS
LWG01	FZ0609	TS	BB	005	FL	HHRA	9/20/02	17·50			11/27/02	FLC30	JM	EF/JS
LWG01	FZ0609	TS	BB	006	FL	HHRA	9/20/02	17·12			11/27/02	FLC30	JM	EF/JS
LWG01	FZ0609	TS	BB	011	FL	HHRA	10/2/02	10:50			11/27/02	FLC30	EAF	EF/JS
LWG01	FZ0609	TS	BB	020	FL	HHRA	10/4/02	1142			11/27/02	FLC30	JS	EF/JS
LWG01	FZ0609	TS	BB	035	FL	HHRA	10/23/02	13:35			11/27/02	FLC30	EAF	EF/JS
LWG01	FZ0609	TS	BB	001	FS	HHRA	8/8/02	16:05			11/27/02	FSC10	EAF	EF/JS
LWG01	FZ0609	TS	BB	007	FS	HHRA	9/20/02	18.20			11/27/02	FSC10	JM	EF/JS
LWG01	FZ0609	TS	BB	013	FS	HHRA	10/2/02	10.00			11/27/02	FSC10	EAF	EF/JS
LWG01	FZ0609	TS	BB	015	FS	HHRA	10/2/02	12:02			11/27/02	FSC10	SN	EF/JS
LWG01	FZ0609	TS	BB	036	FS	HHRA	10/23/02	14:10			11/27/02	FSC10	EAF	EF/JS
LWG01	FZ0306	TS	BC	001	FL	HHRA	7/24/02	21.12			12/11/02	FLC10	EAF	LF/JS/JC
LWG01	FZ0306	TS	BC	002	FL	HHRA	9/10/02	14 40			12/11/02	FLC20	EAF	LF/JS/JC
LWG01	FZ0306	TS	BC	003	FL	HHRA	10/1/02	10.50			12/11/02	FLC20	EAF	LF/JS/JC
LWG01	FZ0306	TS	BC	004	FL	HHRA	10/1/02	11:05			12/11/02	FLC10	SN	LF/JS/JC
LWG01	FZ0306	TS	BC	005	FL	HHRA	10/4/02	1200			12/11/02	FLC10	JS	LF/JS/JC
LWG01	FZ0306	TS	BC	006	FL	HHRA	10/4/02	1306			12/11/02	FLC20	JS	LF/JS/JC
LWG00	FZ0306	TS	BC	007	FL	HHRA	10/4/02	1240			12/11/02	FLC10	JS	LF/JS/JC
LWG01	FZ0306	TS	BC	008	FL	HHRA	10/4/02	1223			12/11/02	FLC20	JS	LF/JS/JC
LWG01	FZ0306	TS	BC	009	FL	HHRA	10/11/02	14:30			12/11/02	FLC10	SN	LF/JS/JC
LWG01	FZ0306	TS	BC	013	FL	HHRA	10/30/02	14:57			12/11/02	FLC20	EAF	LF/JS/JC
LWG01	FZ0306	TS	BC	001	FS	HHRA	7/24/02	21 05			12/11/02	FSC10	EAF	LF/JS/JC
LWG01	FZ0306	TS	BC	002	FS	HHRA	9/10/02	14.40			12/11/02	FSC20	EAF	LF/JS/JC
LWG01	FZ0306	TS	BC	003	FS	HHRA	10/1/02	10.57			12/11/02	FSC20	EAF	LF/JS/JC
LWG01	FZ0306	TS	BC	004	FS	HHRA	10/1/02	11:15			12/11/02	FSC10	EAF	LF/JS/JC

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	FZ0306	TS	BC	005	FS	HHRA	10/4/02	1203			12/11/02	FSC10	JS	LF/JS/JC
LWG01	FZ0306	TS	BC	006	FS	HHRA	10/4/02	1309			12/11/02	FSC20	JS	LF/JS/JC
LWG01	FZ0306	TS	BC	007	FS	HHRA	10/4/02	1243			12/11/02	FSC10	JS	LF/JS/JC
LWG01	FZ0306	TS	BC	008	FS	HHRA	10/4/02	1223			12/11/02	FSC20	JS	LF/JS/JC
LWG01	FZ0306	TS	BC	009	FS	HHRA	10/11/02	14.30			12/11/02	FSC10	SN	LF/JS/JC
LWG01	FZ0306	TS	BC	013	FS	HHRA	10/30/02	14:57			12/11/02	FSC20	EAF	LF/JS/JC
LWG01	FZ0306	TS	BC	010	WB	HHRA	10/26/02	12.15			12/11/02	WBC20	JM	LF/JS/JC
LWG01	FZ0306	TS	BC	011	WB	HHRA	10/30/02	16.35	F7	-			EAF	
LWG01	FZ0306	TS	BC	012	WB	HHRA	10/30/02	16:10			12/11/02	WBC10	EAF	LF/JS/JC
LWG01	FZ0306	TS	BC	014	WB	HHRA	10/30/02	16:27			12/11/02	WBC10	EAF	LF/JS/JC
LWG01	FZ0306	TS	BC	015	WB	HHRA	10/30/02	16.31	F7	-			EAF	
LWG01	FZ0306	TS	BC	016	WB	HHRA	10/30/02	16.06			12/11/02	WBC10	EAF	LF/JS/JC
LWG01	FZ0306	TS	BC	017	WB	HHRA	10/30/02	16 37			12/11/02	WBC20	EAF	LF/JS/JC
LWG01	FZ0306	TS	BC	018	WB	HHRA	10/31/02	12 08			12/11/02	WBC20	JS	LF/JS/JC
LWG01	FZ0306	TS	BC	019	WB	HHRA	10/31/02	12:08			12/11/02	WBC10	JS	LF/JS/JC
LWG01	FZ0306	TS	BC	020	WB	HHRA	10/31/02	12:08			12/11/02	WBC10	JS	LF/JS/JC
LWG01	FZ0306	TS	BC	021	WB	HHRA	10/31/02	12 08			12/11/02	WBC20	JS	LF/JS/JC
LWG01	FZ0306	TS	BC	022	WB	HHRA	10/31/02	12·08	F7	-			JS	
LWG01	FZ0306	TS	BC	023	WB	HHRA	11/1/02	14:58			12/11/02	WBC20	EAF	LF/JS/JC
LWG01	FZ0609	TS	BC	001	FL	HHRA	9/20/02	15:55			12/11/02	FLC10	JM	LF/JS/JC
LWG01	FZ0609	TS	BC	002	FL	HHRA	9/20/02	16.10			12/11/02	FLC20	JM	LF/JS/JC
LWG01	FZ0609	TS	BC	003	FL	HHRA	9/20/02	16:25	F7	-			JM	
LWG01	FZ0609	TS	BC	004	FL	HHRA	10/2/02	9.25			12/11/02	FLC10	EAF	LF/JS/JC
LWG01	FZ0609	TS	BC	006	FL	HHRA	10/16/02	10.40			12/11/02	FLC20	EAF	LF/JS/JC
LWG01	FZ0609	TS	BC	007	FL	HHRA	10/18/02	17:20			12/11/02	FLC10	SN	LF/JS/JC
LWG01	FZ0609	TS	BC	008	FL	HHRA	10/23/02	11:57			12/11/02	FLC20	EAF	LF/JS/JC
LWG01	FZ0609	TS	BC	009	FL	HHRA	10/23/02	12:05			12/11/02	FLC10	EAF	LF/JS/JC
LWG01	FZ0609	TS	BC	010	FL	HHRA	10/23/02	12·37			12/11/02	FLC20	EAF	LF/JS/JC
LWG01	FZ0609	TS	BC	001	FS	HHRA	9/20/02	15:57			12/11/02	FSC10	JM	LF/JS/JC
LWG01	FZ0609	TS	BC	002	FS	HHRA	9/20/02	16:12			12/11/02	FSC20	JM	LF/JS/JC
LWG01	FZ0609	TS	BC	003	FS	HHRA	9/20/02	16·30	F7	-			JM	
LWG01	FZ0609	TS	BC	004	FS	HHRA	10/2/02	9·27			12/11/02	FSC10	EAF	LF/JS/JC
LWG01	FZ0609	TS	BC	006	FS	HHRA	10/16/02	10·45			12/11/02	FSC20	EAF	LF/JS/JC
LWG01	FZ0609	TS	BC	007	FS	HHRA	10/18/02	17 20			12/11/02	FSC10	SN	LF/JS/JC
LWG01	FZ0609	TS	BC	008	FS	HHRA	10/23/02	11.58			12/11/02	FSC20	EAF	LF/JS/JC

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	FZ0609	TS	BC	009	FS	HHRA	10/23/02	12.12			12/11/02	FSC10	EAF	LF/JS/JC
LWG01	FZ0609	TS	BC	010	FS	HHRA	10/23/02	12 37			12/11/02	FSC20	EAF	LF/JS/JC
LWG01	FZ0609	TS	BC	011	WB	HHRA	10/29/02	11:46			12/11/02	WBC10	JS	LF/JS/JC
LWG01	FZ0609	TS	BC	012	WB	HHRA	11/5/02	14:53	F7	-			JS	
LWG01	FZ0609	TS	BC	013	WB	HHRA	11/5/02	14·53			12/11/02	WBC20	JS	LF/JS/JC
LWG01	FZ0609	TS	BC	014	WB	HHRA	11/5/02	14·53			12/11/02	WBC20	JS	LF/JS/JC
LWG01	FZ0306	TS	CP	001	FL	HHRA	7/25/02	13 00			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	001	FS	HHRA	7/25/02	14:15			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	002	FL	HHRA	7/26/02	15·27			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	002	FS	HHRA	7/26/02	15·15			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	003	FL	HHRA	7/30/02	13 33			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	003	FS	HHRA	7/30/02	13:30			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	004	FL	HHRA	7/30/02	13:11			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	004	FS	HHRA	7/30/02	13 11			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	005	FL	HHRA	7/30/02	11.05			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	005	FS	HHRA	7/30/02	11:03			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	006	FL	HHRA	7/30/02	10·54			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	006	FS	HHRA	7/30/02	10:49			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	007	FL	HHRA	7/29/02	20·25			9/10/02		SN	EF/SN/JS
LWG01	FZ0306	TS	CP	007	FS	HHRA	7/29/02	20.26			9/10/02		SN	EF/SN/JS
LWG01	FZ0306	TS	CP	008	FL	HHRA	7/29/02	19:40			9/10/02		SN	EF/SN/JS
LWG01	FZ0306	TS	CP	008	FS	HHRA	7/29/02	19·55			9/10/02		SN	EF/SN/JS
LWG01	FZ0306	TS	CP	009	FL	HHRA	7/30/02	12 52	F7	-		ARCHIVE	EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	009	FS	HHRA	7/30/02	12·49	F7	-		ARCHIVE	EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	010	WB	HHRA	7/29/02	18·36			9/10/02		SN	EF/JM/JS
LWG01	FZ0306	TS	CP	011	WB	HHRA	7/29/02	17:55			9/10/02		SN	EF/JM/JS
LWG01	FZ0306	TS	CP	012	FL	HHRA	7/30/02	21·21			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	012	FS	HHRA	7/30/02	21 25			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	013	FL	HHRA	7/30/02	18 59			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	013	FS	HHRA	7/30/02	19:03			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	014	FL	HHRA	7/30/02	19·25			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	014	FS	HHRA	7/30/02	19 29			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	015	FL	HHRA	7/30/02	20:30			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	015	FS	HHRA	7/30/02	20:33			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	016	FL	HHRA	7/30/02	20:59			9/10/02		EAF	EF/SN/JS

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	FZ0306	TS	CP	016	FS	HHRA	7/30/02	21.04			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	017	FS	HHRA	7/30/02	20.02			9/10/02		EAF	EF/JM/JS
LWG01	FZ0306	TS	CP	017	FL	HHRA	7/30/02	19·53			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	018	WB	HHRA	7/30/02	17:23			9/10/02		EAF	EF/JM/JS
LWG01	FZ0306	TS	CP	019	WB	HHRA	7/31/02	17·59			9/10/02		EAF	EF/JM/JS
LWG01	FZ0306	TS	CP	020	WB	HHRA	7/31/02	17.51			9/10/02		EAF	EF/JM/JS
LWG01	FZ0306	TS	CP	021	WB	HHRA	7/31/02	16.15			9/10/02		EAF	EF/JM/JS
LWG01	FZ0306	TS	CP	022	WB	HHRA	7/31/02	18.05			9/10/02		EAF	EF/JM/JS
LWG01	FZ0306	TS	CP	024	WB	HHRA	8/1/02	16.00			9/10/02		JM	EF/JM/JS
LWG01	FZ0306	TS	CP	025	WB	HHRA	8/1/02	16 05			9/10/02		JM	EF/JM/JS
LWG01	FZ0306	TS	CP	026	WB	HHRA	8/1/02	15·43			9/10/02		JM	EF/JM/JS
LWG01	FZ0306	TS	CP	027	WB	HHRA	8/1/02	15 15			9/10/02		JM	EF/JM/JS
LWG01	FZ0306	TS	CP	028	WB	HHRA	8/1/02	15·56			9/10/02		JM	EF/JM/JS
LWG01	FZ0306	TS	CP	029	WB	HHRA	8/1/02	15.35			9/10/02		JM	EF/JM/JS
LWG01	FZ0306	TS	CP	030	WB	HHRA	8/1/02	15:40	F7	-		ARCHIVE	JM	EF/JM/JS
LWG01	FZ0306	TS	CP	031	WB	HHRA	8/1/02	15 45			9/10/02		JM	EF/JM/JS
LWG01	FZ0306	TS	CP	002A	FL	HHRA	7/27/02	13:40			9/10/02		EAF	EF/SN/JS
LWG01	FZ0306	TS	CP	002A	FS	HHRA	7/27/02	13·50			9/10/02		EAF	EF/SN/JS
LWG01	FZ0609	TS	CP	001	FL	HHRA	8/8/02	17.21			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	001	FS	HHRA	8/8/02	17:40			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	002	FL	HHRA	8/8/02	17 45			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	002	FS	HHRA	8/8/02	17:48			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	003	FL	HHRA	8/8/02	16:53			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	003	FS	HHRA	8/8/02	16:57			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	004	FL	HHRA	8/9/02	12.07			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	004	FS	HHRA	8/9/02	12:15			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	005	FL	HHRA	8/9/02	16 00			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	005	FS	HHRA	8/9/02	16.00			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	006	FL	HHRA	8/10/02	13:57			9/30/02		JM	JS/LF/SN
LWG01	FZ0609	TS	CP	006	FS	HHRA	8/10/02	14:09			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	007	FL	HHRA	8/10/02	9.14			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	007	FS	HHRA	8/10/02	9 20			9/30/02		JM	JS/LF/SN
LWG01	FZ0609	TS	CP	008	FL	HHRA	8/10/02	11.11	F7	-		ARCHIVE	EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	008	FS	HHRA	8/10/02	11.19	F7	-		ARCHIVE	EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	010	FL	HHRA	8/10/02	13:43			9/30/02		JM	JS/LF/SN

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	FZ0609	TS	CP	010	FS	HHRA	8/10/02	13·47			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	011	FL	HHRA	8/10/02	14:20			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	011	FS	HHRA	8/10/02	14 30			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	012	FL	HHRA	8/10/02	14:45			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	012	FS	HHRA	8/10/02	14:50			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	013	FL	HHRA	8/13/02	8·46	F7	-		ARCHIVE	SN	JS/LF/SN
LWG01	FZ0609	TS	CP	013	FS	HHRA	8/13/02	8·46	F7	-		ARCHIVE	SN	JS/LF/SN
LWG01	FZ0609	TS	CP	014	FL	HHRA	8/13/02	8 20			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	014	FS	HHRA	8/13/02	8.25			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	015	FL	HHRA	8/13/02	9·12			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	015	FS	HHRA	8/13/02	9 12			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	016	WB	HHRA	8/13/02	10·20			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	017	WB	HHRA	8/13/02	10·14	F7	-		ARCHIVE	SN	JS/LF/SN
LWG01	FZ0609	TS	CP	018	WB	HHRA	8/13/02	9 36	F7	-		ARCHIVE	EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	019	WB	HHRA	8/13/02	10 02			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	020	WB	HHRA	8/13/02	10:28	F7	-		ARCHIVE	EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	021	WB	HHRA	8/13/02	9 50	F7	-		ARCHIVE	SN	JS/LF/SN
LWG01	FZ0609	TS	CP	022	WB	HHRA	8/13/02	10:37	F7	-		ARCHIVE	SN	JS/LF/SN
LWG01	FZ0609	TS	CP	023	WB	HHRA	8/13/02	9.56			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	024	WB	HHRA	8/14/02	11.25			9/30/02		SN	JS/LF/SN
LWG01	FZ0609	TS	CP	025	WB	HHRA	8/14/02	11:31			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	026	WB	HHRA	8/14/02	11:16	F7	-		ARCHIVE	EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	027	WB	HHRA	8/14/02	10.56			9/30/02		SN	JS/LF/SN
LWG01	FZ0609	TS	CP	028	WB	HHRA	8/14/02	10 50	F7	-		ARCHIVE	SN	JS/LF/SN
LWG01	FZ0609	TS	CP	029	WB	HHRA	8/14/02	10:21			9/30/02		SN	JS/LF/SN
LWG01	FZ0609	TS	CP	030	WB	HHRA	8/14/02	10:26	F7	-		ARCHIVE	EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	031	WB	HHRA	8/14/02	10:11			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	032	WB	HHRA	8/14/02	10:37			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	033	WB	HHRA	8/14/02	11 06			9/30/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	CP	034	FL	HHRA	8/26/02	18:30			9/30/02		JM	JS/LF/SN
LWG01	FZ0609	TS	CP	034	FS	HHRA	8/26/02	18·33			9/30/02		JM	JS/LF/SN
LWG01	FZ0609	TS	CP	035	FL	HHRA	8/27/02	15 00	F7	-		ARCHIVE	JM	JS/LF/SN
LWG01	FZ0609	TS	CP	035	FS	HHRA	8/27/02	15 05	F7	-		ARCHIVE	JM	JS/LF/SN
LWG01	FZ0609	TS	CP	036	FL	HHRA	8/26/02	20 02			9/30/02		JM	JS/LF/SN
LWG01	FZ0609	TS	CP	036	FS	HHRA	8/26/02	20 05			9/30/02		JM	JS/LF/SN

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	FZ0609	TS	CP	037	FL	HHRA	8/26/02	18:20			9/30/02		JM	JS/LF/SN
LWG01	FZ0609	TS	CP	037	FS	HHRA	8/26/02	18:25			9/30/02		JM	JS/LF/SN
LWG01	FZ0609	TS	CP	038	FL	HHRA	8/26/02	19:20	F7	-		ARCHIVE	JM	JS/LF/SN
LWG01	FZ0609	TS	CP	038	FS	HHRA	8/26/02	19 25	F7	-		ARCHIVE	JM	JS/LF/SN
LWG01	FZ0609	TS	CP	039	FL	HHRA	8/27/02	14 50			9/30/02		JM	JS/LF/SN
LWG01	FZ0609	TS	CP	039	FS	HHRA	8/27/02	14 55			9/30/02		JM	JS/LF/SN
LWG01	FZ0609	TS	CP	040	WB	HHRA	8/26/02	19 58	F7	-		ARCHIVE	JM	JS/LF/SN
LWG01	FZ0609	TS	CP	041	WB	HHRA	8/26/02	18·57	F7	-		ARCHIVE	JM	JS/LF/SN
LWG01	FZ0609	TS	CP	042	WB	HHRA	8/27/02	15·22			9/30/02		JM	JS/LF/SN
LWG01	FZ0609	TS	CP	043	WB	HHRA	8/26/02	18:10			9/30/02		JM	JS/LF/SN
LWG01	FZ0609	TS	CP	044	WB	HHRA	8/27/02	15:10			9/30/02		JM	JS/LF/SN
LWG01	FZ0609	TS	CP	045	WB	HHRA	8/29/02	9.41			9/30/02		SN	JS/LF/SN
LWG01	FZ0609	TS	CP	046	WB	HHRA	8/29/02	9 25			9/30/02		EAF	JS/LF/SN
LWG01	02R001	TS	CR	001	WB	HHRA/ERA	9/5/02	16 50			11/20/02	02R001TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	02R001	TS	CR	002	WB	HHRA/ERA	9/10/02	16·17			11/20/02	02R001TSCRWBC00	JM	JS/LF/SN/JC
LWG01	02R001	TS	CR	003	WB	HHRA/ERA	9/11/02	16:27			11/20/02	02R001TSCRWBC00	SN	JS/LF/SN/JC
LWG01	02R001	TS	CR	004	WB	HHRA/ERA	9/11/02	16.42			11/20/02	02R001TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	02R001	TS	CR	005	WB	HHRA/ERA	9/11/02	16·50			11/20/02	02R001TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	02R001	TS	CR	006	WB	HHRA/ERA	9/11/02	16·40			11/20/02	02R001TSCRWBC00	SN	JS/LF/SN/JC
LWG01	02R001	TS	CR	007	WB	HHRA/ERA	9/11/02	16·29			11/20/02	02R001TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	02R001	TS	CR	008	WB	HHRA/ERA	10/24/02	12 35			11/20/02	02R001TSCRWBC00	JS	JS/LF/SN/JC
LWG01	02R015	TS	CR	001	WB	HHRA/ERA	10/8/02	1219	F8	S3			SN	
LWG01	02R015	TS	CR	002	WB	HHRA/ERA	10/11/02	14.35			11/20/02	02R015TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	02R015	TS	CR	003	WB	HHRA/ERA	10/11/02	14.35	F8	S3			EAF	
LWG01	02R015	TS	CR	004	WB	HHRA/ERA	10/11/02	14 35	F8	S3			EAF	
LWG01	02R015	TS	CR	005	WB	HHRA/ERA	10/11/02	14.35	F8	S3			EAF	
LWG01	02R015	TS	CR	006	WB	HHRA/ERA	10/11/02	14:35			11/20/02	02R015TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	02R015	TS	CR	007	WB	HHRA/ERA	10/11/02	18·37			11/20/02	02R015TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	02R015	TS	CR	008	WB	HHRA/ERA	10/11/02	18.37			11/20/02	02R015TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	02R015	TS	CR	009	WB	HHRA/ERA	10/11/02	18.37			11/20/02	02R015TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	02R015	TS	CR	010	WB	HHRA/ERA	10/14/02	16.30			11/20/02	02R015TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	02R015	TS	CR	011	WB	HHRA/ERA	10/14/02	16 30			11/20/02	02R015TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	02R015	TS	CR	012	WB	HHRA/ERA	10/14/02	16:30			11/20/02	02R015TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	02R015	TS	CR	013	WB	HHRA/ERA	10/23/02	14.15			11/20/02	02R015TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	02R015	TS	CR	016	WB	HHRA/ERA	10/11/02	18.37	F8	S3			EAF	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	03R003	TS	CR	001	WB	ERA/HHRA	7/30/02	16:37	F8	S3			EAF	
LWG01	03R003	TS	CR	002	WB	ERA/HHRA	7/30/02	16·51			11/20/02	03R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R003	TS	CR	003	WB	ERA/HHRA	7/30/02	16 57			11/20/02	03R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R003	TS	CR	004	WB	ERA/HHRA	7/30/02	16:34	F8	S3			EAF	
LWG01	03R003	TS	CR	005	WB	ERA/HHRA	7/30/02	17·03			11/20/02	03R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R003	TS	CR	006	WB	ERA/HHRA	7/30/02	16.39	F8	S3			EAF	
LWG01	03R003	TS	CR	007	WB	HHRA/ERA	9/10/02	16.37	F8	S3			EAF	
LWG01	03R003	TS	CR	008	WB	HHRA/ERA	9/10/02	16.40			11/20/02	03R003TSCRWBC00	JM	JS/LF/SN/JC
LWG01	03R003	TS	CR	009	WB	HHRA/ERA	9/10/02	16·23			11/20/02	03R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R003	TS	CR	010	WB	HHRA/ERA	9/10/02	16·45	F8	S3			EAF	
LWG01	03R003	TS	CR	011	WB	HHRA/ERA	9/10/02	16 41			11/20/02	03R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R003	TS	CR	012	WB	HHRA/ERA	10/8/02	1210	F8	S3			EAF	
LWG01	03R003	TS	CR	013	WB	HHRA/ERA	10/8/02	1150	F8	S3			EAF	
LWG01	03R003	TS	CR	014	WB	HHRA/ERA	10/11/02	14:35			11/20/02	03R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R003	TS	CR	015	WB	HHRA/ERA	10/11/02	14·35	F8	S3			EAF	
LWG01	03R003	TS	CR	016	WB	HHRA/ERA	10/11/02	14 35	F8	S3			EAF	
LWG01	03R003	TS	CR	017	WB	HHRA/ERA	10/11/02	14 35	F8	S3			EAF	
LWG01	03R003	TS	CR	018	WB	HHRA/ERA	10/11/02	18 37	F8	S3			EAF	
LWG01	03R003	TS	CR	019	WB	HHRA/ERA	10/11/02	18:37			11/20/02	03R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R003	TS	CR	020	WB	HHRA/ERA	10/11/02	18·37	F8	S3			EAF	
LWG01	03R003	TS	CR	021	WB	HHRA/ERA	10/11/02	18·37	F8	S3			EAF	
LWG01	03R003	TS	CR	022	WB	HHRA/ERA	10/11/02	18 37	F8	S3			EAF	
LWG01	03R003	TS	CR	023	WB	HHRA/ERA	10/11/02	18 37	F8	S3			EAF	
LWG01	03R003	TS	CR	024	WB	HHRA/ERA	10/11/02	18.37	F8	S3			EAF	
LWG01	03R003	TS	CR	025	WB	HHRA/ERA	10/11/02	18.37	F8	S3			EAF	
LWG01	03R003	TS	CR	026	WB	HHRA/ERA	10/11/02	18:37	F8	S3			EAF	
LWG01	03R003	TS	CR	027	WB	HHRA/ERA	10/11/02	18 37	F8	S3			EAF	
LWG01	03R004	TS	CR	001	WB	HHRA/ERA	8/10/02	10·26	F8	S3			JM	
LWG01	03R004	TS	CR	002	WB	HHRA/ERA	9/10/02	16:32			11/20/02	03R004TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R004	TS	CR	003	WB	HHRA/ERA	9/10/02	16:28			11/20/02	03R004TSCRWBC00	JM	JS/LF/SN/JC
LWG01	03R004	TS	CR	004	WB	HHRA/ERA	9/10/02	16.50			11/20/02	03R004TSCRWBC00	JM	JS/LF/SN/JC
LWG01	03R004	TS	CR	005	WB	HHRA/ERA	9/11/02	16.47			11/20/02	03R004TSCRWBC00	SN	JS/LF/SN/JC
LWG01	03R004	TS	CR	006	WB	HHRA/ERA	9/12/02	17:15			11/20/02	03R004TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R004	TS	CR	007	WB	HHRA/ERA	9/17/02	13:10	F8	S3			EAF	
LWG01	03R004	TS	CR	008	WB	HHRA/ERA	10/2/02	12·43			11/20/02	03R004TSCRWBC00	EAF	JS/LF/SN/JC

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	03R004	TS	CR	009	WB	HHRA/ERA	10/2/02	12.36			11/20/02	03R004TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R004	TS	CR	010	WB	HHRA/ERA	10/2/02	12:25			11/20/02	03R004TSCRWBC00	SN	JS/LF/SN/JC
LWG01	03R004	TS	CR	011	WB	HHRA/ERA	10/2/02	12.34	F8	S3			SN	
LWG01	03R004	TS	CR	012	WB	HHRA/ERA	10/2/02	12:43	F8	S3			SN	
LWG01	03R004	TS	CR	013	WB	HHRA/ERA	10/2/02	12·18	F8	S3			SN	
LWG01	03R004	TS	CR	014	WB	HHRA/ERA	10/2/02	12.20	F8	S3			EAF	
LWG01	03R004	TS	CR	015	WB	HHRA/ERA	10/2/02	12:27	F8	S3			EAF	
LWG01	03R004	TS	CR	016	WB	HHRA/ERA	10/24/02	13·42	F8	S3			JS	
LWG01	03R005	TS	CR	001	WB	ERA/HHRA	7/30/02	16.44			11/20/02	03R005TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R005	TS	CR	002	WB	ERA/HHRA	7/31/02	15:50			11/20/02	03R005TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R005	TS	CR	003	WB	HHRA/ERA	8/8/02	10·38			11/20/02	03R005TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R005	TS	CR	004	WB	HHRA/ERA	8/8/02	11:03			11/20/02	03R005TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R005	TS	CR	005	WB	HHRA/ERA	8/8/02	10 42			11/20/02	03R005TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R005	TS	CR	006	WB	HHRA/ERA	8/9/02	13:57			11/20/02	03R005TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R005	TS	CR	007	WB	HHRA/ERA	9/5/02	15:52			11/20/02	03R005TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R005	TS	CR	008	WB	HHRA/ERA	9/10/02	16·25			11/20/02	03R005TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R005	TS	CR	009	WB	HHRA/ERA	10/10/02	10.35			11/20/02	03R005TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R008	TS	CR	001	WB	ERA/HHRA	7/31/02	15.45			11/20/02	03R008TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R008	TS	CR	002	WB	ERA/HHRA	7/31/02	15:45			11/20/02	03R008TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R008	TS	CR	003	WB	HHRA/ERA	9/5/02	9:40			11/20/02	03R008TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R008	TS	CR	004	WB	HHRA/ERA	9/5/02	9:47	F8	S3			EAF	
LWG01	03R008	TS	CR	005	WB	HHRA/ERA	9/5/02	16·46			11/20/02	03R008TSCRWBC00	SN	JS/LF/SN/JC
LWG01	03R008	TS	CR	006	WB	HHRA/ERA	9/5/02	16:40			11/20/02	03R008TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R008	TS	CR	007	WB	HHRA/ERA	9/13/02	16:14			11/20/02	03R008TSCRWBC00	SN	JS/LF/SN/JC
LWG01	03R008	TS	CR	008	WB	HHRA/ERA	9/13/02	16 15			11/20/02	03R008TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R008	TS	CR	009	WB	HHRA/ERA	9/13/02	16:28	F8	S3			SN	
LWG01	03R008	TS	CR	010	WB	HHRA/ERA	9/13/02	16·31	F8	S3			EAF	
LWG01	03R008	TS	CR	011	WB	HHRA/ERA	9/13/02	16.21	F8	S3			SN	
LWG01	03R008	TS	CR	012	WB	HHRA/ERA	9/13/02	16 07	F8	S3			EAF	
LWG01	03R008	TS	CR	013	WB	HHRA/ERA	10/9/02	12.18	F8	S3			SN	
LWG01	03R008	TS	CR	014	WB	HHRA/ERA	10/9/02	12·52	F8	S3			SN	
LWG01	03R008	TS	CR	015	WB	HHRA/ERA	10/9/02	12·48	F8	S3			EAF	
LWG01	03R008	TS	CR	016	WB	HHRA/ERA	10/9/02	12·38			11/20/02	03R008TSCRWBC00	SN	JS/LF/SN/JC
LWG01	03R008	TS	CR	017	WB	HHRA/ERA	10/10/02	10 35	F8	S3			EAF	
LWG01	03R009	TS	CR	001	WB	ERA/HHRA	7/27/02	12 15			11/20/02	03R009TSCRWBC00	EAF	JS/LF/SN/JC

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	03R009	TS	CR	002	WB	ERA/HHRA	7/27/02	12.16	F8	S3			EAF	
LWG01	03R009	TS	CR	003	WB	ERA/HHRA	7/27/02	12·15	F8	S3			EAF	
LWG01	03R009	TS	CR	004	WB	ERA/HHRA	7/27/02	12.20			11/20/02	03R009TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R009	TS	CR	005	WB	ERA/HHRA	7/27/02	12 23			11/20/02	03R009TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R009	TS	CR	006	WB	HHRA/ERA	9/5/02	9:53			11/20/02	03R009TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R009	TS	CR	007	WB	HHRA/ERA	9/5/02	16·12	F8	S3			EAF	
LWG01	03R009	TS	CR	008	WB	HHRA/ERA	10/10/02	10 25			11/20/02	03R009TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R009	TS	CR	008	WB	HHRA/ERA	10/11/02	14:35			11/20/02	03R009TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R009	TS	CR	009	WB	HHRA/ERA	10/10/02	10:35	F8	S3			EAF	
LWG01	03R009	TS	CR	009	WB	HHRA/ERA	10/11/02	14.35	F8	S3			EAF	
LWG01	03R009	TS	CR	010	WB	HHRA/ERA	10/11/02	14 35	F8	S3			EAF	
LWG01	03R009	TS	CR	011	WB	HHRA/ERA	10/11/02	14:35	F8	S3			EAF	
LWG01	03R009	TS	CR	012	WB	HHRA/ERA	10/11/02	14 35	F8	S3			EAF	
LWG01	03R009	TS	CR	015	WB	HHRA/ERA	10/11/02	18:37			11/20/02	03R009TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R009	TS	CR	016	WB	HHRA/ERA	10/15/02	9:15	F8	S3			JS	
LWG01	03R009	TS	CR	017	WB	HHRA/ERA	10/15/02	9:15			11/20/02	03R009TSCRWBC00	JS	JS/LF/SN/JC
LWG01	03R009	TS	CR	018	WB	HHRA/ERA	10/15/02	9 15	F8	S3			JS	
LWG01	03R009	TS	CR	019	WB	HHRA/ERA	10/15/02	9:15			11/20/02	03R009TSCRWBC00	JS	JS/LF/SN/JC
LWG01	03R009	TS	CR	020	WB	HHRA/ERA	10/14/02	16·30	F8	S3			EAF	
LWG01	03R009	TS	CR	021	WB	HHRA/ERA	10/14/02	16·30	F8	S3			EAF	
LWG01	03R032	TS	CR	001	WB	HHRA/ERA	10/3/02	1719			11/20/02	03R032TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R032	TS	CR	002	WB	HHRA/ERA	10/3/02	1639	F8	S4			SN	
LWG01	03R032	TS	CR	003	WB	HHRA/ERA	10/3/02	1629			11/20/02	03R032TSCRWBC00	SN	JS/LF/SN/JC
LWG01	03R032	TS	CR	004	WB	HHRA/ERA	10/3/02	1645			11/20/02	03R032TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R032	TS	CR	005	WB	HHRA/ERA	10/3/02	1655			11/20/02	03R032TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R032	TS	CR	006	WB	HHRA/ERA	10/3/02	16:12	F8	S4			EAF	
LWG01	03R032	TS	CR	007	WB	HHRA/ERA	10/3/02	1620			11/20/02	03R032TSCRWBC00	SN	JS/LF/SN/JC
LWG01	03R032	TS	CR	008	WB	HHRA/ERA	10/3/02	1701			11/20/02	03R032TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R032	TS	CR	009	WB	HHRA/ERA	10/3/02	1700			11/20/02	03R032TSCRWBC00	SN	JS/LF/SN/JC
LWG01	03R032	TS	CR	010	WB	HHRA/ERA	10/3/02	1710			11/20/02	03R032TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R032	TS	CR	011	WB	HHRA/ERA	10/3/02	1625	F8	S4			EAF	
LWG01	03R032	TS	CR	012	WB	HHRA/ERA	10/3/02	1630			11/20/02	03R032TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	03R032	TS	CR	013	WB	HHRA/ERA	10/3/02	1650	F8	S4			EAF	
LWG01	03R032	TS	CR	014	WB	HHRA/ERA	10/3/02	1642	F8	S4			EAF	
LWG01	03R032	TS	CR	015	WB	HHRA/ERA	10/3/02	1730	F8	S4			SN	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	03R032	TS	CR	016	WB	HHRA/ERA	10/3/02	1716	F8	S4			SN	
LWG01	03R032	TS	CR	017	WB	HHRA/ERA	10/3/02	1725	F8	S4			EAF	
LWG01	03R032	TS	CR	018	WB	HHRA/ERA	10/3/02	1708	F8	S4			SN	
LWG01	03R032	TS	CR	019	WB	HHRA/ERA	10/3/02	1723	F8	S4			SN	
LWG01	04R002	TS	CR	001	WB	HHRA/ERA	9/11/02	16:57			11/20/02	04R002TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	04R002	TS	CR	002	WB	HHRA/ERA	9/28/02	11:36			11/20/02	04R002TSCRWBC00	JM	JS/LF/SN/JC
LWG01	04R002	TS	CR	003	WB	HHRA/ERA	9/28/02	11:45			11/20/02	04R002TSCRWBC00	JM	JS/LF/SN/JC
LWG01	04R002	TS	CR	004	WB	HHRA/ERA	10/1/02	15 36			11/20/02	04R002TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	04R002	TS	CR	005	WB	HHRA/ERA	10/1/02	15 08			11/20/02	04R002TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	04R002	TS	CR	006	WB	HHRA/ERA	10/1/02	15:32	F8	S4			SN	
LWG01	04R002	TS	CR	007	WB	HHRA/ERA	10/1/02	15:54	F8	S4			EAF	
LWG01	04R002	TS	CR	008	WB	HHRA/ERA	10/1/02	15:53	F8	S4			SN	
LWG01	04R002	TS	CR	009	WB	HHRA/ERA	10/1/02	12·46			11/20/02	04R002TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	04R002	TS	CR	010	WB	HHRA/ERA	10/1/02	15:24	F8	S4			SN	
LWG01	04R002	TS	CR	011	WB	HHRA/ERA	10/1/02	15:28			11/20/02	04R002TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	04R002	TS	CR	012	WB	HHRA/ERA	10/1/02	15:42			11/20/02	04R002TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	04R002	TS	CR	013	WB	HHRA/ERA	10/1/02	15·39	F8	S4			SN	
LWG01	04R002	TS	CR	014	WB	HHRA/ERA	10/1/02	15:06	F8	S4			SN	
LWG01	04R002	TS	CR	015	WB	HHRA/ERA	10/1/02	15.46	F8	S4			SN	
LWG01	04R002	TS	CR	016	WB	HHRA/ERA	10/1/02	15:49	F8	S4			EAF	
LWG01	04R002	TS	CR	017	WB	HHRA/ERA	10/24/02	12:45			11/20/02	04R002TSCRWBC00	JS	JS/LF/SN/JC
LWG01	04R003	TS	CR	001	WB	HHRA/ERA	9/11/02	16·57			11/20/02	04R003TSCRWBC00	SN	JS/LF/SN/JC
LWG01	04R003	TS	CR	002	WB	HHRA/ERA	9/17/02	13:12			11/20/02	04R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	04R003	TS	CR	003	WB	HHRA/ERA	9/17/02	13:27			11/20/02	04R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	04R003	TS	CR	004	WB	HHRA/ERA	9/17/02	13.41			11/20/02	04R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	04R003	TS	CR	005	WB	HHRA/ERA	9/17/02	13:36			11/20/02	04R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	04R003	TS	CR	006	WB	HHRA/ERA	9/17/02	13.52			11/20/02	04R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	04R003	TS	CR	007	WB	HHRA/ERA	9/17/02	13:27			11/20/02	04R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	04R003	TS	CR	008	WB	HHRA/ERA	9/17/02	13:46			11/20/02	04R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	04R004	TS	CR	001	WB	HHRA/ERA	9/12/02	17.10			11/20/02	C10	SN	JS/LF/SN/JC
LWG01	04R004	TS	CR	002	WB	HHRA/ERA	9/12/02	17:05			11/20/02	C20	EAF	JS/LF/SN/JC
LWG01	04R004	TS	CR	003	WB	HHRA/ERA	9/12/02	17·13			11/20/02	C20	EAF	JS/LF/SN/JC
LWG01	04R004	TS	CR	004	WB	HHRA/ERA	9/12/02	16.50			11/20/02	C10	EAF	JS/LF/SN/JC
LWG01	04R004	TS	CR	005	WB	HHRA/ERA	9/13/02	16.24			11/20/02	C20	EAF	JS/LF/SN/JC
LWG01	04R004	TS	CR	006	WB	HHRA/ERA	9/18/02	14·45			11/20/02	C20	SN	JS/LF/SN/JC

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	04R004	TS	CR	007	WB	HHRA/ERA	9/18/02	14.33			11/20/02	C10	SN	JS/LF/SN/JC
LWG01	04R004	TS	CR	008	WB	HHRA/ERA	9/19/02	16:45			11/20/02	C10	JM	JS/LF/SN/JC
LWG01	04R004	TS	CR	009	WB	HHRA/ERA	9/20/02	15 35			11/20/02	C10	JM	JS/LF/SN/JC
LWG01	04R004	TS	CR	010	WB	HHRA/ERA	9/20/02	18:05			11/20/02	C20	JM	JS/LF/SN/JC
LWG01	04R004	TS	CR	011	WB	HHRA/ERA	10/9/02	11:43			11/20/02	C20	SN	JS/LF/SN/JC
LWG01	04R004	TS	CR	012	WB	HHRA/ERA	10/9/02	12:34			11/20/02	C20	EAF	JS/LF/SN/JC
LWG01	04R004	TS	CR	013	WB	HHRA/ERA	10/9/02	11:31			11/20/02	C10	EAF	JS/LF/SN/JC
LWG01	04R004	TS	CR	014	WB	HHRA/ERA	10/9/02	12.58			11/20/02	C10	SN	JS/LF/SN/JC
LWG01	04R004	TS	CR	015	WB	HHRA/ERA	10/9/02	11:47			11/20/02	C10	SN	JS/LF/SN/JC
LWG01	04R004	TS	CR	016	WB	HHRA/ERA	10/9/02	12:46			11/20/02	C10	SN	JS/LF/SN/JC
LWG01	04R004	TS	CR	017	WB	HHRA/ERA	10/24/02	13 30	F8	S3			JS	
LWG01	04R004	TS	CR	018	WB	HHRA/ERA	10/29/02	11 43			11/20/02	C20	JS	JS/LF/SN/JC
LWG01	04R004	TS	CR	019	WB	HHRA/ERA	11/1/02	15:05			11/20/02	C20	EAF	JS/LF/SN/JC
LWG01	04R004	TS	CR	020	WB	HHRA/ERA	11/1/02	17:05			11/20/02	C20	JS	JS/LF/SN/JC
LWG01	04R004	TS	CR	021	WB	HHRA/ERA	11/1/02	17:05	F8	S3			JS	
LWG01	05R001	TS	CR	001	WB	HHRA/ERA	9/25/02	12:03			11/20/02	05R001TSCRWBC00	SN	JS/LF/SN/JC
LWG01	05R001	TS	CR	002	WB	HHRA/ERA	9/25/02	11 50	F8	S4			SN	
LWG01	05R001	TS	CR	003	WB	HHRA/ERA	9/25/02	11 53			11/20/02	05R001TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	05R001	TS	CR	004	WB	HHRA/ERA	9/26/02	11 02	F8	S4			EAF	
LWG01	05R001	TS	CR	005	WB	HHRA/ERA	9/26/02	11:07	F8	S4			EAF	
LWG01	05R001	TS	CR	006	WB	HHRA/ERA	9/26/02	11.14	F8	S4			SN	
LWG01	05R001	TS	CR	007	WB	HHRA/ERA	9/26/02	10 49			11/20/02	05R001TSCRWBC00	SN	JS/LF/SN/JC
LWG01	05R001	TS	CR	008	WB	HHRA/ERA	9/26/02	10 51			11/20/02	05R001TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	05R001	TS	CR	009	WB	HHRA/ERA	9/28/02	11:30			11/20/02	05R001TSCRWBC00	JM	JS/LF/SN/JC
LWG01	05R001	TS	CR	010	WB	HHRA/ERA	9/28/02	11.35	F8	S4			SN	
LWG01	05R001	TS	CR	011	WB	HHRA/ERA	10/1/02	11:08			11/20/02	05R001TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	05R001	TS	CR	012	WB	HHRA/ERA	10/1/02	15.19			11/20/02	05R001TSCRWBC00	SN	JS/LF/SN/JC
LWG01	05R001	TS	CR	013	WB	HHRA/ERA	10/1/02	11·37			11/20/02	05R001TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	05R001	TS	CR	014	WB	HHRA/ERA	10/1/02	11:55	F8	S4			EAF	
LWG01	05R001	TS	CR	015	WB	HHRA/ERA	10/1/02	15:12	F8	S4			EAF	
LWG01	05R001	TS	CR	016	WB	HHRA/ERA	10/1/02	15 20	F8	S4			EAF	
LWG01	05R003	TS	CR	001	WB	HHRA/ERA	8/6/02	12·41			11/20/02	05R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	05R003	TS	CR	002	WB	HHRA/ERA	8/6/02	12 25			11/20/02	05R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	05R003	TS	CR	003	WB	HHRA/ERA	8/6/02	12·34			11/20/02	05R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	05R003	TS	CR	004	WB	HHRA/ERA	8/7/02	13 50			11/20/02	05R003TSCRWBC00	EAF	JS/LF/SN/JC

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	05R003	TS	CR	005	WB	HHRA/ERA	8/7/02	13:57			11/20/02	05R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	05R003	TS	CR	008	WB	HHRA/ERA	8/9/02	14:08			11/20/02	05R003TSCRWBC00	SRJ	JS/LF/SN/JC
LWG01	05R003	TS	CR	009	WB	HHRA/ERA	8/9/02	14:12	F8	S3			EAF	
LWG01	05R003	TS	CR	010	WB	HHRA/ERA	8/9/02	12·32			11/20/02	05R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	06R001	TS	CR	001	WB	HHRA/ERA	8/7/02	12:36			11/20/02	06R001TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	06R001	TS	CR	002	WB	HHRA/ERA	8/7/02	13:53			11/20/02	06R001TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	06R001	TS	CR	003	WB	ERA/HHRA	8/27/02	15:45			11/20/02	06R001TSCRWBC00	JM	JS/LF/SN/JC
LWG01	06R001	TS	CR	004	WB	ERA/HHRA	8/27/02	15:58			11/20/02	06R001TSCRWBC00	JM	JS/LF/SN/JC
LWG01	06R001	TS	CR	005	WB	HHRA/ERA	8/30/02	15.11			11/20/02	06R001TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	06R001	TS	CR	006	WB	HHRA/ERA	8/10/02	11:00			11/20/02	06R001TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	06R001	TS	CR	007	WB	HHRA/ERA	9/18/02	14:34			11/20/02	06R001TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	06R001	TS	CR	008	WB	HHRA/ERA	9/20/02	17.40			11/20/02	06R001TSCRWBC00	JM	JS/LF/SN/JC
LWG01	06R001	TS	CR	009	WB	HHRA/ERA	9/25/02	11:39	F8	S4			EAF	
LWG01	06R001	TS	CR	010	WB	HHRA/ERA	9/26/02	10 41			11/20/02	06R001TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	06R001	TS	CR	011	WB	HHRA/ERA	10/9/02	12.24	F8	S4			SN	
LWG01	06R001	TS	CR	012	WB	HHRA/ERA	10/9/02	12:15	F8	S4			EAF	
LWG01	06R001	TS	CR	013	WB	HHRA/ERA	10/10/02	10 35			11/20/02	06R001TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	06R001	TS	CR	014	WB	HHRA/ERA	10/10/02	10 35			11/20/02	06R001TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	06R002	TS	CR	001	WB	HHRA/ERA	8/6/02	12.10	F8	S3			EAF	
LWG01	06R002	TS	CR	002	WB	HHRA/ERA	8/7/02	10·59			11/20/02	06R002TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	06R002	TS	CR	003	WB	HHRA/ERA	8/7/02	12·56			11/20/02	06R002TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	06R002	TS	CR	004	WB	HHRA/ERA	8/7/02	13:50			11/20/02	06R002TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	06R002	TS	CR	005	WB	HHRA/ERA	8/8/02	11·08			11/20/02	06R002TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	06R002	TS	CR	006	WB	HHRA/ERA	8/8/02	10 49			11/20/02	06R002TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	06R002	TS	CR	007	WB	HHRA/ERA	8/8/02	10 50	F8	S3			SN	
LWG01	06R002	TS	CR	008	WB	HHRA/ERA	8/8/02	11.12			11/20/02	06R002TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	06R002	TS	CR	009	WB	HHRA/ERA	10/9/02	11·57			11/20/02	06R002TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	06R002	TS	CR	010	WB	HHRA/ERA	10/9/02	13:08			11/20/02	06R002TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	06R002	TS	CR	011	WB	HHRA/ERA	10/9/02	12:30	F8	S3			EAF	
LWG01	06R002	TS	CR	012	WB	HHRA/ERA	10/9/02	12:13	F8	S3			SN	
LWG01	06R002	TS	CR	013	WB	HHRA/ERA	10/9/02	12:55	F8	S3			EAF	
LWG01	06R002	TS	CR	014	WB	HHRA/ERA	10/9/02	11 54	F8	S3			SN	
LWG01	06R002	TS	CR	015	WB	HHRA/ERA	10/9/02	12·09	F8	S3			EAF	
LWG01	06R002	TS	CR	016	WB	HHRA/ERA	10/9/02	11 23	F8	S3			SN	
LWG01	06R002	TS	CR	017	WB	HHRA/ERA	10/9/02	12 41	F8	S3			EAF	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	06R002	TS	CR	018	WB	HHRA/ERA	10/9/02	12·03	F8	S3			EAF	
LWG01	06R002	TS	CR	019	WB	HHRA/ERA	10/9/02	11.30	F8	S3			SN	
LWG01	06R002	TS	CR	020	WB	HHRA/ERA	10/9/02	12 07	F8	S3			SN	
LWG01	06R002	TS	CR	021	WB	HHRA/ERA	10/9/02	12:20	F8	S3			EAF	
LWG01	06R002	TS	CR	022	WB	HHRA/ERA	10/9/02	11 51	F8	S3			EAF	
LWG01	06R002	TS	CR	023	WB	HHRA/ERA	10/9/02	13·13	F8	S3			SN	
LWG01	06R002	TS	CR	024	WB	HHRA/ERA	10/9/02	11.25	F8	S3			EAF	
LWG01	06R002	TS	CR	025	WB	HHRA/ERA	10/9/02	11·59	F8	S3			SN	
LWG01	06R002	TS	CR	026	WB	HHRA/ERA	10/9/02	11 38	F8	S3			EAF	
LWG01	06R002	TS	CR	027	WB	HHRA/ERA	10/9/02	13·00	F8	S3			EAF	
LWG01	06R002	TS	CR	028	WB	HHRA/ERA	10/9/02	12:26	F8	S3			EAF	
LWG01	06R002	TS	CR	029	WB	HHRA/ERA	10/9/02	11.45	F8	S3			EAF	
LWG01	06R004	TS	CR	001	WB	HHRA/ERA	8/6/02	12 38			11/20/02	C10	EAF	JS/LF/SN/JC
LWG01	06R004	TS	CR	002	WB	HHRA/ERA	8/7/02	11 19			11/20/02	C10	EAF	JS/LF/SN/JC
LWG01	06R004	TS	CR	003	WB	HHRA/ERA	8/7/02	11 05			11/20/02	C10	EAF	JS/LF/SN/JC
LWG01	06R004	TS	CR	004	WB	HHRA/ERA	8/7/02	12:29	F8	S3			EAF	
LWG01	06R004	TS	CR	005	WB	HHRA/ERA	8/7/02	12:22			11/20/02	C10	EAF	JS/LF/SN/JC
LWG01	06R004	TS	CR	006	WB	HHRA/ERA	8/7/02	12:45			11/20/02	C10	EAF	JS/LF/SN/JC
LWG01	06R004	TS	CR	008	WB	HHRA/ERA	8/7/02	12·18			11/20/02	C10	EAF	JS/LF/SN/JC
LWG01	06R004	TS	CR	009	WB	HHRA/ERA	8/7/02	13.41			11/20/02	C10	EAF	JS/LF/SN/JC
LWG01	06R004	TS	CR	010	WB	HHRA/ERA	8/7/02	13:02	F8	S3			EAF	
LWG01	06R004	TS	CR	011	WB	HHRA/ERA	10/25/02	10 53	F8	S3			EAF	
LWG01	06R004	TS	CR	012	WB	HHRA/ERA	10/25/02	10 53	F8	S3			EAF	
LWG01	06R004	TS	CR	013	WB	HHRA/ERA	10/29/02	11.42			11/20/02	C10	JS	JS/LF/SN/JC
LWG01	06R004	TS	CR	014	WB	HHRA/ERA	10/29/02	11·44	F8	S3			JS	
LWG01	06R004	TS	CR	015	WB	HHRA/ERA	10/30/02	17 00			11/20/02	C20	EAF	JS/LF/SN/JC
LWG01	06R004	TS	CR	016	WB	HHRA/ERA	10/30/02	17·00			11/20/02	C20	EAF	JS/LF/SN/JC
LWG01	06R004	TS	CR	017	WB	HHRA/ERA	10/30/02	17 00			11/20/02	C20	EAF	JS/LF/SN/JC
LWG01	06R004	TS	CR	018	WB	HHRA/ERA	10/30/02	17:00			11/20/02	C20	EAF	JS/LF/SN/JC
LWG01	06R004	TS	CR	019	WB	HHRA/ERA	10/31/02	12:30			11/20/02	C20	JS	JS/LF/SN/JC
LWG01	06R004	TS	CR	020	WB	HHRA/ERA	10/31/02	12:30	F8	S3			JS	
LWG01	06R004	TS	CR	021	WB	HHRA/ERA	10/31/02	12:30			11/20/02	C20	JS	JS/LF/SN/JC
LWG01	06R004	TS	CR	022	WB	HHRA/ERA	10/31/02	12·30			11/20/02	C20	JS	JS/LF/SN/JC
LWG01	06R004	TS	CR	023	WB	HHRA/ERA	10/31/02	12:30	F8	S3			JS	
LWG01	06R004	TS	CR	024	WB	HHRA/ERA	10/31/02	12.30	F8	S3			JS	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	06R004	TS	CR	025	WB	HHRA/ERA	10/31/02	12.30			11/20/02	C20	JS	JS/LF/SN/JC
LWG01	06R004	TS	CR	026	WB	HHRA/ERA	10/31/02	12 30	F8	S3			JS	
LWG01	07R003	TS	CR	001	WB	HHRA/ERA	10/8/02	1205			11/20/02	07R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	07R003	TS	CR	002	WB	HHRA/ERA	10/8/02	1118			11/20/02	07R003TSCRWBC00	SN	JS/LF/SN/JC
LWG01	07R003	TS	CR	003	WB	HHRA/ERA	10/8/02	1110			11/20/02	07R003TSCRWBC00	SN	JS/LF/SN/JC
LWG01	07R003	TS	CR	004	WB	HHRA/ERA	10/8/02	1131			11/20/02	07R003TSCRWBC00	SN	JS/LF/SN/JC
LWG01	07R003	TS	CR	005	WB	HHRA/ERA	10/10/02	10:35			11/20/02	07R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	07R003	TS	CR	006	WB	HHRA/ERA	10/10/02	10:35			11/20/02	07R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	07R003	TS	CR	007	WB	HHRA/ERA	10/10/02	10:35			11/20/02	07R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	07R003	TS	CR	008	WB	HHRA/ERA	10/11/02	14:35			11/20/02	07R003TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	07R004	TS	CR	001	WB	HHRA/ERA	8/14/02	11.52			11/20/02	07R004TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	07R004	TS	CR	002	WB	HHRA/ERA	8/14/02	12:20			11/20/02	07R004TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	07R004	TS	CR	003	WB	HHRA/ERA	8/14/02	12·03			11/20/02	07R004TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	07R004	TS	CR	004	WB	HHRA/ERA	8/14/02	12:20			11/20/02	07R004TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	07R004	TS	CR	005	WB	HHRA/ERA	8/15/02	11·51			11/20/02	07R004TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	07R004	TS	CR	006	WB	ERA/HHRA	8/27/02	15.47			11/20/02	07R004TSCRWBC00	JM	JS/LF/SN/JC
LWG01	07R004	TS	CR	007	WB	HHRA/ERA	8/30/02	14:33			11/20/02	07R004TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	07R004	TS	CR	008	WB	HHRA/ERA	8/30/02	15:11			11/20/02	07R004TSCRWBC00	EAF	JS/LF/SN/JC
LWG01	07R006	TS	CR	004	WB	HHRA/ERA	11/9/02	18·39					SN	
LWG01	07R006	TS	CR	005	WB	HHRA/ERA	11/10/02	17:23			11/20/02	07R006TSCRWBC00	SN	JS/LF/SN/JC
LWG01	07R006	TS	CR	006	WB	HHRA/ERA	11/10/02	17.23			11/20/02	07R006TSCRWBC00	SN	JS/LF/SN/JC
LWG01	07R006	TS	CR	007	WB	HHRA/ERA	11/10/02	17·23			11/20/02	07R006TSCRWBC00	SN	JS/LF/SN/JC
LWG01	07R006	TS	CR	008	WB	HHRA/ERA	11/10/02	17:23					SN	
LWG01	07R006	TS	CR	009	WB	HHRA/ERA	11/10/02	17.23			11/20/02	07R006TSCRWBC00	SN	JS/LF/SN/JC
LWG01	07R006	TS	CR	010	WB	HHRA/ERA	11/10/02	17:23			11/20/02	07R006TSCRWBC00	SN	JS/LF/SN/JC
LWG01	07R006	TS	CR	011	WB	HHRA/ERA	11/10/02	17:23					SN	
LWG01	07R006	TS	CR	012	WB	HHRA/ERA	11/10/02	17:23					SN	
LWG01	08R001	TS	CR	001	WB	HHRA/ERA	8/15/02	12·09	F8	S3			SN	
LWG01	08R001	TS	CR	002	WB	HHRA/ERA	9/17/02	13:32			11/20/02		EAF	JS/LF/SN/JC
LWG01	08R001	TS	CR	003	WB	HHRA/ERA	9/17/02	13:56			11/20/02		EAF	JS/LF/SN/JC
LWG01	08R001	TS	CR	004	WB	HHRA/ERA	9/17/02	10:40			11/20/02		EAF	JS/LF/SN/JC
LWG01	08R001	TS	CR	005	WB	HHRA/ERA	9/18/02	14:47			11/20/02		EAF	JS/LF/SN/JC
LWG01	08R001	TS	CR	006	WB	HHRA/ERA	10/3/02	1800	F8	S3			EAF	
LWG01	08R001	TS	CR	007	WB	HHRA/ERA	10/3/02	1732	F8	S3			EAF	
LWG01	08R001	TS	CR	008	WB	HHRA/ERA	10/4/02	1647	F8	S3			JS	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	08R001	TS	CR	015	WB	HHRA/ERA	10/24/02	13:57	F8	S3			JS	
LWG01	08R003	TS	CR	022	WB	HHRA/ERA	10/18/02	15:30	F8	S3			EAF	
LWG01	08R001	TS	CR	041	WB	HHRA/ERA	10/8/02	1204			11/20/02		SN	JS/LF/SN/JC
LWG01	08R001	TS	CR	042	WB	HHRA/ERA	10/8/02	1133			11/20/02		EAF	JS/LF/SN/JC
LWG01	08R001	TS	CR	043	WB	HHRA/ERA	10/8/02	1158			11/20/02		EAF	JS/LF/SN/JC
LWG01	08R001	TS	CR	044	WB	HHRA/ERA	10/8/02	1147	F8	S3			SN	
LWG01	08R001	TS	CR	045	WB	HHRA/ERA	10/8/02	1113			11/20/02		EAF	JS/LF/SN/JC
LWG01	08R001	TS	CR	046	WB	HHRA/ERA	10/8/02	1100	F8	S3			EAF	
LWG01	08R001	TS	CR	047	WB	HHRA/ERA	10/25/02	10 53	F8	S3			EAF	
LWG01	08R002	TS	CR	001	WB	HHRA/ERA	8/15/02	11:58	F1	S4			SN	
LWG01	08R002	TS	CR	002	WB	HHRA/ERA	8/16/02	11:15	F1	S4			EAF	
LWG01	08R002	TS	CR	003	WB	HHRA/ERA	9/18/02	14:38	F8	S3			EAF	
LWG01	08R002	TS	CR	004	WB	HHRA/ERA	9/18/02	14 22	F8	S3			EAF	
LWG01	08R002	TS	CR	005	WB	HHRA/ERA	9/19/02	16·52	F8	S3			JM	
LWG01	08R002	TS	CR	006	WB	HHRA/ERA	9/19/02	16.36	F8	S3			SN	
LWG01	08R002	TS	CR	007	WB	HHRA/ERA	9/19/02	17·01	F8	S3			JM	
LWG01	08R002	TS	CR	008	WB	HHRA/ERA	9/24/02	10 46	F8	S4			EAF	
LWG01	08R002	TS	CR	009	WB	HHRA/ERA	9/25/02	11:44	F8	S4			EAF	
LWG01	08R002	TS	CR	010	WB	HHRA/ERA	9/26/02	10:55	F8	S4			EAF	
LWG01	08R002	TS	CR	011	WB	HHRA/ERA	9/27/02	11·00	F8	S4			EAF	
LWG01	08R002	TS	CR	012	WB	HHRA/ERA	10/2/02	12:11	F8	S4			SN	
LWG01	08R002	TS	CR	013	WB	HHRA/ERA	10/2/02	12:14	F8	S4			EAF	
LWG01	08R002	TS	CR	014	WB	HHRA/ERA	10/2/02	12.05	F8	S4			EAF	
LWG01	08R002	TS	CR	015	WB	HHRA/ERA	10/3/02	1743	F8	S4			SN	
LWG01	08R002	TS	CR	016	WB	HHRA/ERA	10/3/02	1745	F8	S4			EAF	
LWG01	08R002	TS	CR	017	WB	HHRA/ERA	10/3/02	1750	F8	S4			SN	
LWG01	08R002	TS	CR	018	WB	HHRA/ERA	10/3/02	1736	F8	S4			SN	
LWG01	08R002	TS	CR	019	WB	HHRA/ERA	10/3/02	1806	F8	S4			SN	
LWG01	08R002	TS	CR	020	WB	HHRA/ERA	10/3/02	1758	F8	S4			SN	
LWG01	08R002	TS	CR	021	WB	HHRA/ERA	10/4/02	1540	F8	S3			JM	
LWG01	08R002	TS	CR	029	WB	HHRA/ERA	10/25/02	10·53	F8	D2			EAF	
LWG01	08R003	TS	CR	001	WB	HHRA/ERA	8/15/02	11:45	F1	S4			EAF	
LWG01	08R003	TS	CR	002	WB	HHRA/ERA	8/16/02	16:01	F1	S4			EAF	
LWG01	08R003	TS	CR	003	WB	HHRA/ERA	8/16/02	16 05	F1	S4			EAF	
LWG01	08R003	TS	CR	004	WB	HHRA/ERA	8/27/02	16 02	F1	S4			JM	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	08R003	TS	CR	005	WB	ERA/HHRA	8/27/02	15·59	F1	S4			JM	
LWG01	08R003	TS	CR	006	WB	HHRA/ERA	8/30/02	15:15	F8	S3			EAF	
LWG01	08R003	TS	CR	007	WB	HHRA/ERA	8/30/02	17 07	F8	S3			EAF	
LWG01	08R003	TS	CR	008	WB	HHRA/ERA	8/30/02	16 24	F8	S3			SN	
LWG01	08R003	TS	CR	009	WB	HHRA/ERA	8/30/02	16 25	F8	S3			EAF	
LWG01	08R003	TS	CR	010	WB	HHRA/ERA	10/10/02	10 35	F2	S4			EAF	
LWG01	08R003	TS	CR	011	WB	HHRA/ERA	10/10/02	10 35	F2	S4			EAF	
LWG01	08R003	TS	CR	012	WB	HHRA/ERA	10/11/02	18:37	F8	S3			EAF	
LWG01	08R003	TS	CR	013	WB	HHRA/ERA	10/14/02	16:30	F8	S3			EAF	
LWG01	08R003	TS	CR	014	WB	HHRA/ERA	10/14/02	16 30	F8	S3			EAF	
LWG01	08R003	TS	CR	015	WB	HHRA/ERA	10/14/02	16·30	F8	S3			EAF	
LWG01	08R003	TS	CR	016	WB	HHRA/ERA	10/15/02	9:15	F8	S1			JS	
LWG01	08R003	TS	CR	017	WB	HHRA/ERA	10/16/02	10·33	F8	S3			EAF	
LWG01	08R003	TS	CR	018	WB	HHRA/ERA	10/17/02	12·45	F8	S3			SN	
LWG01	08R003	TS	CR	020	WB	HHRA/ERA	10/18/02	15:30	F8	S3			EAF	
LWG01	08R003	TS	CR	021	WB	HHRA/ERA	10/18/02	15·30	F8	S3			EAF	
LWG01	08R003	TS	CR	023	WB	HHRA/ERA	10/23/02	14.12	F8	S3			EAF	
LWG01	08R003	TS	CR	024	WB	HHRA/ERA	10/23/02	14·24	F8	S3			SN	
LWG01	08R003	TS	CR	025	WB	HHRA/ERA	10/23/02	14:20	F8	S3			EAF	
LWG01	08R003	TS	CR	026	WB	HHRA/ERA	10/24/02	12:51	F8	D1			JS	
LWG01	08R003	TS	CR	027	WB	HHRA/ERA	10/24/02	12:47	F8	D1			SN	
LWG01	08R003	TS	CR	028	WB	HHRA/ERA	10/24/02	12:57	F8	D1			SN	
LWG01	08R003	TS	CR	030	WB	HHRA/ERA	10/25/02	10.53	F8	D2			EAF	
LWG01	08R003	TS	CR	031	WB	HHRA/ERA	10/26/02	12:45	F8	D2			JM	
LWG01	08R003	TS	CR	032	WB	HHRA/ERA	10/26/02	12:37	F8	D2			JM	
LWG01	08R003	TS	CR	033	WB	HHRA/ERA	10/26/02	12 40	F8	D2			JM	
LWG01	09R001	TS	CR	001	WB	ERA/HHRA	8/27/02	16.09	F1	S4			JM	
LWG01	09R001	TS	CR	002	WB	ERA/HHRA	8/27/02	16:04	F1	S4			JM	
LWG01	09R001	TS	CR	003	WB	ERA/HHRA	8/27/02	15:59	F1	S4			JM	
LWG01	09R001	TS	CR	004	WB	ERA/HHRA	8/27/02	16.00	F1	S4			JM	
LWG01	09R001	TS	CR	006	WB	HHRA/ERA	8/30/02	15·20	F8	S3			EAF	
LWG01	09R001	TS	CR	007	WB	HHRA/ERA	8/30/02	15 50	F8	S3			EAF	
LWG01	09R001	TS	CR	008	WB	HHRA/ERA	8/30/02	15 50	F8	S3			EAF	
LWG01	09R001	TS	CR	009	WB	HHRA/ERA	8/30/02	16.05	F8	S3			SN	
LWG01	09R001	TS	CR	010	WB	HHRA/ERA	8/30/02	16 09	F8	S3			EAF	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	09R001	TS	CR	011	WB	HHRA/ERA	8/30/02	16:20	F8	S3			EAF	
LWG01	09R001	TS	CR	011	WB	HHRA/ERA	10/8/02	1155	F2	S4			SN	
LWG01	09R001	TS	CR	012	WB	HHRA/ERA	8/30/02	16:16	F8	S3			SN	
LWG01	09R001	TS	CR	013	WB	HHRA/ERA	8/30/02	15:50	F8	S3			EAF	
LWG01	09R001	TS	CR	014	WB	HHRA/ERA	10/4/02	1505	F8	S4			JM	
LWG01	09R001	TS	CR	015	WB	HHRA/ERA	10/4/02	1530	F8	S3			JM	
LWG01	09R001	TS	CR	016	WB	HHRA/ERA	10/4/02	1558	F8	S3			JM	
LWG01	09R001	TS	CR	017	WB	HHRA/ERA	10/4/02	1953	F8	D1			SN	
LWG01	09R001	TS	CR	018	WB	HHRA/ERA	10/4/02	2020	F8	D1			SN	
LWG01	09R001	TS	CR	019	WB	HHRA/ERA	10/4/02	1610	F8	D1			JM	
LWG01	09R001	TS	CR	020	WB	HHRA/ERA	10/4/02	1638	F8	D1			JS	
LWG01	09R001	TS	CR	021	WB	HHRA/ERA	10/4/02	1615	F8	D1			JM	
LWG01	09R001	TS	CR	022	WB	HHRA/ERA	10/4/02	1948	F8	D1			SN	
LWG01	09R001	TS	CR	023	WB	HHRA/ERA	10/4/02	2011	F8	D1			SN	
LWG01	09R001	TS	CR	024	WB	HHRA/ERA	10/4/02	1620	F8	D1			JM	
LWG01	09R001	TS	CR	025	WB	HHRA/ERA	11/1/02	16·50	F8	D2			JS	
LWG01	09R001	TS	CR	026	WB	HHRA/ERA	11/1/02	16 50	F8	D2			JS	
LWG01	09R003	TS	CR	001	WB	HHRA/ERA	9/18/02	14:53	F8	S3			SN	
LWG01	09R003	TS	CR	002	WB	HHRA/ERA	9/24/02	10.51	F8	S4			EAF	
LWG01	09R003	TS	CR	003	WB	HHRA/ERA	10/3/02	1738	F8	S4			EAF	
LWG01	09R003	TS	CR	004	WB	HHRA/ERA	10/3/02	1753	F8	S4			EAF	
LWG01	09R003	TS	CR	005	WB	HHRA/ERA	10/4/02	1520	F8	S3			JM	
LWG01	09R003	TS	CR	006	WB	HHRA/ERA	10/4/02	1510	F8	S4			JM	
LWG01	09R003	TS	CR	007	WB	HHRA/ERA	10/8/02	1139	F2	S4			SN	
LWG01	09R003	TS	CR	008	WB	HHRA/ERA	10/8/02	1123	F2	S4			SN	
LWG01	09R003	TS	CR	009	WB	HHRA/ERA	10/8/02	1140	F2	S4			EAF	
LWG01	09R003	TS	CR	010	WB	HHRA/ERA	10/8/02	1128	F2	S4			EAF	
LWG01	09R003	TS	CR	012	WB	HHRA/ERA	10/8/02	1120	F2	S4			EAF	
LWG01	09R003	TS	CR	013	WB	HHRA/ERA	10/9/02	11:36	F2	S4			SN	
LWG01	09R003	TS	CR	014	WB	HHRA/ERA	10/9/02	13.06	F2	S4			SN	
LWG01	09R003	TS	CR	017	WB	HHRA/ERA	11/6/02	17:40	F8	D2			EAF	
LWG01	09R003	TS	CR	018	WB	HHRA/ERA	11/6/02	17.40	F8	D2			EAF	
LWG01	09R003	TS	CR	019	WB	HHRA/ERA	11/6/02	17:40	F8	D2			EAF	
LWG01	09R003	TS	CR	020	WB	HHRA/ERA	11/6/02	17.40	F8	D2			EAF	
LWG01	09R003	TS	CR	021	WB	HHRA/ERA	11/6/02	17·40	F8	D2			EAF	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	LWGLAB	TS	FILTER	005	WB	HHRA/ERA	10/30/02	16 03	F7	-			EAF	
LWG01	LWGLAB	TS	FILTER	006	F	HHRA	11/1/02	16 03	F7	-			EAF	
LWG01	LWGLAB	TS	FILTER	001	F	HHRA/ERA	10/23/02	13:55	F7	-			SN	
LWG01	LWGLAB	TS	FILTER	004	WB	HHRA/ERA	10/23/02	14 00	F7	-			EAF	
LWG01	LWBLAB	TS	FILTER	003	F	HHRA	10/1/02	14 43	F7	-			EAF	
LWG01	LWGLAB	TS	FILTER	003	WB	HHRA/ERA	10/1/02	14·20	F7	-			EAF	
LWG01	LWGLAB	TS	FILTER	004	WB	HHRA/ERA	10/9/02	13·15	F7	-			EAF	
LWG01	LWBLAB	TS	FILTER	004	F	HHRA	10/9/02	13:25	F7	-			SN	
LWG01	LWGLAB	TS	FILTER	001	F	HHRA	9/17/02	12:20	F7	-			EAF	
LWG01	LWGLAB	TS	FILTER	001	WB	HHRA/ERA	9/17/02	12·20	F7	-			SN	
LWG01	LWGLAB	TS	FILTER	002	WB	HHRA/ERA	9/25/02	10:45	F7	-			EAF	
LWG01	LWGLAB	TS	FILTER	002	F	HHRA	9/25/02	11·00	F7	-			EAF	
LWG01	04R004	TS	LA	001	WB	ERA	8/30/02	17.15	F7	-			SN	
LWG01	07R002	TS	LA	001	WB	ERA	8/29/02	8:30	F7	-			EAF	
LWG01	07R002	TS	LA	002	WB	ERA	8/30/02	17:20	F7	-			EAF	
LWG01	03R014	TS	LS	001	WB	ERA	7/23/02	2:30	F2	S2			EAF	
LWG01	03R014	TS	LS	002	WB	ERA	7/23/02	2:30			9/17/02		EAF	JS/LF/SN
LWG01	03R014	TS	LS	003	WB	ERA	7/23/02	2 30			11/27/02	03R014TSLSWBC20	EAF	EF/JS
LWG01	03R014	TS	LS	004	WB	ERA	7/23/02	2·30	F2	S2			EAF	
LWG01	03R014	TS	LS	005	WB	ERA	7/23/02	2:30	F2	S2			EAF	
LWG01	03R014	TS	LS	006	WB	ERA	7/23/02	2:30			9/17/02		EAF	JS/LF/SN
LWG01	03R014	TS	LS	007	WB	ERA	7/23/02	2.30			11/27/02	03R014TSLSWBC20	EAF	EF/JS
LWG01	03R014	TS	LS	008	WB	ERA	7/23/02	2·30			9/17/02		EAF	JS/LF/SN
LWG01	03R014	TS	LS	009	WB	ERA	7/23/02	2:30			11/27/02	03R014TSLSWBC20	EAF	EF/JS
LWG01	03R014	TS	LS	010	WB	ERA	7/24/02	11:09	F2	S2			EAF	
LWG01	05R006	TS	LS	001	WB	HHRA	7/31/02	18:22	F2	S3			EAF	
LWG01	05R006	TS	LS	002	WB	HHRA	7/31/02	18:16	F2	S3			EAF	
LWG01	05R006	TS	LS	003	WB	HHRA	7/31/02	17:25	F2	S3			EAF	
LWG01	05R006	TS	LS	004	WB	ERA	8/7/02	14:52			9/17/02		EAF	JS/LF/SN
LWG01	05R006	TS	LS	005	WB	ERA	8/7/02	14:47			9/17/02		SN	JS/LF/SN
LWG01	05R006	TS	LS	006	WB	ERA	8/7/02	14:38	F2	S3			EAF	
LWG01	05R006	TS	LS	007	WB	ERA	8/7/02	14 30	F2	S3			SN	
LWG01	07R009	TS	LS	001	WB	ERA	8/10/02	9:05	F2	S3			JM	
LWG01	07R009	TS	LS	002	WB	ERA	8/10/02	10:07			9/17/02		JM	JS/LF/SN
LWG01	07R009	TS	LS	003	WB	ERA	8/10/02	10·16	F2	S3			JM	

Table C-3 Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	07R009	TS	LS	004	WB	ERA	8/10/02	9:50	F2	S3			EAF	
LWG01	07R009	TS	LS	005	WB	ERA	8/13/02	11:31	F2	S3			SN	
LWG01	07R009	TS	LS	006	WB	ERA	8/13/02	12.08			9/17/02		SN	JS/LF/SN
LWG01	07R009	TS	LS	007	WB	ERA	8/13/02	11:52	F2	S3			SN	
LWG01	08R010	TS	LS	001	WB	ERA	8/13/02	12:13			9/17/02		SN	JS/LF/SN
LWG01	08R010	TS	LS	002	WB	ERA	8/14/02	12.33			9/17/02		EAF	JS/LF/SN
LWG01	08R010	TS	LS	003	WB	ERA	8/14/02	12.35			9/17/02		EAF	JS/LF/SN
LWG01	08R010	TS	LS	004	WB	ERA	8/14/02	12:31	F2	S3			EAF	
LWG01	08R010	TS	LS	005	WB	ERA	8/14/02	12 29			9/17/02		EAF	JS/LF/SN
LWG01	08R010	TS	LS	006	WB	ERA	8/14/02	12·37			9/17/02		EAF	JS/LF/SN
LWG01	08R010	TS	LS	007	WB	ERA	8/14/02	12:26	F2	S3			EAF	
LWG01	09R006	TS	LS	001	WB	ERA	8/15/02	13 35			9/17/02		SN	JS/LF/SN
LWG01	09R006	TS	LS	002	WB	ERA	8/15/02	13:35			9/17/02		SN	JS/LF/SN
LWG01	09R006	TS	LS	003	WB	ERA	8/15/02	13 35	F2	S3			SN	
LWG01	09R006	TS	LS	004	WB	ERA	8/15/02	13·35	F2	S3			SN	
LWG01	09R006	TS	LS	005	WB	ERA	8/15/02	13 35	F2	S3			SN	
LWG01	09R006	TS	LS	006	WB	ERA	8/15/02	13.35	F2	S3			SN	
LWG01	09R006	TS	LS	007	WB	ERA	8/15/02	13·35			9/17/02		SN	JS/LF/SN
LWG01	09R006	TS	LS	008	WB	ERA	8/15/02	13 35			9/17/02		SN	JS/LF/SN
LWG01	09R006	TS	LS	009	WB	ERA	8/16/02	11·06	F6	-			EAF	
LWG01	09R006	TS	LS	010	WB	ERA	8/16/02	11 06			9/17/02		EAF	JS/LF/SN
LWG01	09R006	TS	LS	011	WB	ERA	8/16/02	11 06	F6	-			EAF	
LWG01	09R006	TS	LS	012	WB	ERA	8/16/02	11 06			9/17/02		EAF	JS/LF/SN
LWG01	09R006	TS	LS	013	WB	ERA	8/16/02	11:06	F6	-			EAF	
LWG01	09R006	TS	LS	014	WB	ERA	8/16/02	11:06	F6	-			EAF	
LWG01	09R006	TS	LS	015	WB	ERA	8/16/02	11.06	F6	-			EAF	
LWG01	09R006	TS	LS	016	WB	ERA	8/16/02	11:06	F6	-			EAF	
LWG01	09R006	TS	LS	017	WB	ERA	8/16/02	11·06	F6	-			EAF	
LWG01	09R006	TS	LS	018	WB	ERA	8/16/02	11 06	F6	-			EAF	
LWG01	FZ0306	TS	LS	007	WB	HHRA	7/24/02	18:37	F7	-		ARCHIVE	EAF	JS/LF/SN
LWG01	FZ0306	TS	LS	008	WB	HHRA	7/24/02	18:26	F7	-		ARCHIVE	EAF	JS/LF/SN
LWG01	FZ0306	TS	LS	009	WB	HHRA	7/24/02	18:37	F7	-		ARCHIVE	EAF	JS/LF/SN
LWG01	FZ0306	TS	LS	010	WB	HHRA	7/24/02	12·45	F7	-			EAF	
LWG01	FZ0306	TS	LS	011	WB	HHRA	7/24/02	11 40	F2	S2			EAF	
LWG01	FZ0306	TS	LS	012	WB	HHRA	7/24/02	12 11	F2	S2			EAF	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	FZ0306	TS	LS	013	WB	HHRA	7/24/02	18·37	F7	-		ARCHIVE	EAF	JS/LF/SN
LWG01	FZ0306	TS	LS	014	WB	HHRA	7/24/02	18 25	F7	-		ARCHIVE	EAF	JS/LF/SN
LWG01	FZ0306	TS	LS	015	WB	HHRA	7/24/02	18.29	F7	-		ARCHIVE	EAF	JS/LF/SN
LWG01	FZ0306	TS	LS	016	FL	HHRA	7/24/02	16 35	F1	S1			EAF	
LWG01	FZ0306	TS	LS	016	FS	HHRA	7/24/02	17 05	F1	S1			EAF	
LWG01	FZ0306	TS	LS	017	FL	HHRA	7/24/02	16·06	F1	S1			EAF	
LWG01	FZ0306	TS	LS	017	FS	HHRA	7/24/02	16.14	F1	S1			EAF	
LWG01	FZ0306	TS	LS	018	WB	HHRA	7/24/02	12:02			9/17/02		EAF	JS/LF/SN
LWG01	FZ0306	TS	LS	019	WB	HHRA	7/24/02	12:15	F2	S2			EAF	
LWG01	FZ0306	TS	LS	020	WB	HHRA	7/24/02	12:30			11/27/02	03R014TSLSWBC20	EAF	EF/JS
LWG01	FZ0306	TS	LS	021	WB	HHRA	7/24/02	12 55			11/27/02	03R014TSLSWBC20	EAF	EF/JS
LWG01	FZ0306	TS	LS	022	WB	HHRA	7/24/02	12:11	F2	S2			EAF	
LWG01	FZ0306	TS	LS	023	WB	HHRA	7/24/02	12 35	F2	S2			EAF	
LWG01	FZ0306	TS	LS	024	WB	HHRA	7/25/02	11·32	F2	S2			EAF	
LWG01	FZ0306	TS	LS	025	FS	HHRA	7/25/02	14·35	F1	S1			EAF	
LWG01	FZ0306	TS	LS	025	FL	HHRA	7/25/02	14.40	F1	S1			EAF	
LWG01	FZ0306	TS	LS	026	FL	HHRA	7/26/02	17.43	F1	S1			EAF	
LWG01	FZ0306	TS	LS	026	FS	HHRA	7/26/02	17·47	F1	S1			EAF	
LWG01	FZ0306	TS	LS	027	FL	HHRA	7/26/02	16.52	F1	S1			EAF	
LWG01	FZ0306	TS	LS	027	FS	HHRA	7/26/02	17.16	F1	S1			EAF	
LWG01	FZ0306	TS	LS	028	WB	HHRA	7/26/02	14 36	F2	S2			EAF	
LWG01	FZ0306	TS	LS	029	WB	HHRA	7/26/02	14:30			9/17/02		EAF	JS/LF/SN
LWG01	FZ0306	TS	LS	030	WB	HHRA	7/26/02	14 20			11/27/02	03R014TSLSWBC20	EAF	EF/JS
LWG01	FZ0306	TS	LS	031	WB	HHRA	7/26/02	14·25	F1	S4		ARCHIVE	EAF	
LWG01	FZ0306	TS	LS	032	FL	HHRA	7/30/02	12:22	F1	S1			EAF	
LWG01	FZ0306	TS	LS	032	FS	HHRA	7/30/02	12:25	F1	S1			EAF	
LWG01	FZ0306	TS	LS	033	FL	HHRA	7/30/02	11.56	F1	S1			EAF	
LWG01	FZ0306	TS	LS	033	FS	HHRA	7/30/02	11:58	F1	S1			EAF	
LWG01	FZ0306	TS	LS	034	FL	HHRA	7/30/02	11:25	F1	S1			EAF	
LWG01	FZ0306	TS	LS	034	FS	HHRA	7/30/02	11 24	F1	S1			EAF	
LWG01	FZ0306	TS	LS	035	WB	HHRA	7/29/02	18·09			9/17/02		SN	JS/LF/SN
LWG01	FZ0306	TS	LS	036	WB	HHRA	7/29/02	17·47	F2	S2			SN	
LWG01	FZ0306	TS	LS	037	WB	HHRA	7/29/02	18·16	F2	D2			SN	
LWG01	FZ0306	TS	LS	038	WB	HHRA	7/29/02	18:44			9/17/02		SN	JS/LF/SN
LWG01	FZ0306	TS	LS	039	FS	HHRA	7/30/02	18 14	F1	S1			EAF	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	FZ0306	TS	LS	039	FL	HHRA	7/30/02	18 16	F1	S1			EAF	
LWG01	FZ0306	TS	LS	040	FS	HHRA	7/30/02	18·36	F1	D1			EAF	
LWG01	FZ0306	TS	LS	040	FL	HHRA	7/30/02	18:41	F1	D1			EAF	
LWG01	FZ0306	TS	LS	041	FS	HHRA	7/30/02	17·55	F1	S1			EAF	
LWG01	FZ0306	TS	LS	041	FL	HHRA	7/30/02	17:56	F1	S1			EAF	
LWG01	FZ0306	TS	LS	042	WB	HHRA	7/31/02	15·55			9/17/02		EAF	JS/LF/SN
LWG01	FZ0306	TS	LS	043	WB	HHRA	7/31/02	16:48	F2	D2			EAF	
LWG01	FZ0306	TS	LS	044	WB	HHRA	7/31/02	16 30			9/17/02		EAF	JS/LF/SN
LWG01	FZ0306	TS	LS	045	WB	HHRA	7/31/02	17:09	F2	S2			EAF	
LWG01	FZ0306	TS	LS	046	FL	HHRA	8/1/02	17.35	F1	S3			EAF	
LWG01	FZ0306	TS	LS	046	FS	HHRA	8/1/02	17·45	F1	S3			JM	
LWG01	FZ0306	TS	LS	047	FL	HHRA	8/1/02	16:47	F1	S3			JM	
LWG01	FZ0306	TS	LS	047	FS	HHRA	8/1/02	17:00	F1	S3			JM	
LWG01	FZ0306	TS	LS	048	FS	HHRA	8/1/02	17:20	F1	S3			JM	
LWG01	FZ0306	TS	LS	048	FL	HHRA	8/1/02	17:21	F1	S3			EAF	
LWG01	FZ0306	TS	LS	049	WB	HHRA	8/1/02	15 06	F2	S1			KG	
LWG01	FZ0306	TS	LS	050	WB	HHRA	8/1/02	15:10			9/17/02		JM	JS/LF/SN
LWG01	FZ0306	TS	LS	051	WB	HHRA	8/1/02	14.55	F2	S3			EAF	
LWG01	FZ0609	TS	LS	001	FS	HHRA	8/8/02	13·57	F1	S3			EAF	
LWG01	FZ0609	TS	LS	001	FL	HHRA	8/8/02	13:59	F1	S3			EAF	
LWG01	FZ0609	TS	LS	002	FL	HHRA	8/8/02	14·55	F1	S3			EAF	
LWG01	FZ0609	TS	LS	002	FS	HHRA	8/8/02	14 55	F1	S3			EAF	
LWG01	FZ0609	TS	LS	003	FL	HHRA	8/8/02	14 30	F1	S3			EAF	
LWG01	FZ0609	TS	LS	003	FS	HHRA	8/8/02	14:30	F1	S3			EAF	
LWG01	FZ0609	TS	LS	004	FL	HHRA	8/8/02	15:30	F1	S3			EAF	
LWG01	FZ0609	TS	LS	004	FS	HHRA	8/8/02	15 30	F1	S3			EAF	
LWG01	FZ0609	TS	LS	005	WB	HHRA	8/8/02	12.05	F2	D1			EAF	
LWG01	FZ0609	TS	LS	005	FL	HHRA	8/8/02	18 59	F1	S3			EAF	
LWG01	FZ0609	TS	LS	005	FS	HHRA	8/8/02	19.02	F1	S3			EAF	
LWG01	FZ0609	TS	LS	006	WB	HHRA	8/8/02	11.23	F2	D1			EAF	
LWG01	FZ0609	TS	LS	007	WB	HHRA	8/8/02	11·56			9/17/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	LS	008	WB	HHRA	8/8/02	11:30	F2	D1			EAF	
LWG01	FZ0609	TS	LS	009	WB	HHRA	8/8/02	12 25			9/17/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	LS	010	WB	HHRA	8/8/02	12:17	F2	D1			EAF	
LWG01	FZ0609	TS	LS	011	WB	HHRA	8/8/02	11:46	F2	D1			EAF	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	FZ0609	TS	LS	012	FS	HHRA	8/9/02	11:56	F1	S3			EAF	
LWG01	FZ0609	TS	LS	012	FL	HHRA	8/9/02	11:57	F1	S3			EAF	
LWG01	FZ0609	TS	LS	013	FS	HHRA	8/9/02	10:50	F1	S3			EAF	
LWG01	FZ0609	TS	LS	013	FL	HHRA	8/9/02	10:55	F1	S3			EAF	
LWG01	FZ0609	TS	LS	014	FS	HHRA	8/9/02	10:29	F1	S3			EAF	
LWG01	FZ0609	TS	LS	014	FL	HHRA	8/9/02	10.30	F1	S3			EAF	
LWG01	FZ0609	TS	LS	015	FL	HHRA	8/9/02	11:10	F1	S3			EAF	
LWG01	FZ0609	TS	LS	015	FS	HHRA	8/9/02	11.15	F1	S3			EAF	
LWG01	FZ0609	TS	LS	016	WB	HHRA	8/9/02	15:27	F2	S3			EAF	
LWG01	FZ0609	TS	LS	017	WB	HHRA	8/9/02	15.16	F2	S3			EAF	
LWG01	FZ0609	TS	LS	018	WB	HHRA	8/9/02	15 02			9/17/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	LS	019	WB	HHRA	8/9/02	15:36	F2	S3			EAF	
LWG01	FZ0609	TS	LS	020	WB	HHRA	8/9/02	15:21			9/17/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	LS	021	WB	HHRA	8/9/02	14:36	F2	S3			EAF	
LWG01	FZ0609	TS	LS	022	WB	HHRA	8/9/02	15:15	F2	S3			EAF	
LWG01	FZ0609	TS	LS	023	WB	HHRA	8/9/02	14 40			9/17/02		EAF	JS/LF/SN
LWG01	FZ0609	TS	LS	024	FL	HHRA	8/10/02	10 22	F1	S3			JM	
LWG01	FZ0609	TS	LS	024	FS	HHRA	8/10/02	10 28	F1	S3			JM	
LWG01	FZ0609	TS	LS	025	FL	HHRA	8/10/02	11:35	F1	S3			EAF	
LWG01	FZ0609	TS	LS	025	FS	HHRA	8/10/02	11:38	F1	S3			JM	
LWG01	FZ0609	TS	LS	026	WB	HHRA	8/10/02	9.32	F2	S3			EAF	
LWG01	FZ0609	TS	LS	027	FL	HHRA	8/10/02	11:48	F1	S3			EAF	
LWG01	FZ0609	TS	LS	027	FS	HHRA	8/10/02	11:59	F1	S3			JM	
LWG01	FZ0609	TS	LS	028	FL	HHRA	8/10/02	10.51	F1	S3			EAF	
LWG01	FZ0609	TS	LS	028	FS	HHRA	8/10/02	11:02	F1	S3			EAF	
LWG01	FZ0609	TS	LS	029	FL	HHRA	8/10/02	12:25	F1	S3			JM	
LWG01	FZ0609	TS	LS	029	FS	HHRA	8/10/02	12.30	F1	S3			JM	
LWG01	FZ0609	TS	LS	030	FL	HHRA	8/10/02	12:45	F1	S3			EAF	
LWG01	FZ0609	TS	LS	030	FS	HHRA	8/10/02	12:55	F1	S3			EAF	
LWG01	FZ0609	TS	LS	031	FL	HHRA	8/10/02	12:06	F1	S3			JM	
LWG01	FZ0609	TS	LS	031	FS	HHRA	8/10/02	12:12	F1	S3			EAF	
LWG01	FZ0609	TS	LS	032	FL	HHRA	8/10/02	9:45	F1	S3			JM	
LWG01	FZ0609	TS	LS	032	FS	HHRA	8/10/02	10:00	F1	S3			EAF	
LWG01	FZ0609	TS	LS	033	WB	HHRA	8/13/02	11:36	F2	S3			EAF	
LWG01	FZ0609	TS	LS	034	WB	HHRA	8/13/02	11:58	F2	S3			EAF	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	FZ0609	TS	LS		WB	HHRA	6/27/02	?	F2				EAF	
LWG01	03R014	TS	NP	001	WB	ERA	7/24/02	11:08	F2	S3			EAF	
LWG01	03R014	TS	NP	002	WB	ERA	7/24/02	11:00	F2	S3			EAF	
LWG01	03R014	TS	NP	003	WB	ERA	8/1/02	14:40	F2	S3			EAF	
LWG01	03R014	TS	NP	004	WB	ERA	8/1/02	14 41	F2	S3			EAF	
LWG01	03R014	TS	NP	005	WB	ERA	8/1/02	14:35	F2	S3			EAF	
LWG01	03R014	TS	NP	006	WB	ERA	8/1/02	14:35	F2	S3			EAF	
LWG01	03R014	TS	NP	007	WB	ERA	8/1/02	14·35	F2	S3			EAF	
LWG01	03R014	TS	NP	008	WB	ERA	8/1/02	14.35	F2	S3			EAF	
LWG01	03R014	TS	NP	009	WB	ERA	8/1/02	14.35	F2	S3			EAF	
LWG01	03R014	TS	NP	010	WB	ERA	8/1/02	14:35	F2	S3			EAF	
LWG01	03R014	TS	NP	011	WB	ERA	8/1/02	14:35	F2	S3			EAF	
LWG01	03R014	TS	NP	012	WB	ERA	8/1/02	14:35	F2	S3			EAF	
LWG01	03R014	TS	NP	013	WB	ERA	8/1/02	14:35	F2	S3			EAF	
LWG01	04R023	TS	NP	??	WB	ERA	10/16/02	9:55	F2	S3			EAF	
LWG01	05R006	TS	NP	001	WB	ERA	8/7/02	14.00	F2	S3			EAF	
LWG01	05R006	TS	NP	002	WB	ERA	8/7/02	14 04	F2	S3			EAF	
LWG01	05R006	TS	NP	003	WB	ERA	8/30/02	15:55	F2	S3			EAF	
LWG01	05R006	TS	NP	004	WB	ERA	9/11/02	16·13	F2	S3			EAF	
LWG01	05R006	TS	NP	005	WB	ERA	9/25/02	10 52	F2	S3			EAF	
LWG01	06R024	TS	NP	001	WB	ERA	8/26/02	18:28	F2	S3			JM	
LWG01	06RO24	TS	NP	002	WB	ERA	10/22/02	11:03	F2	S3			JS	
LWG01	07R009	TS	NP	001	WB	ERA	8/9/02	14:14	F2	S3			EAF	
LWG01	07R009	TS	NP	002	WB	ERA	9/12/02	16:35	F2	S3			EAF	
LWG01	07R009	TS	NP	003	WB	ERA	9/17/02	11.05	F2	S3			EAF	
LWG01	07R009	TS	NP	004	WB	ERA	9/25/02	10·51	F2	S3			EAF	
LWG01	07R009	TS	NP	005	WB	ERA	10/9/02	11:16	F2	S3			EAF	
LWG01	07R009	TS	NP	006	WB	ERA	10/16/02	10:00	F2	S3			SN	
LWG01	08R010	TS	NP	001	WB	ERA	8/13/02	7:10	F2	S3			EAF	
LWG01	08R010	TS	NP	001	WB	ERA	10/15/02	9.05	F2	S3			EAF	
LWG01	08R010	TS	NP	002	WB	ERA	9/25/02	10 58	F2	S3			EAF	
LWG01	08R010	TS	NP	003	WB	ERA	10/16/02	10 16	F2	S3			EAF	
LWG01	08R032	TS	NP	001	WB	ERA	10/10/02	10 19	F2	S3			EAF	
LWG01	09R006	TS	NP	001	WB	ERA	10/9/02	11 12	F2	S3			SN	
LWG01	09R006	TS	NP	002	WB	ERA	10/22/02	10 53	F2	S3			EAF	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	09R006	TS	NP	003	WB	ERA	10/31/02	11·40	F2	S3			JS	
LWG01	09R006	TS	NP	004	WB	ERA	11/1/02	17.08	F2	S3			JS	
LWG01	03R014	TS	PM	001	WB	ERA	10/29/02	11:40	F2	S1			JS	
LWG01	03R014	TS	PM	002	WB	ERA	10/29/02	11 41	F2	S1			JS	
LWG01	03R014	TS	PM	003	WB	ERA	10/31/02	11:43	F2	S1			JS	
LWG01	03R014	TS	PM	004	WB	ERA	11/1/02	14 05	F2	S1			EAF	
LWG01	03R014	TS	PM	005	WB	ERA	11/1/02	14.05	F2	S1			EAF	
LWG01	04R023	TS	PM	001	WB	ERA	10/22/02	15 42	F2	S1			JM	
LWG01	05R006	TS	PM	002	WB	ERA	10/4/02	1357	F2	S1			JS	
LWG01	05R006	TS	PM	003	WB	ERA	10/4/02	1654	F2	S1			JS	
LWG01	05R006	TS	PM	004	WB	ERA	11/1/02	17.24	F2	S1			JS	
LWG01	05R006	TS	PM	005	WB	ERA	11/5/02	15.00	F2	S1			JS	
LWG01	05R006	TS	PM	006	WB	ERA	11/5/02	15:00	F2	S1			JS	
LWG01	05R006	TS	PM	007	WB	ERA	10/3/02	15:20	F2	S1			EAF	
LWG01	07R009	TS	PM	001	WB	ERA	10/4/02	1421	F2	S1			JS	
LWG01	07R009	TS	PM	002	WB	ERA	10/26/02	13:10	F2	S1			SN	
LWG01	08R010	TS	PM	002	WB	ERA	10/16/02	10:14	F2	S1			EAF	
LWG01	08R010	TS	PM	003	WB	ERA	10/16/02	10·14	F2	S1			EAF	
LWG01	08R010	TS	PM	004	WB	ERA	10/18/02	14:50	F2	S1			SN	
LWG01	08R010	TS	PM	005	WB	ERA	11/5/02	15 00	F2	S1			JS	
LWG01	08R010	TS	PM	006	WB	ERA	11/5/02	15 00	F2	S1			JS	
LWG01	08R010	TS	PM	007	WB	ERA	11/5/02	15.00	F2	S1			JS	
LWG01	09R006	TS	PM	001	WB	ERA	10/16/02	10·14	F2	S1			EAF	
LWG01	09R006	TS	PM	002	WB	ERA	10/16/02	10 14	F2	S1			EAF	
LWG01	09R006	TS	PM	003	WB	ERA	10/16/02	10·14	F2	S1			EAF	
LWG01	09R006	TS	PM	004	WB	ERA	10/16/02	10·14	F2	S1			EAF	
LWG01	09R006	TS	PM	005	WB	ERA	10/16/02	10.14	F2	S1			EAF	
LWG01	09R006	TS	PM	006	WB	ERA	10/16/02	10:14	F2	S1			EAF	
LWG01	09R006	TS	PM	007	WB	ERA	10/16/02	10:14	F2	S1			EAF	
LWG01	03R014	TS	SB	001	WB	HHRA/ERA	7/23/02	2·30			11/27/02	03R014TSSBWBC00	EAF	EF/JS
LWG01	03R014	TS	SB	002	WB	HHRA/ERA	7/23/02	2:30			11/27/02	03R014TSSBWBC00	EAF	EF/JS
LWG01	03R014	TS	SB	003	FL	HHRA/ERA	7/24/02	14.40			11/27/02	03R014TSSBFCOO	EAF	EF/JS
LWG01	03R014	TS	SB	003	FS	HHRA/ERA	7/24/02	14:47			11/27/02	03R014TSSBFCOO	EAF	EF/JS
LWG01	03R014	TS	SB	004	FL	HHRA/ERA	7/24/02	19 32			11/27/02	03R014TSSBFCOO	EAF	EF/JS
LWG01	03R014	TS	SB	004	FS	HHRA/ERA	7/24/02	19:37			11/27/02	03R014TSSBFCOO	EAF	EF/JS

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	03R014	TS	SB	005	FL	HHRA/ERA	7/24/02	15 27			11/27/02	03R014TSSBFCOO	EAF	EF/JS
LWG01	03R014	TS	SB	005	FS	HHRA/ERA	7/24/02	15·27			11/27/02	03R014TSSBFCOO	EAF	EF/JS
LWG01	03R014	TS	SB	006	FS	HHRA/ERA	7/24/02	20.51	F7	-		ARCHIVE	EAF	
LWG01	03R014	TS	SB	006	FL	HHRA/ERA	7/24/02	20·58	F7	-		ARCHIVE	EAF	
LWG01	03R014	TS	SB	007	WB	HHRA/ERA	7/24/02	12.20	F7	-		ARCHIVE	EAF	
LWG01	03R014	TS	SB	008	WB	HHRA/ERA	7/24/02	11.55	F7	-		ARCHIVE	EAF	
LWG01	03R014	TS	SB	009	WB	HHRA/ERA	7/24/02	12:48			11/27/02	03R014TSSBWBC00	EAF	EF/JS
LWG01	03R014	TS	SB	010	FS	HHRA/ERA	7/26/02	18·15			11/27/02	03R014TSSBFCOO	EAF	EF/JS
LWG01	03R014	TS	SB	010	FL	HHRA/ERA	7/26/02	18:15			11/27/02	03R014TSSBFCOO	EAF	EF/JS
LWG01	03R014	TS	SB	011	WB	HHRA/ERA	7/26/02	14:00	F7	-		ARCHIVE	EAF	
LWG01	03R014	TS	SB	012	WB	HHRA/ERA	7/26/02	14:00			11/27/02	03R014TSSBWBC00	EAF	EF/JS
LWG01	03R014	TS	SB	013	WB	HHRA/ERA	7/26/02	14:00			11/27/02	03R014TSSBWBC00	EAF	EF/JS
LWG01	03R014	TS	SB	014	FL	HHRA/ERA	8/9/02	12·38			11/27/02	03R014TSSBFCOO	EAF	EF/JS
LWG01	03R014	TS	SB	014	FS	HHRA/ERA	8/9/02	12:42			11/27/02	03R014TSSBFCOO	EAF	EF/JS
LWG01	04R023	TS	SB	001	WB	HHRA/ERA	7/27/02	12·44	F7	-		ARCHIVE	EAF	
LWG01	04R023	TS	SB	002	WB	HHRA/ERA	7/27/02	13:05			11/27/02	C20	EAF	EF/JS
LWG01	04R023	TS	SB	003	WB	HHRA/ERA	7/27/02	12·40			11/27/02	C30	EAF	EF/JS
LWG01	04R023	TS	SB	004	WB	HHRA/ERA	7/27/02	12:34			11/27/02	C30	EAF	EF/JS
LWG01	04R023	TS	SB	005	WB	HHRA/ERA	7/29/02	18·25			11/27/02	C10	SN	EF/JS
LWG01	04R023	TS	SB	006	WB	HHRA/ERA	8/7/02	14:17			11/27/02	C30	EAF	EF/JS
LWG01	04R023	TS	SB	007	WB	HHRA/ERA	8/7/02	14 10			11/27/02	C10	EAF	EF/JS
LWG01	04R023	TS	SB	008	WB	HHRA/ERA	9/10/02	14:42			11/27/02	C10	EAF	EF/JS
LWG01	04R023	TS	SB	009	WB	HHRA/ERA	9/10/02	14:45			11/27/02	C20	EAF	EF/JS
LWG01	04R023	TS	SB	010	WB	HHRA/ERA	9/10/02	16.00			11/27/02	C30	JM	EF/JS
LWG01	04R023	TS	SB	011	WB	HHRA/ERA	9/10/02	15 55			11/27/02	C20	EAF	EF/JS
LWG01	04R023	TS	SB	012	WB	HHRA/ERA	9/10/02	16:10			11/27/02	C30	JM	EF/JS
LWG01	04R023	TS	SB	013	WB	HHRA/ERA	9/10/02	16·12			11/27/02	C20	EAF	EF/JS
LWG01	04R023	TS	SB	014	WB	HHRA/ERA	9/10/02	16:15			11/27/02	C10	JM	EF/JS
LWG01	04R023	TS	SB	015	WB	HHRA/ERA	9/10/02	16·05			11/27/02	C20	EAF	EF/JS
LWG01	04R023	TS	SB	016	WB	HHRA/ERA	10/18/02	16.53			11/27/02	C10	EAF	EF/JS
LWG01	05R006	TS	SB	002	WB	HHRA/ERA	8/7/02	11.36			11/27/02	05R004TSSBWBC00	EAF	EF/JS
LWG01	05R006	TS	SB	003	WB	HHRA/ERA	8/7/02	14:14			11/27/02	05R004TSSBWBC00	EAF	EF/JS
LWG01	05R006	TS	SB	004	WB	HHRA/ERA	8/30/02	17:37			11/27/02	05R004TSSBWBC00	EAF	EF/JS
LWG01	05R006	TS	SB	005	WB	HHRA/ERA	8/30/02	18:00			11/27/02	05R004TSSBWBC00	EAF	EF/JS
LWG01	05R006	TS	SB	005	FS	HHRA	10/4/02	1649			11/27/02	05R006TSSBFC00	JS	EF/JS

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	05R006	TS	SB	005	FL	HHRA	10/4/02	1651			11/27/02	05R006TSSBFC00	JS	EF/JS
LWG01	05R006	TS	SB	006	WB	HHRA/ERA	8/30/02	18:10			11/27/02	05R004TSSBWBC00	EAF	EF/JS
LWG01	05R006	TS	SB	007	FL	HHRA/ERA	8/30/02	17.41			11/27/02	05R006TSSBFC00	EAF	EF/JS
LWG01	05R006	TS	SB	007	FS	HHRA/ERA	8/30/02	17:49			11/27/02	05R006TSSBFC00	EAF	EF/JS
LWG01	05R006	TS	SB	008	FL	HHRA/ERA	9/12/02	16.55			11/27/02	05R006TSSBFC00	EAF	EF/JS
LWG01	05R006	TS	SB	008	FS	HHRA/ERA	9/12/02	17.00			11/27/02	05R006TSSBFC00	EAF	EF/JS
LWG01	05R006	TS	SB	009	FL	HHRA/ERA	9/27/02	11 05			11/27/02	05R006TSSBFC00	EAF	EF/JS
LWG01	05R006	TS	SB	009	FS	HHRA/ERA	9/27/02	11:10			11/27/02	05R006TSSBFC00	EAF	EF/JS
LWG01	05R006	TS	SB	010	FL	HHRA/ERA	10/3/02	15:40			11/27/02	05R006TSSBFC00	EAF	EF/JS
LWG01	05R006	TS	SB	010	FS	HHRA/ERA	10/3/02	15.41			11/27/02	05R006TSSBFC00		EF/JS
LWG01	06R004	TS	SB	004	WB	HHRA/ERA	7/31/02	17:45			11/27/02	06R024TSSBWBC00	EAF	EF/JS
LWG01	06R024	TS	SB	001	FL	ERA/HHRA	8/27/02	15·55			11/27/02	06R024TSSBFC00	JM	EF/JS
LWG01	06R024	TS	SB	001	FS	ERA/HHRA	8/27/02	15.57			11/27/02	06R024TSSBFC00	JM	EF/JS
LWG01	06R024	TS	SB	002	FL	HHRA/ERA	10/11/02	18·58			11/27/02	06R024TSSBFC00	EAF	EF/JS
LWG01	06R024	TS	SB	002	FS	HHRA/ERA	10/11/02	19:06			11/27/02	06R024TSSBFC00	EAF	EF/JS
LWG01	06R024	TS	SB	003	FL	HHRA/ERA	10/11/02	18:47			11/27/02	06R024TSSBFC00	EAF	EF/JS
LWG01	06R024	TS	SB	003	FS	HHRA/ERA	10/11/02	18.47			11/27/02	06R024TSSBFC00	EAF	EF/JS
LWG01	07R009	TS	SB	001	WB	HHRA/ERA	8/9/02	14:58			11/27/02	C20	EAF	EF/JS
LWG01	07R009	TS	SB	002	WB	HHRA/ERA	8/9/02	14:54			11/27/02	C20	EAF	EF/JS
LWG01	07R009	TS	SB	003	WB	HHRA/ERA	8/9/02	14:48			11/27/02	C30	EAF	EF/JS
LWG01	07R009	TS	SB	004	WB	HHRA/ERA	8/10/02	9:36			11/27/02	C20	JM	EF/JS
LWG01	07R009	TS	SB	005	WB	HHRA/ERA	8/10/02	8:50			11/27/02	C30	JM	EF/JS
LWG01	07R009	TS	SB	006	WB	HHRA/ERA	8/13/02	9.18			11/27/02	C10	EAF	EF/JS
LWG01	07R009	TS	SB	007	WB	HHRA/ERA	8/29/02	9.10			11/27/02	C30	EAF	EF/JS
LWG01	07R009	TS	SB	008	WB	HHRA/ERA	8/16/02	15 57			11/27/02	C20	EAF	EF/JS
LWG01	07R009	TS	SB	009	WB	HHRA/ERA	8/16/02	15:50			11/27/02	C10	EAF	EF/JS
LWG01	07R009	TS	SB	010	WB	HHRA/ERA	9/12/02	17:25			11/27/02	C30	EAF	EF/JS
LWG01	07R009	TS	SB	011	WB	HHRA/ERA	9/13/02				11/27/02	C10	EAF	EF/JS
LWG01	07R009	TS	SB	012	WB	HHRA/ERA	9/13/02	16·39			11/27/02	C20	SN	EF/JS
LWG01	07R009	TS	SB	013	WB	HHRA/ERA	9/12/02	17:19			11/27/02	C10	SN	EF/JS
LWG01	07R009	TS	SB	014	WB	HHRA/ERA	9/17/02	14 24			11/27/02	C30	EAF	EF/JS
LWG01	07R009	TS	SB	015	WB	HHRA/ERA	9/17/02	14 30			11/27/02	C10	EAF	EF/JS
LWG01	08R010	TS	SB	001	WB	HHRA/ERA	8/13/02	10:57			11/27/02	C10	SN	EF/JS
LWG01	08R010	TS	SB	002	WB	HHRA/ERA	8/13/02	11:00			11/27/02	C30	EAF	EF/JS
LWG01	08R010	TS	SB	003	WB	HHRA/ERA	8/13/02	11 07			11/27/02	C20	EAF	EF/JS

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	08R010	TS	SB	004	WB	HHRA/ERA	8/30/02	17:56			11/27/02	C20	EAF	EF/JS
LWG01	08R010	TS	SB	005	WB	HHRA/ERA	8/14/02	9·53			11/27/02	C10	SN	EF/JS
LWG01	08R010	TS	SB	006	WB	HHRA/ERA	8/16/02	15:52			11/27/02	C30	EAF	EF/JS
LWG01	08R010	TS	SB	007	WB	HHRA/ERA	8/30/02	17.50			11/27/02	C30	EAF	EF/JS
LWG01	08R010	TS	SB	008	WB	HHRA/ERA	9/19/02	15 35			11/27/02	C20	JM	EF/JS
LWG01	08R010	TS	SB	009	WB	HHRA/ERA	9/20/02	15:30			11/27/02	C20	JM	EF/JS
LWG01	08R010	TS	SB	010	WB	HHRA/ERA	9/28/02	11.20			11/27/02	C30	JM	EF/JS
LWG01	08R010	TS	SB	011	WB	HHRA/ERA	10/2/02	11:59			11/27/02	C20	EAF	EF/JS
LWG01	08R010	TS	SB	012	WB	HHRA/ERA	10/3/02	15:36			11/27/02	C30	EAF	EF/JS
LWG01	08R010	TS	SB	013	WB	HHRA/ERA	10/11/02	14.10			11/27/02	C10	EAF	EF/JS
LWG01	08R010	TS	SB	014	WB	HHRA/ERA	10/16/02	10·34			11/27/02	C10	EAF	EF/JS
LWG01	08R032	TS	SB	001	WB	HHRA/ERA	8/13/02	11.21			11/27/02	08R032TSSBWBC0	EAF	EF/JS
LWG01	08R032	TS	SB	002	WB	HHRA/ERA	8/13/02	11·14			11/27/02	08R032TSSBWBC0	SN	EF/JS
LWG01	08R032	TS	SB	003	WB	HHRA/ERA	8/14/02	9.56			11/27/02	08R032TSSBWBC0	EAF	EF/JS
LWG01	08R032	TS	SB	004	WB	HHRA/ERA	8/14/02	10:03			11/27/02	08R032TSSBWBC0	SN	EF/JS
LWG01	08R032	TS	SB	005	WB	HHRA/ERA	8/13/02	9·30			11/27/02	08R032TSSBWBC0	SN	EF/JS
LWG01	08R032	TS	SB	006	FL	HHRA/ERA	8/15/02	12 25			11/27/02	08R032TSSBFC00	EAF	EF/JS
LWG01	08R032	TS	SB	006	FS	HHRA/ERA	8/15/02	12:32			11/27/02	08R032TSSBFC00	EAF	EF/JS
LWG01	08R032	TS	SB	007	FL	HHRA/ERA	9/18/02	13:45			11/27/02	08R032TSSBFC00	EAF	EF/JS
LWG01	08R032	TS	SB	007	FS	HHRA/ERA	9/18/02	13:50			11/27/02	08R032TSSBFC00	EAF	EF/JS
LWG01	08R032	TS	SB	008	FL	HHRA/ERA	9/18/02	13:33			11/27/02	08R032TSSBFC00	SN	EF/JS
LWG01	08R032	TS	SB	008	FS	HHRA/ERA	9/18/02	13:40			11/27/02	08R032TSSBFC00	EAF	EF/JS
LWG01	08R032	TS	SB	009	FL	HHRA/ERA	9/18/02	14:02			11/27/02	08R032TSSBFC00	EAF	EF/JS
LWG01	08R032	TS	SB	009	FS	HHRA/ERA	9/18/02	14 05			11/27/02	08R032TSSBFC00	EAF	EF/JS
LWG01	08R032	TS	SB	010	FL	HHRA/ERA	9/18/02	14 20			11/27/02	08R032TSSBFC00	EAF	EF/JS
LWG01	08R032	TS	SB	010	FS	HHRA/ERA	9/18/02	14·20			11/27/02	08R032TSSBFC00	EAF	EF/JS
LWG01	09R006	TS	SB	001	WB	HHRA/ERA	8/16/02	10.17			11/27/02	09R006TSSBWBC00	EAF	EF/JS
LWG01	09R006	TS	SB	002	FL	HHRA/ERA	8/15/02	12:49			11/27/02	C00	EAF	EF/JS
LWG01	09R006	TS	SB	002	FS	HHRA/ERA	8/15/02	12 51			11/27/02	C00	EAF	EF/JS
LWG01	09R006	TS	SB	002	FS	HHRA/ERA	9/25/02	10:56			11/27/02	C00	EAF	EF/JS
LWG01	09R006	TS	SB	003	FL	HHRA/ERA	8/16/02	11 49			11/27/02	C00	EAF	EF/JS
LWG01	09R006	TS	SB	003	FS	HHRA/ERA	8/16/02	11:55			11/27/02	C00	EAF	EF/JS
LWG01	09R006	TS	SB	004	FL	HHRA/ERA	8/16/02	11 35			11/27/02	C00	EAF	EF/JS
LWG01	09R006	TS	SB	004	FS	HHRA/ERA	8/16/02	11:40			11/27/02	C00	EAF	EF/JS
LWG01	09R006	TS	SB	005	FL	HHRA/ERA	9/25/02	10·47			11/27/02	C00	EAF	EF/JS

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	09R006	TS	SB	006	FL	HHRA/ERA	9/25/02	10:36			11/27/02	C00	SN	EF/JS
LWG01	09R006	TS	SB	006	FS	HHRA/ERA	9/25/02	10.36			11/27/02	C00	SN	EF/JS
LWG01	09R006	TS	SB	007	WB	HHRA/ERA	10/10/02	10.21			11/27/02	09R006TSSBWBC00	EAF	EF/JS
LWG01	FZ0609	TS	SB		FS	HHRA	7/18/02	?	F1	S2		practice fillets	EAF	
LWG01	FZ0609	TS	SB		FL	HHRA	7/18/02	?	F1	S2		practice fillets	EAF	
LWG01	02B001	TS	SC		WB	ERA	6/27/02	?			8/7/02		EAF	
LWG01	03B002	TS	SC		WB	ERA	6/25/02	?			8/7/02		EAF	
LWG01	03B003	TS	SC		WB	ERA	6/25/02	?			8/7/02		EAF	
LWG01	03B004	TS	SC		WB	ERA	6/26/02	?			8/7/02		EAF	
LWG01	04B005	TS	SC		WB	ERA	6/26/02	?			8/7/02		EAF	
LWG01	04B006	TS	SC		WB	ERA	6/26/02	?			8/7/02		EAF	
LWG01	26R007	TS	SC		WB	ERA	6/26/02	?			8/7/02		EAF	
LWG01	02R001	TS	SP	001	WB	ERA	7/23/02	2·30			9/17/02		EAF	JS/LF/SN
LWG01	02R001	TS	SP	002	WB	ERA	7/23/02	2:30			9/17/02		EAF	JS/LF/SN
LWG01	02R001	TS	SP	003	WB	ERA	7/23/02	2.30			9/17/02		EAF	JS/LF/SN
LWG01	02R001	TS	SP	004	WB	ERA	7/23/02	2:30			9/17/02		EAF	JS/LF/SN
LWG01	02R001	TS	SP	005	WB	ERA	7/23/02	2 30			9/17/02		EAF	JS/LF/SN
LWG01	02R001	TS	SP	006	WB	ERA	7/23/02	2:30			9/17/02		EAF	JS/LF/SN
LWG01	02R001	TS	SP	007	WB	ERA	7/23/02	2.30			9/17/02		EAF	JS/LF/SN
LWG01	02R001	TS	SP	008	WB	ERA	7/23/02	2.30			9/17/02		EAF	JS/LF/SN
LWG01	02R001	TS	SP	009	WB	ERA	7/23/02	2:30			9/17/02		EAF	JS/LF/SN
LWG01	02R001	TS	SP	010	WB	ERA	7/23/02	2.30			9/17/02		EAF	JS/LF/SN
LWG01	02R001	TS	SP	011	WB	ERA	7/23/02	2:30			9/17/02		EAF	JS/LF/SN
LWG01	02R001	TS	SP	012	WB	ERA	7/23/02	2:30			9/17/02		EAF	JS/LF/SN
LWG01	02R001	TS	SP	013	WB	ERA	11/9/02	12 00			11/20/02		EAF	JS/LS/SN/JC
LWG01	02R001	TS	SP	014	WB	ERA	11/9/02	12:00			11/20/02		EAF	JS/LS/SN/JC
LWG01	02R001	TS	SP	015	WB	ERA	11/10/02	17·41			11/20/02		SN	JS/LS/SN/JC
LWG01	02R001	TS	SP	016	WB	ERA	11/10/02	17:41			11/20/02		SN	JS/LS/SN/JC
LWG01	02R001	TS	SP	017	WB	ERA	11/10/02	17 41			11/20/02		SN	JS/LS/SN/JC
LWG01	02R001	TS	SP	018	WB	ERA	11/10/02	17·41			11/20/02		SN	JS/LS/SN/JC
LWG01	02R001	TS	SP	019	WB	ERA	11/10/02	17:41			11/20/02		SN	JS/LS/SN/JC
LWG01	02R001	TS	SP	020	WB	ERA	11/10/02	17·41			11/20/02		SN	JS/LS/SN/JC
LWG01	02R001	TS	SP	021	WB	ERA	11/10/02	17:41			11/20/02		SN	JS/LS/SN/JC
LWG01	02R001	TS	SP	022	WB	ERA	11/10/02	17:41			11/20/02		SN	JS/LS/SN/JC
LWG01	02R001	TS	SP	023	WB	ERA	11/10/02	17.41			11/20/02		SN	JS/LS/SN/JC

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	02R001	TS	SP	024	WB	ERA	11/10/02	17.41			11/20/02		SN	JS/LS/SN/JC
LWG01	02R001	TS	SP	025	WB	ERA	11/10/02	17:41			11/20/02		SN	JS/LS/SN/JC
LWG01	02R015	TS	SP	001	WB	ERA	10/8/02	1230			11/20/02		EAF	JS/LF/SN/JC
LWG01	02R015	TS	SP	002	WB	ERA	10/8/02	1230			11/20/02		EAF	JS/LF/SN/JC
LWG01	02R015	TS	SP	003	WB	ERA	10/8/02	1230			11/20/02		EAF	JS/LF/SN/JC
LWG01	02R015	TS	SP	004	WB	ERA	10/8/02	1230			11/20/02		EAF	JS/LF/SN/JC
LWG01	02R015	TS	SP	005	WB	ERA	10/8/02	1230	F6	-			EAF	
LWG01	02R015	TS	SP	006	WB	ERA	10/9/02	10.30			11/20/02		EAF	JS/LF/SN/JC
LWG01	02R015	TS	SP	007	WB	ERA	10/9/02	10·30			11/20/02		EAF	JS/LF/SN/JC
LWG01	02R015	TS	SP	008	WB	ERA	10/9/02	10.30			11/20/02		EAF	JS/LF/SN/JC
LWG01	02R015	TS	SP	009	WB	ERA	10/9/02	10:30	F6	-			EAF	
LWG01	02R015	TS	SP	010	WB	ERA	10/9/02	10.30			11/20/02		EAF	JS/LF/SN/JC
LWG01	02R015	TS	SP	011	WB	ERA	10/9/02	10.30			11/20/02		EAF	JS/LF/SN/JC
LWG01	02R015	TS	SP	012	WB	ERA	10/9/02	10·30	F6	-			EAF	
LWG01	02R015	TS	SP	013	WB	ERA	10/9/02	10.30	F6	-			EAF	
LWG01	02R015	TS	SP	014	WB	ERA	10/9/02	10 30	F6	-			EAF	
LWG01	02R015	TS	SP	015	WB	ERA	10/9/02	10.30	F6	-			EAF	
LWG01	02R015	TS	SP	016	WB	ERA	10/12/02	10:30			11/20/02		EAF	JS/LF/SN/JC
LWG01	02R015	TS	SP	017	WB	ERA	10/18/02	14:45			11/20/02		EAF	JS/LF/SN/JC
LWG01	02R015	TS	SP	018	WB	ERA	10/23/02	11·00			11/20/02		EAF	JS/LF/SN/JC
LWG01	02R015	TS	SP	019	WB	ERA	10/24/02	13.55			11/20/02		JS	JS/LF/SN/JC
LWG01	02R015	TS	SP	020	WB	ERA	10/24/02	13:55			11/20/02		JS	JS/LF/SN/JC
LWG01	02R015	TS	SP	022	WB	ERA	10/24/02	13.55			11/20/02		JS	JS/LF/SN/JC
LWG01	02R015	TS	SP	023	WB	ERA	10/24/02	13·55			11/20/02		JS	JS/LF/SN/JC
LWG01	02R015	TS	SP	024	WB	ERA	10/24/02	13:55			11/20/02		JS	JS/LF/SN/JC
LWG01	02R015	TS	SP	025	WB	ERA	10/24/02	13:55	F6	-			JS	
LWG01	03R001	TS	SP	001	WB	ERA	7/23/02	2 30	F6	-			EAF	
LWG01	03R001	TS	SP	002	WB	ERA	7/23/02	2·30	F6	-			EAF	
LWG01	03R001	TS	SP	003	WB	ERA	7/23/02	2:30	F6	-			EAF	
LWG01	03R001	TS	SP	004	WB	ERA	7/23/02	2 30	F6	-			EAF	
LWG01	03R001	TS	SP	005	WB	ERA	7/23/02	2·30	F6	-			EAF	
LWG01	03R001	TS	SP	006	WB	ERA	7/23/02	2:30	F6	-			EAF	
LWG01	03R001	TS	SP	007	WB	ERA	7/23/02	2 30	F6	-			EAF	
LWG01	03R001	TS	SP	008	WB	ERA	7/24/02	11:18			10/8/02		EAF	JS/SN
LWG01	03R001	TS	SP	009	WB	ERA	7/24/02	11:17			10/8/02		EAF	JS/SN

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	03R001	TS	SP	010	WB	ERA	7/24/02	11:16			10/8/02		EAF	JS/SN
LWG01	03R001	TS	SP	011	WB	ERA	7/24/02	11 15			10/8/02		EAF	JS/SN
LWG01	03R001	TS	SP	012	WB	ERA	7/24/02	11 19			10/8/02		EAF	JS/SN
LWG01	03R001	TS	SP	013	WB	ERA	7/24/02	11:00	F6	-			EAF	
LWG01	03R001	TS	SP	014	WB	ERA	7/24/02	11:00	F6	-			EAF	
LWG01	03R001	TS	SP	015	WB	ERA	7/24/02	11 00	F6	-			EAF	
LWG01	03R001	TS	SP	016	WB	ERA	7/24/02	11:07	F6	-			EAF	
LWG01	03R001	TS	SP	017	WB	ERA	9/4/02	9·30			10/8/02		EAF	JS/SN
LWG01	03R001	TS	SP	018	WB	ERA	9/4/02	9:25			10/8/02		EAF	JS/SN
LWG01	03R001	TS	SP	019	WB	ERA	9/4/02	9:21			10/8/02		EAF	JS/SN
LWG01	03R001	TS	SP	020	WB	ERA	9/4/02	9:37			10/8/02		EAF	JS/SN
LWG01	03R001	TS	SP	021	WB	ERA	9/4/02	9:33			10/8/02		EAF	JS/SN
LWG01	03R001	TS	SP	022	WB	ERA	9/4/02	9:42			10/8/02		EAF	JS/SN
LWG01	03R001	TS	SP	023	WB	ERA	9/4/02	9 30			10/8/02		EAF	JS/SN
LWG01	03R001	TS	SP	024	WB	ERA	9/12/02	16:25			10/8/02		EAF	JS/SN
LWG01	03R001	TS	SP	025	WB	ERA	9/12/02	16:25			10/8/02		EAF	JS/SN
LWG01	03R001	TS	SP	027	WB	ERA	9/18/02	15:18			10/8/02		SN	JS/SN
LWG01	03R001	TS	SP	028	WB	ERA	9/18/02	15:18			10/8/02		SN	JS/SN
LWG01	03R001	TS	SP	029	WB	ERA	9/18/02	15:18			10/8/02		SN	JS/SN
LWG01	03R002	TS	SP	001	WB	ERA	7/25/02	11·14	F6	-			EAF	
LWG01	03R002	TS	SP	002	WB	ERA	7/26/02	13:41			10/8/02		EAF	JS/SN
LWG01	03R002	TS	SP	003	WB	ERA	7/26/02	13:41			10/8/02		EAF	JS/SN
LWG01	03R002	TS	SP	004	WB	ERA	7/26/02	13:41			10/8/02		EAF	JS/SN
LWG01	03R002	TS	SP	005	WB	ERA	7/26/02	13:41			10/8/02		EAF	JS/SN
LWG01	03R002	TS	SP	006	WB	ERA	7/26/02	13:41	F6	-			EAF	
LWG01	03R002	TS	SP	007	WB	ERA	7/26/02	13.41	F6	-			EAF	
LWG01	03R002	TS	SP	008	WB	ERA	7/26/02	13 41	F6	-			EAF	
LWG01	03R002	TS	SP	009	WB	ERA	7/26/02	13:41	F6	-			EAF	
LWG01	03R002	TS	SP	010	WB	ERA	7/26/02	13:41	F6	-			EAF	
LWG01	03R002	TS	SP	011	WB	ERA	7/26/02	13:41	F6	-			EAF	
LWG01	03R002	TS	SP	012	WB	ERA	7/26/02	13 41	F6	-			EAF	
LWG01	03R002	TS	SP	013	WB	ERA	7/26/02	13:41	F6	-			EAF	
LWG01	03R002	TS	SP	014	WB	ERA	7/26/02	13:41	F6	-			EAF	
LWG01	03R002	TS	SP	015	WB	ERA	7/26/02	13:41	F6	-			EAF	
LWG01	03R002	TS	SP	016	WB	ERA	7/26/02	13:41	F6	-			EAF	

Table C-3 Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	03R002	TS	SP	017	WB	ERA	7/26/02	13:41	F6	-			EAF	
LWG01	03R002	TS	SP	018	WB	ERA	7/26/02	13.41	F6	-			EAF	
LWG01	03R002	TS	SP	019	WB	ERA	7/26/02	13.41	F6	-			EAF	
LWG01	03R002	TS	SP	020	WB	ERA	7/26/02	13:41	F6	-			EAF	
LWG01	03R002	TS	SP	021	WB	ERA	7/26/02	13:41	F6	-			EAF	
LWG01	03R002	TS	SP	022	WB	ERA	7/26/02	13:41	F6	-			EAF	
LWG01	03R002	TS	SP	023	WB	ERA	9/4/02	9·36	F6	-			EAF	
LWG01	03R002	TS	SP	024	WB	ERA	9/4/02	9.18	F6	-			EAF	
LWG01	03R002	TS	SP	025	WB	ERA	9/4/02	9:27	F6	-			EAF	
LWG01	03R002	TS	SP	026	WB	ERA	9/4/02	9 28	F6	-			EAF	
LWG01	03R002	TS	SP	027	WB	ERA	9/4/02	9.43	F6	-			EAF	
LWG01	03R002	TS	SP	028	WB	ERA	9/4/02	9 16	F6	-			EAF	
LWG01	03R002	TS	SP	029	WB	ERA	9/4/02	9.19	F6	-			EAF	
LWG01	03R002	TS	SP	030	WB	ERA	9/4/02	9·38	F6	-			EAF	
LWG01	03R002	TS	SP	031	WB	ERA	9/4/02	9:15	F6	-			EAF	
LWG01	03R002	TS	SP	032	WB	ERA	9/4/02	9.40	F6	-			EAF	
LWG01	03R002	TS	SP	033	WB	ERA	9/4/02	9:41	F6	-			EAF	
LWG01	03R002	TS	SP	034	WB	ERA	9/4/02	9.31	F6	-			EAF	
LWG01	03R002	TS	SP	035	WB	ERA	9/4/02	9·20			10/8/02		EAF	JS/SN
LWG01	03R002	TS	SP	036	WB	ERA	9/4/02	9:29			10/8/02		EAF	JS/SN
LWG01	03R002	TS	SP	037	WB	ERA	9/4/02	9:14			10/8/02		EAF	JS/SN
LWG01	03R002	TS	SP	038	WB	ERA	9/4/02	9 24			10/8/02		EAF	JS/SN
LWG01	03R002	TS	SP	039	WB	ERA	9/12/02	16:25			10/8/02		EAF	JS/SN
LWG01	03R002	TS	SP	040	WB	ERA	9/12/02	16.25			10/8/02		EAF	JS/SN
LWG01	03R002	TS	SP	041	WB	ERA	9/12/02	16:25			10/8/02		EAF	JS/SN
LWG01	03R002	TS	SP	042	WB	ERA	9/12/02	16·25			10/8/02		EAF	JS/SN
LWG01	03R002	TS	SP	043	WB	ERA	9/18/02	15·18			10/8/02		SN	JS/SN
LWG01	03R002	TS	SP	044	WB	ERA	9/18/02	15:18			10/8/02		SN	JS/SN
LWG01	03R002	TS	SP	045	WB	ERA	9/18/02	14·54			10/8/02		SN	JS/SN
LWG01	03R002	TS	SP	046	WB	ERA	9/18/02	15 18			10/8/02		SN	JS/SN
LWG01	03R002	TS	SP	047	WB	ERA	9/18/02	15:18			10/8/02		SN	JS/SN
LWG01	03R002	TS	SP	048	WB	ERA	9/18/02	15·18			10/8/02		SN	JS/SN
LWG01	03R002	TS	SP	049	WB	ERA	9/18/02	15·18			10/8/02		SN	JS/SN
LWG01	03R002	TS	SP	050	WB	ERA	9/18/02	15 18			10/8/02		SN	JS/SN
LWG01	03R002	TS	SP	051	WB	ERA	9/18/02	15:18			10/8/02		SN	JS/SN

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	03R002	TS	SP	052	WB	ERA	10/8/02	1159	F6	-			JS	
LWG01	03R002	TS	SP	053	WB	ERA	10/8/02	1159	F6	-			JS	
LWG01	03R002	TS	SP	054	WB	ERA	10/8/02	1202	F6	-			JS	
LWG01	03R002	TS	SP	055	WB	ERA	10/8/02	1159	F6	-			JS	
LWG01	03R002	TS	SP	056	WB	ERA	10/8/02	1159	F6	-			JS	
LWG01	03R002	TS	SP	057	WB	ERA	10/8/02	1212	F6	-			JS	
LWG01	03R002	TS	SP	058	WB	ERA	10/8/02	1204	F6	-			JS	
LWG01	03R002	TS	SP	059	WB	ERA	10/8/02	1159	F6	-			JS	
LWG01	03R002	TS	SP	060	WB	ERA	10/8/02	1201	F6	-			JS	
LWG01	03R002	TS	SP	061	WB	ERA	10/9/02	10:30	F6	-			EAF	
LWG01	03R002	TS	SP	062	WB	ERA	10/9/02	10.30	F6	-			EAF	
LWG01	03R002	TS	SP	063	WB	ERA	10/9/02	10.30	F6	-			EAF	
LWG01	03R002	TS	SP	064	WB	ERA	10/9/02	10·30	F6	-			EAF	
LWG01	03R002	TS	SP	065	WB	ERA	10/9/02	10:30	F6	-			EAF	
LWG01	03R002	TS	SP	066	WB	ERA	10/9/02	10:30	F6	-			EAF	
LWG01	03R002	TS	SP	067	WB	ERA	10/9/02	10.30	F6	-			EAF	
LWG01	03R002	TS	SP	068	WB	ERA	10/10/02	10 55	F6	-			EAF	
LWG01	03R002	TS	SP	068	WB	ERA	10/11/02	12.50	F6	-			EAF	
LWG01	03R002	TS	SP	069	WB	ERA	10/10/02	10:55	F6	-			EAF	
LWG01	03R002	TS	SP	070	WB	ERA	10/10/02	10:55	F6	-			EAF	
LWG01	03R002	TS	SP	071	WB	ERA	10/10/02	10:55	F6	-			EAF	
LWG01	03R002	TS	SP	072	WB	ERA	10/10/02	10:55	F6	-			EAF	
LWG01	03R002	TS	SP	073	WB	ERA	10/10/02	10·55	F6	-			EAF	
LWG01	03R002	TS	SP	075	WB	ERA	10/15/02	9.00	F6	-			EAF	
LWG01	03R002	TS	SP	076	WB	ERA	10/16/02	9:50	F6	-			EAF	
LWG01	03R002	TS	SP	077	WB	ERA	10/16/02	9:50	F6	-			EAF	
LWG01	03R002	TS	SP	078	WB	ERA	10/17/02	13 30	F6	-			EAF	
LWG01	03R002	TS	SP	079	WB	ERA	10/17/02	13:30	F6	-			EAF	
LWG01	03R002	TS	SP	080	WB	ERA	10/17/02	13.30	F6	-			EAF	
LWG01	03R002	TS	SP	081	WB	ERA	10/18/02	16:20	F6	-			EAF	
LWG01	03R002	TS	SP	082	WB	ERA	10/23/02	15.54	F6	-			EAF	
LWG01	03R002	TS	SP	083	WB	ERA	10/23/02	15:54	F6	-			EAF	
LWG01	03R003	TS	SP	001	WB	ERA	7/26/02	13:55	F6	-			EAF	
LWG01	03R003	TS	SP	002	WB	ERA	7/26/02	13.41	F6	-			EAF	
LWG01	03R003	TS	SP	003	WB	ERA	7/26/02	13·41	F6	-			EAF	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	03R003	TS	SP	004	WB	ERA	7/26/02	13:41	F6	-			EAF	
LWG01	03R003	TS	SP	005	WB	ERA	7/27/02	11:57	F6	-			EAF	
LWG01	03R003	TS	SP	006	WB	ERA	7/27/02	11 57	F6	-			EAF	
LWG01	03R003	TS	SP	007	WB	ERA	7/27/02	11:57	F6	-			EAF	
LWG01	03R003	TS	SP	008	WB	ERA	7/27/02	11:57	F6	-			EAF	
LWG01	03R003	TS	SP	009	WB	ERA	7/27/02	11·57	F6	-			EAF	
LWG01	03R003	TS	SP	010	WB	ERA	7/27/02	11:57	F6	-			EAF	
LWG01	03R003	TS	SP	011	WB	ERA	7/27/02	11:57	F6	-			EAF	
LWG01	03R003	TS	SP	012	WB	ERA	7/27/02	11·57	F6	-			EAF	
LWG01	03R003	TS	SP	013	WB	ERA	7/27/02	11 57	F6	-			EAF	
LWG01	03R003	TS	SP	014	WB	ERA	7/27/02	11:57	F6	-			EAF	
LWG01	03R003	TS	SP	015	WB	ERA	7/27/02	11·57	F6	-			EAF	
LWG01	03R003	TS	SP	016	WB	ERA	7/27/02	11·57	F6	-			EAF	
LWG01	03R003	TS	SP	017	WB	ERA	7/27/02	11 57	F6	-			EAF	
LWG01	03R003	TS	SP	018	WB	ERA	7/27/02	11:57	F6	-			EAF	
LWG01	03R003	TS	SP	019	WB	ERA	7/27/02	11:57	F6	-			EAF	
LWG01	03R003	TS	SP	020	WB	ERA	7/29/02	14 45	F6	-			SN	
LWG01	03R003	TS	SP	021	WB	ERA	7/27/02	11:57	F6	-			EAF	
LWG01	03R003	TS	SP	022	WB	ERA	9/4/02	9:13	F6	-			EAF	
LWG01	03R003	TS	SP	023	WB	ERA	9/4/02	9:22	F6	-			EAF	
LWG01	03R003	TS	SP	024	WB	ERA	9/4/02	9·34	F6	-			EAF	
LWG01	03R003	TS	SP	025	WB	ERA	9/4/02	9:13	F6	-			EAF	
LWG01	03R003	TS	SP	026	WB	ERA	9/4/02	9:26	F6	-			EAF	
LWG01	03R003	TS	SP	027	WB	ERA	9/4/02	9:17	F6	-			EAF	
LWG01	03R003	TS	SP	028	WB	ERA	9/4/02	9:35	F6	-			EAF	
LWG01	03R003	TS	SP	029	WB	ERA	9/4/02	9:39	F6	-			EAF	
LWG01	03R003	TS	SP	030	WB	ERA	9/4/02	9·15	F6	-			EAF	
LWG01	03R003	TS	SP	031	WB	ERA	9/4/02	9:16	F6	-			EAF	
LWG01	03R003	TS	SP	032	WB	ERA	9/4/02	9:23	F6	-			EAF	
LWG01	03R003	TS	SP	033	WB	ERA	9/4/02	9.32	F6	-			EAF	
LWG01	03R004	TS	SP	001	WB	ERA	7/27/02	11:57	F6	-			EAF	
LWG01	03R004	TS	SP	003	WB	ERA	7/27/02	11:57	F6	-			EAF	
LWG01	03R004	TS	SP	004	WB	ERA	7/27/02	11:57	F6	-			EAF	
LWG01	03R004	TS	SP	005	WB	ERA	7/27/02	11.57	F6	-			EAF	
LWG01	03R004	TS	SP	006	WB	ERA	7/27/02	11.57	F6	-			EAF	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	03R004	TS	SP	007	WB	ERA	7/27/02	11·57	F6	-			EAF	
LWG01	03R004	TS	SP	008	WB	ERA	7/27/02	11:57	F6	-			EAF	
LWG01	03R004	TS	SP	009	WB	ERA	7/29/02	17:23	F6	-			SN	
LWG01	03R004	TS	SP	010	WB	ERA	7/29/02	17·28	F6	-			SN	
LWG01	03R004	TS	SP	011	WB	ERA	7/29/02	17.18	F6	-			SN	
LWG01	03R004	TS	SP	012	WB	ERA	7/29/02	17:26	F6	-			SN	
LWG01	03R004	TS	SP	013	WB	ERA	7/29/02	17 30	F6	-			SN	
LWG01	03R004	TS	SP	014	WB	ERA	7/29/02	17.29	F6	-			SN	
LWG01	03R004	TS	SP	015	WB	ERA	7/29/02	17 21	F6	-			SN	
LWG01	03R004	TS	SP	016	WB	ERA	7/29/02	17.16	F6	-			SN	
LWG01	03R004	TS	SP	017	WB	ERA	7/29/02	17:15	F6	-			SN	
LWG01	03R004	TS	SP	018	WB	ERA	10/4/02	1257	F6	-			JS	
LWG01	03R004	TS	SP	019	WB	ERA	10/4/02	1244	F6	-			JS	
LWG01	03R004	TS	SP	020	WB	ERA	10/4/02	1257	F6	-			JS	
LWG01	03R004	TS	SP	021	WB	ERA	10/8/02	1220	F6	-			JS	
LWG01	03R004	TS	SP	022	WB	ERA	10/8/02	1220	F6	-			JS	
LWG01	03R004	TS	SP	023	WB	ERA	10/8/02	1213	F6	-			JS	
LWG01	03R004	TS	SP	024	WB	ERA	10/8/02	1220	F6	-			JS	
LWG01	03R004	TS	SP	025	WB	ERA	10/8/02	1214			11/20/02		JS	LF/JS/SN/JC
LWG01	03R004	TS	SP	026	WB	ERA	10/8/02	1220			11/20/02		JS	LF/JS/SN/JC
LWG01	03R004	TS	SP	027	WB	ERA	10/17/02	13:30			11/20/02		EAF	LF/JS/SN/JC
LWG01	03R004	TS	SP	028	WB	ERA	10/17/02	13 30			11/20/02		SN	LF/JS/SN/JC
LWG01	03R004	TS	SP	029	WB	ERA	10/17/02	13·30			11/20/02		SN	LF/JS/SN/JC
LWG01	03R004	TS	SP	030	WB	ERA	10/17/02	13:30			11/20/02		EAF	LF/JS/SN/JC
LWG01	03R004	TS	SP	031	WB	ERA	10/17/02	13:30			11/20/02		EAF	LF/JS/SN/JC
LWG01	03R004	TS	SP	031	WB	ERA	10/17/02	13:30			11/20/02		EAF	LF/JS/SN/JC
LWG01	03R004	TS	SP	032	WB	ERA	10/17/02	13·30	F6	-			EAF	
LWG01	03R004	TS	SP	033	WB	ERA	10/17/02	13:30			11/20/02		EAF	LF/JS/SN/JC
LWG01	03R004	TS	SP	034	WB	ERA	10/17/02	13.30			11/20/02		EAF	LF/JS/SN/JC
LWG01	03R004	TS	SP	036	WB	ERA	10/17/02	13:30	F6	-			EAF	
LWG01	03R004	TS	SP	037	WB	ERA	10/17/02	13·30			11/20/02		EAF	LF/JS/SN/JC
LWG01	03R004	TS	SP	038	WB	ERA	10/17/02	13 30			11/20/02		EAF	LF/JS/SN/JC
LWG01	03R004	TS	SP	039	WB	ERA	10/17/02	13:30	F6	-			EAF	
LWG01	03R004	TS	SP	040	WB	ERA	10/17/02	13:30			11/20/02		EAF	LF/JS/SN/JC
LWG01	03R004	TS	SP	041	WB	ERA	10/18/02	14:45			11/20/02		EAF	LF/JS/SN/JC

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	03R004	TS	SP	042	WB	ERA	10/18/02	14:45			11/20/02		EAF	LF/JS/SN/JC
LWG01	03R004	TS	SP	043	WB	ERA	10/18/02	14 45			11/20/02		EAF	LF/JS/SN/JC
LWG01	03R004	TS	SP	044	WB	ERA	10/18/02	14:45			11/20/02		EAF	LF/JS/SN/JC
LWG01	03R004	TS	SP	045	WB	ERA	10/18/02	14 45			11/20/02		EAF	LF/JS/SN/JC
LWG01	03R004	TS	SP	046	WB	ERA	10/18/02	16.20			11/20/02		EAF	LF/JS/SN/JC
LWG01	03R004	TS	SP	047	WB	ERA	10/18/02	16:20			11/20/02		EAF	LF/JS/SN/JC
LWG01	03R004	TS	SP	048	WB	ERA	10/18/02	16:20	F6	-			EAF	
LWG01	03R004	TS	SP	049	WB	ERA	10/18/02	16.20	F6	-			EAF	
LWG01	03R004	TS	SP	050	WB	ERA	10/18/02	16·20	F6	-			EAF	
LWG01	03R004	TS	SP	051	WB	ERA	10/18/02	16:20	F6	-			EAF	
LWG01	03R004	TS	SP	052	WB	ERA	10/24/02	13:55	F6	-			JS	
LWG01	03R004	TS	SP	053	WB	ERA	10/24/02	13 55	F6	-			JS	
LWG01	03R004	TS	SP	054	WB	ERA	10/24/02	13 55	F6	-			JS	
LWG01	03R004	TS	SP	055	WB	HHRA/ERA	10/25/02	11 10	F6	-			EAF	
LWG01	03R004	TS	SP	056	WB	HHRA/ERA	10/25/02	11.10	F6	-			EAF	
LWG01	03R004	TS	SP	057	WB	HHRA/ERA	10/25/02	11·10	F6	-			EAF	
LWG01	03R004	TS	SP	058	WB	HHRA/ERA	10/25/02	11.10	F6	-			EAF	
LWG01	03R004	TS	SP	059	WB	HHRA/ERA	10/25/02	11 10	F6	-			EAF	
LWG01	03R004	TS	SP	060	WB	HHRA/ERA	10/25/02	11:10	F6	-			EAF	
LWG01	03R004	TS	SP		WB	ERA	7/23/02	2:30	F6	-			EAF	
LWG01	03R005	TS	SP	001	WB	ERA	9/18/02	15:18	F6	-			SN	
LWG01	03R005	TS	SP	002	WB	ERA	9/19/02	16:27	F6	-			JM	
LWG01	03R005	TS	SP	003	WB	ERA	9/27/02	12:00	F6	-			EAF	
LWG01	03R005	TS	SP	004	WB	ERA	9/28/02	11:17	F6	-			SN	
LWG01	03R005	TS	SP	005	WB	ERA	10/3/02	16:05	F6	-			EAF	
LWG01	03R005	TS	SP	006	WB	ERA	10/3/02	16 08	F6	-			SN	
LWG01	03R005	TS	SP	008	WB	ERA	10/22/02	9·26	F6	-			JS	
LWG01	03R005	TS	SP	009	WB	ERA	10/23/02	15:54	F6	-			EAF	
LWG01	03R005	TS	SP	010	WB	ERA	10/23/02	15.54	F6	-			EAF	
LWG01	03R005	TS	SP	011	WB	ERA	10/23/02	15.54	F6	-			EAF	
LWG01	03R005	TS	SP	012	WB	ERA	10/23/02	15.54	F6	-			EAF	
LWG01	03R005	TS	SP	013	WB	ERA	10/23/02	15:54	F6	-			EAF	
LWG01	03R005	TS	SP	014	WB	ERA	10/23/02	15.54	F6	-			EAF	
LWG01	03R005	TS	SP	015	WB	ERA	10/23/02	15·54	F6	-			EAF	
LWG01	03R005	TS	SP	016	WB	ERA	10/23/02	15:54	F6	-			EAF	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	03R005	TS	SP	017	WB	ERA	10/23/02	15.54	F6	-			EAF	
LWG01	03R005	TS	SP	007	WB	ERA	10/18/02	15.30	F6	-			EAF	
LWG01	03R032	TS	SP	001	WB	ERA	10/2/02	13·00	F6	-			EAF	
LWG01	03R032	TS	SP	002	WB	ERA	10/2/02	13 00	F6	-			EAF	
LWG01	03R032	TS	SP	003	WB	ERA	10/2/02	13:00	F6	-			EAF	
LWG01	03R032	TS	SP	004	WB	ERA	10/2/02	13:00	F6	-			EAF	
LWG01	03R032	TS	SP	005	WB	ERA	10/2/02	13:00	F6	-			EAF	
LWG01	03R032	TS	SP	006	WB	ERA	10/2/02	13:00	F6	-			EAF	
LWG01	03R032	TS	SP	007	WB	ERA	10/2/02	13:00	F6	-			EAF	
LWG01	03R032	TS	SP	008	WB	ERA	10/2/02	13·00	F6	-			EAF	
LWG01	03R032	TS	SP	009	WB	ERA	10/2/02	13:00	F6	-			EAF	
LWG01	03R032	TS	SP	010	WB	ERA	10/2/02	13 00	F6	-			EAF	
LWG01	03R032	TS	SP	011	WB	ERA	10/4/02	1312	F6	-			JS	
LWG01	03R032	TS	SP	012	WB	ERA	10/4/02	1312	F6	-			JS	
LWG01	03R032	TS	SP	013	WB	ERA	10/4/02	1312	F6	-			JS	
LWG01	03R032	TS	SP	014	WB	ERA	10/4/02	1244	F6	-			JS	
LWG01	03R032	TS	SP	015	WB	ERA	10/4/02	1312	F6	-			JS	
LWG01	03R032	TS	SP	016	WB	ERA	10/4/02	1257	F6	-			JS	
LWG01	03R032	TS	SP	017	WB	ERA	10/10/02	10:55	F6	-			EAF	
LWG01	03R032	TS	SP	018	WB	ERA	10/10/02	10:55	F6	-			EAF	
LWG01	03R032	TS	SP	019	WB	ERA	10/10/02	10:55	F6	-			EAF	
LWG01	03R032	TS	SP	026	WB	ERA	10/11/02	18 35	F6	-			EAF	
LWG01	03R032	TS	SP	027	WB	ERA	10/11/02	18:35	F6	-			EAF	
LWG01	03R032	TS	SP	028	WB	ERA	10/11/02	18.35	F6	-			EAF	
LWG01	03R032	TS	SP	029	WB	ERA	10/11/02	18 35	F6	-			EAF	
LWG01	03R032	TS	SP	030	WB	ERA	10/16/02	9:50	F6	-			EAF	
LWG01	03R032	TS	SP	031	WB	ERA	10/16/02	9:50	F6	-			EAF	
LWG01	03R032	TS	SP	032	WB	ERA	10/16/02	9:50	F6	-			EAF	
LWG01	03R032	TS	SP	033	WB	ERA	10/16/02	9:50	F6	-			EAF	
LWG01	03R032	TS	SP	034	WB	ERA	10/16/02	9:50	F6	-			EAF	
LWG01	03R032	TS	SP	035	WB	ERA	10/16/02	9.50	F6	-			EAF	
LWG01	03R032	TS	SP	036	WB	ERA	10/17/02	13.30	F6	-			EAF	
LWG01	03R032	TS	SP	037	WB	ERA	10/17/02	13·30	F6	-			EAF	
LWG01	03R032	TS	SP	038	WB	ERA	10/18/02	14.45	F6	-			EAF	
LWG01	03R032	TS	SP	039	WB	ERA	10/18/02	16·20	F6	-			EAF	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	03R032	TS	SP	040	WB	ERA	10/18/02	16:20	F6	-			EAF	
LWG01	03R032	TS	SP	041	WB	ERA	10/18/02	16·20	F6	-			EAF	
LWG01	03R032	TS	SP	042	WB	ERA	10/18/02	16.20	F6	-			EAF	
LWG01	03R032	TS	SP	043	WB	ERA	10/23/02	11:00	F6	-			EAF	
LWG01	03R032	TS	SP	044	WB	ERA	10/24/02	13:55	F6	-			JS	
LWG01	03R032	TS	SP	045	WB	ERA	10/25/02	11·10	F6	-			EAF	
LWG01	03R032	TS	SP	046	WB	ERA	10/25/02	11:10	F6	-			EAF	
LWG01	04R001	TS	SP	039	WB	ERA	10/15/02	9.00	F6	-			EAF	
LWG01	04R002	TS	SP	001	WB	ERA	8/30/02	15.50	F6	-			EAF	
LWG01	04R002	TS	SP	002	WB	ERA	8/30/02	15:50	F6	-			EAF	
LWG01	04R002	TS	SP	003	WB	ERA	8/30/02	15.50	F6	-			EAF	
LWG01	04R002	TS	SP	004	WB	ERA	8/30/02	15.50	F6	-			EAF	
LWG01	04R002	TS	SP	004	WB	ERA	8/30/02	15·50	F6	-			EAF	
LWG01	04R002	TS	SP	005	WB	ERA	8/30/02	15·50	F6	-			EAF	
LWG01	04R002	TS	SP	006	WB	ERA	8/30/02	15:50	F6	-			EAF	
LWG01	04R002	TS	SP	007	WB	ERA	9/26/02	11:30	F6	-			EAF	
LWG01	04R002	TS	SP	008	WB	ERA	9/26/02	11 30	F6	-			EAF	
LWG01	04R002	TS	SP	009	WB	ERA	9/27/02	12:00	F6	-			EAF	
LWG01	04R002	TS	SP	010	WB	ERA	9/27/02	12.00	F6	-			EAF	
LWG01	04R002	TS	SP	011	WB	ERA	9/27/02	12·00	F6	-			EAF	
LWG01	04R002	TS	SP	012	WB	ERA	10/1/02	9:52	F6	-			EAF	
LWG01	04R002	TS	SP	013	WB	ERA	10/1/02	9.52	F6	-			EAF	
LWG01	04R002	TS	SP	014	WB	ERA	10/1/02	9.52	F6	-			EAF	
LWG01	04R002	TS	SP	015	WB	ERA	10/1/02	9:52	F6	-			EAF	
LWG01	04R002	TS	SP	016	WB	ERA	10/2/02	13.00	F6	-			EAF	
LWG01	04R002	TS	SP	017	WB	ERA	10/2/02	13·00	F6	-			EAF	
LWG01	04R002	TS	SP	018	WB	ERA	10/2/02	13·00	F6	-			EAF	
LWG01	04R002	TS	SP	019	WB	ERA	10/9/02	10.30	F6	-			EAF	
LWG01	04R002	TS	SP	020	WB	ERA	10/9/02	10:30	F6	-			EAF	
LWG01	04R002	TS	SP	021	WB	ERA	10/9/02	10.30	F6	-			EAF	
LWG01	04R002	TS	SP	022	WB	ERA	10/9/02	10 30	F6	-			EAF	
LWG01	04R002	TS	SP	023	WB	ERA	10/9/02	10·30	F6	-			EAF	
LWG01	04R002	TS	SP	024	WB	ERA	10/9/02	10:30	F6	-			EAF	
LWG01	04R003	TS	SP	001	WB	ERA	7/29/02	16:38	F6	-			SN	
LWG01	04R003	TS	SP	002	WB	ERA	7/29/02	16.45	F6	-			SN	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	04R003	TS	SP	003	WB	ERA	7/29/02	16 51	F6	-			SN	
LWG01	04R003	TS	SP	004	WB	ERA	7/29/02	16:59	F6	-			SN	
LWG01	04R003	TS	SP	005	WB	ERA	7/29/02	16:31	F6	-			SN	
LWG01	04R003	TS	SP	006	WB	ERA	7/29/02	17 05	F6	-			SN	
LWG01	04R003	TS	SP	007	WB	ERA	7/29/02	17 04	F6	-			SN	
LWG01	04R003	TS	SP	008	WB	ERA	7/29/02	16:42	F6	-			SN	
LWG01	04R003	TS	SP	009	WB	ERA	7/29/02	16:57	F6	-			SN	
LWG01	04R003	TS	SP	010	WB	ERA	7/29/02	16·59	F6	-			SN	
LWG01	04R003	TS	SP	011	WB	ERA	7/29/02	16 41	F6	-			SN	
LWG01	04R003	TS	SP	012	WB	ERA	7/29/02	16.22	F6	-			SN	
LWG01	04R003	TS	SP	012	WB	ERA	7/29/02	16:39	F6	-			SN	
LWG01	04R003	TS	SP	013	WB	ERA	7/29/02	16 36	F6	-			SN	
LWG01	04R003	TS	SP	014	WB	ERA	7/29/02	16 35	F6	-			SN	
LWG01	04R003	TS	SP	015	WB	ERA	7/29/02	16.25	F6	-			SN	
LWG01	04R003	TS	SP	016	WB	ERA	7/29/02	16:27	F6	-			SN	
LWG01	04R003	TS	SP	018	WB	ERA	7/29/02	16.19	F6	-			SN	
LWG01	04R003	TS	SP	019	WB	ERA	7/29/02	16:43	F6	-			SN	
LWG01	04R003	TS	SP	020	WB	ERA	7/29/02	16:33	F6	-			SN	
LWG01	04R003	TS	SP	021	WB	ERA	7/29/02	16:18	F6	-		ARCHIVE	SN	
LWG01	04R003	TS	SP	022	WB	ERA	7/29/02	16.29	F6	-			SN	
LWG01	04R003	TS	SP	023	WB	ERA	9/27/02	12:00	F6	-			EAF	
LWG01	04R003	TS	SP	024	WB	ERA	9/27/02	12:00	F6	-			EAF	
LWG01	04R003	TS	SP	025	WB	ERA	9/27/02	12 00	F6	-			EAF	
LWG01	04R003	TS	SP	026	WB	ERA	9/27/02	12·00	F6	-			EAF	
LWG01	04R003	TS	SP	027	WB	ERA	9/27/02	12 00	F6	-			EAF	
LWG01	04R003	TS	SP	028	WB	ERA	9/27/02	12.00	F6	-			EAF	
LWG01	04R003	TS	SP	029	WB	ERA	9/28/02	11:00	F6	-			JM	
LWG01	04R003	TS	SP	030	WB	ERA	9/28/02	11·00	F6	-			JM	
LWG01	04R003	TS	SP	031	WB	ERA	9/28/02	11·00	F6	-			JM	
LWG01	04R003	TS	SP	032	WB	ERA	10/1/02	9.52	F6	-			EAF	
LWG01	04R003	TS	SP	033	WB	ERA	10/1/02	9:52	F6	-			EAF	
LWG01	04R003	TS	SP	034	WB	ERA	10/8/02	1245	F6	-			EAF	
LWG01	04R003	TS	SP	035	WB	ERA	10/8/02	1245	F6	-			EAF	
LWG01	04R003	TS	SP	036	WB	ERA	10/8/02	1245	F6	-			EAF	
LWG01	04R003	TS	SP	037	WB	ERA	10/8/02	1245	F6	-			EAF	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	04R003	TS	SP	038	WB	ERA	10/9/02	10.30	F6	-			EAF	
LWG01	04R003	TS	SP	039	WB	ERA	10/9/02	10·30	F6	-			EAF	
LWG01	04R003	TS	SP	040	WB	ERA	10/15/02	9:00	F6	-			EAF	
LWG01	04R003	TS	SP	041	WB	ERA	10/18/02	16:20	F6	-			EAF	
LWG01	04R003	TS	SP	042	WB	ERA	10/25/02	11:10	F6	-			EAF	
LWG01	04R003	TS	SP	043	WB	ERA	10/25/02	11:10	F6	-			EAF	
LWG01	04R003	TS	SP	044	WB	ERA	10/25/02	11:10	F6	-			EAF	
LWG01	04R003	TS	SP	045	WB	ERA	10/26/02	12 57	F6	-			JM	
LWG01	04R003	TS	SP	046	WB	ERA	10/30/02	16.25	F6	-			EAF	
LWG01	04R003	TS	SP	047	WB	ERA	10/30/02	16:25	F6	-			EAF	
LWG01	04R004	TS	SP	001	WB	ERA	8/27/02	15:51	F6	-			JM	
LWG01	04R004	TS	SP	002	WB	ERA	8/27/02	15.40	F6	-			JM	
LWG01	04R004	TS	SP	003	WB	ERA	8/27/02	16:12	F6	-			JM	
LWG01	04R004	TS	SP	005	WB	ERA	9/18/02	15·18	F6	-			SN	
LWG01	04R004	TS	SP	006	WB	ERA	9/18/02	15:18	F6	-			SN	
LWG01	04R004	TS	SP	007	WB	ERA	9/18/02	15 18	F6	-			SN	
LWG01	04R004	TS	SP	008	WB	ERA	9/18/02	15 18	F6	-			SN	
LWG01	04R004	TS	SP	009	WB	ERA	9/19/02	16·14	F6	-			JM	
LWG01	04R004	TS	SP	010	WB	ERA	9/26/02	11 30	F6	-			EAF	
LWG01	04R004	TS	SP	011	WB	ERA	9/26/02	10:20	F6	-			EAF	
LWG01	04R004	TS	SP	012	WB	ERA	9/26/02	11:30	F6	-			EAF	
LWG01	04R004	TS	SP	013	WB	ERA	10/1/02	9:52	F6	-			EAF	
LWG01	04R004	TS	SP	014	WB	ERA	10/1/02	9 52	F6	-			EAF	
LWG01	04R004	TS	SP	015	WB	ERA	10/1/02	9.52	F6	-			EAF	
LWG01	04R004	TS	SP	017	WB	ERA	10/8/02	1245	F6	-			EAF	
LWG01	04R004	TS	SP	018	WB	ERA	10/16/02	9.50	F6	-			EAF	
LWG01	04R004	TS	SP	019	WB	ERA	10/25/02	11:10	F6	-			EAF	
LWG01	04R004	TS	SP	020	WB	ERA	10/30/02	16·25	F6	-			EAF	
LWG01	04R004	TS	SP	021	WB	ERA	10/30/02	16:25	F6	-			EAF	
LWG01	04R004	TS	SP	022	WB	ERA	10/30/02	16:25	F6	-			EAF	
LWG01	04R004	TS	SP	023	WB	ERA	10/30/02	16·25	F6	-			EAF	
LWG01	04R004	TS	SP	024	WB	ERA	10/30/02	16 25	F6	-			EAF	
LWG01	04R004	TS	SP	025	WB	ERA	10/30/02	16·25	F6	-			EAF	
LWG01	04R004	TS	SP	026	WB	ERA	10/30/02	16 25	F6	-			EAF	
LWG01	05R001	TS	SP	001	WB	ERA	7/31/02	15:20			10/8/02		EAF	JS/SN

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	05R001	TS	SP	002	WB	ERA	7/31/02	15:20	F6	-			EAF	
LWG01	05R001	TS	SP	003	WB	ERA	7/31/02	15:20			10/8/02		EAF	JS/SN
LWG01	05R001	TS	SP	004	WB	ERA	7/31/02	15:20			10/8/02		EAF	JS/SN
LWG01	05R001	TS	SP	005	WB	ERA	7/31/02	15:20			10/8/02		EAF	JS/SN
LWG01	05R001	TS	SP	006	WB	ERA	7/31/02	15:20			10/8/02		EAF	JS/SN
LWG01	05R001	TS	SP	007	WB	ERA	7/31/02	15:20			10/8/02		EAF	JS/SN
LWG01	05R001	TS	SP	008	WB	ERA	7/31/02	15.20			10/8/02		EAF	JS/SN
LWG01	05R001	TS	SP	009	WB	ERA	7/31/02	15:20			10/8/02		EAF	JS/SN
LWG01	05R001	TS	SP	010	WB	ERA	7/31/02	15 20			10/8/02		EAF	JS/SN
LWG01	05R001	TS	SP	011	WB	ERA	7/31/02	15 20			10/8/02		EAF	JS/SN
LWG01	05R001	TS	SP	012	WB	ERA	7/31/02	15.20			10/8/02		EAF	JS/SN
LWG01	05R001	TS	SP	013	WB	ERA	7/31/02	15:20			10/8/02		EAF	JS/SN
LWG01	05R001	TS	SP	014	WB	ERA	7/31/02	15:20			10/8/02		EAF	JS/SN
LWG01	05R001	TS	SP	015	WB	ERA	7/31/02	15:20			10/8/02		EAF	JS/SN
LWG01	05R001	TS	SP	016	WB	ERA	7/31/02	15:20			10/8/02		EAF	JS/SN
LWG01	05R001	TS	SP	017	WB	ERA	7/31/02	15:20			10/8/02		EAF	JS/SN
LWG01	05R001	TS	SP	019	WB	ERA	7/31/02	15.20			10/8/02		EAF	JS/SN
LWG01	05R001	TS	SP	020	WB	ERA	7/31/02	15:20			10/8/02		EAF	JS/SN
LWG01	05R001	TS	SP	021	WB	ERA	7/31/02	15:20			10/8/02		EAF	JS/SN
LWG01	05R001	TS	SP	022	WB	ERA	7/31/02	15:20			10/8/02		EAF	JS/SN
LWG01	05R001	TS	SP	023	WB	ERA	10/25/02	11:10	F6	-			EAF	
LWG01	05R001	TS	SP	024	WB	ERA	10/25/02	11:10	F6	-			EAF	
LWG01	05R020	TS	SP	001	WB	ERA	8/27/02	16 15	F6	-			JM	
LWG01	05R020	TS	SP	002	WB	ERA	8/27/02	16:20	F6	-			JM	
LWG01	05R020	TS	SP	003	WB	ERA	8/27/02	16:18	F6	-			JM	
LWG01	05R020	TS	SP	004	WB	ERA	8/27/02	16:22	F6	-			JM	
LWG01	05R020	TS	SP	005	WB	ERA	8/27/02	16 13	F6	-			JM	
LWG01	05R020	TS	SP	006	WB	ERA	8/27/02	15:07	F6	-			JM	
LWG01	05R020	TS	SP	007	WB	ERA	8/27/02	15:18	F6	-			JM	
LWG01	05R020	TS	SP	008	WB	ERA	8/27/02	16:19	F6	-			JM	
LWG01	05R020	TS	SP	009	WB	ERA	8/27/02	15:17	F6	-			JM	
LWG01	05R020	TS	SP	010	WB	ERA	8/27/02	15:30	F6	-			JM	
LWG01	05R020	TS	SP	011	WB	ERA	8/27/02	16:20	F6	-			JM	
LWG01	05R020	TS	SP	012	WB	ERA	8/27/02	15:25	F6	-			JM	
LWG01	05R020	TS	SP	013	WB	ERA	8/27/02	16:14	F6	-			JM	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	05R020	TS	SP	014	WB	ERA	8/27/02	16.21	F6	-			JM	
LWG01	05R020	TS	SP	015	WB	ERA	8/27/02	16:16	F6	-			JM	
LWG01	05R020	TS	SP	016	WB	ERA	8/27/02	16:06	F6	-			JM	
LWG01	05R020	TS	SP	017	WB	ERA	8/27/02	15:35	F6	-			JM	
LWG01	05R020	TS	SP	018	WB	ERA	8/27/02	16.08	F6	-			JM	
LWG01	05R020	TS	SP	019	WB	ERA	8/27/02	16·07	F6	-			JM	
LWG01	05R020	TS	SP	020	WB	ERA	8/27/02	16:10	F6	-			JM	
LWG01	05R020	TS	SP	021	WB	ERA	8/27/02	15·50	F6	-			JM	
LWG01	05R020	TS	SP	022	WB	ERA	8/30/02	15:11	F6	-			EAF	
LWG01	05R020	TS	SP	023	WB	ERA	8/30/02	15·11	F6	-			EAF	
LWG01	05R020	TS	SP	024	WB	ERA	8/30/02	15:11	F6	-			EAF	
LWG01	05R020	TS	SP	025	WB	ERA	8/30/02	15.11	F6	-			EAF	
LWG01	05R020	TS	SP	027	WB	ERA	8/30/02	15:11	F6	-			EAF	
LWG01	05R020	TS	SP	028	WB	ERA	8/30/02	14:38	F6	-			EAF	
LWG01	05R020	TS	SP	028	WB	ERA	8/30/02	15:11	F6	-			EAF	
LWG01	05R020	TS	SP	029	WB	ERA	8/30/02	15·11	F6	-			EAF	
LWG01	05R020	TS	SP	030	WB	ERA	8/30/02	15:11	F6	-			EAF	
LWG01	05R020	TS	SP	031	WB	ERA	8/30/02	15:11	F6	-			EAF	
LWG01	05R020	TS	SP	032	WB	ERA	8/30/02	15:11	F6	-			EAF	
LWG01	05R020	TS	SP	033	WB	ERA	8/30/02	15:11	F6	-			EAF	
LWG01	05R020	TS	SP	034	WB	ERA	10/8/02	1237	F6	-			EAF	
LWG01	05R020	TS	SP	035	WB	ERA	10/8/02	1237	F6	-			EAF	
LWG01	05R020	TS	SP	036	WB	ERA	10/8/02	1237	F6	-			EAF	
LWG01	05R020	TS	SP	037	WB	ERA	10/8/02	1237	F6	-			EAF	
LWG01	05R020	TS	SP	038	WB	ERA	10/8/02	1237	F6	-			EAF	
LWG01	05R020	TS	SP	039	WB	ERA	10/8/02	1237	F6	-			EAF	
LWG01	05R020	TS	SP	040	WB	ERA	10/8/02	1237	F6	-			EAF	
LWG01	05R020	TS	SP	041	WB	ERA	10/8/02	1237	F6	-			EAF	
LWG01	05R020	TS	SP	042	WB	ERA	10/8/02	1237	F6	-			EAF	
LWG01	05R020	TS	SP	043	WB	ERA	10/8/02	1237	F6	-			EAF	
LWG01	05R020	TS	SP	044	WB	ERA	10/8/02	1237	F6	-			EAF	
LWG01	05R020	TS	SP	045	WB	ERA	10/8/02	1237	F6	-			EAF	
LWG01	05R020	TS	SP	046	WB	ERA	10/10/02	10:55	F6	-			EAF	
LWG01	05R020	TS	SP	047	WB	ERA	10/10/02	10:55	F6	-			EAF	
LWG01	05R020	TS	SP	048	WB	ERA	10/10/02	10:55	F6	-			EAF	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	05R020	TS	SP	049	WB	ERA	10/10/02	10:55	F6	-			EAF	
LWG01	05R020	TS	SP	050	WB	ERA	10/10/02	10:55	F6	-			EAF	
LWG01	05R020	TS	SP	051	WB	ERA	10/15/02	9:00	F6	-			EAF	
LWG01	05R020	TS	SP	052	WB	ERA	10/15/02	9:00	F6	-			EAF	
LWG01	05R020	TS	SP	053	WB	ERA	10/15/02	9:00	F6	-			EAF	
LWG01	05R020	TS	SP	054	WB	ERA	10/15/02	9:00	F6	-			EAF	
LWG01	05R020	TS	SP	055	WB	ERA	10/16/02	9:50	F6	-			EAF	
LWG01	05R020	TS	SP	056	WB	ERA	10/16/02	9:50	F6	-			EAF	
LWG01	05R020	TS	SP	057	WB	ERA	10/16/02	9:50	F6	-			EAF	
LWG01	05R020	TS	SP	058	WB	ERA	10/16/02	9:50	F6	-			EAF	
LWG01	06R001	TS	SP	001	WB	ERA	8/8/02	10:55	F6	-			EAF	
LWG01	06R001	TS	SP	002	WB	ERA	8/26/02	17:07	F6	-			JM	
LWG01	06R001	TS	SP	003	WB	ERA	8/26/02	17.10	F6	-			JM	
LWG01	06R001	TS	SP	004	WB	ERA	8/26/02	17:00	F6	-			JM	
LWG01	06R001	TS	SP	005	WB	ERA	8/26/02	17:02	F6	-			JM	
LWG01	06R001	TS	SP	006	WB	ERA	8/26/02	17.04	F6	-			JM	
LWG01	06R001	TS	SP	007	WB	ERA	8/26/02	17·08	F6	-			JM	
LWG01	06R001	TS	SP	008	WB	ERA	8/26/02	17.03	F6	-			JM	
LWG01	06R001	TS	SP	009	WB	ERA	8/26/02	17:05	F6	-			JM	
LWG01	06R001	TS	SP	010	WB	ERA	8/26/02	17:13	F6	-			JM	
LWG01	06R001	TS	SP	011	WB	ERA	8/26/02	17:11	F6	-			JM	
LWG01	06R001	TS	SP	012	WB	ERA	9/19/02	16:22	F6	-			JM	
LWG01	06R001	TS	SP	013	WB	ERA	9/19/02	16·36	F6	-			JM	
LWG01	06R001	TS	SP	014	WB	ERA	9/19/02	16.32	F6	-			JM	
LWG01	06R001	TS	SP	015	WB	ERA	9/19/02	16:30	F6	-			JM	
LWG01	06R001	TS	SP	016	WB	ERA	9/19/02	16:25	F6	-			JM	
LWG01	06R001	TS	SP	017	WB	ERA	9/19/02	16:35	F6	-			JM	
LWG01	06R001	TS	SP	018	WB	ERA	9/20/02	15:15	F6	-			JM	
LWG01	06R001	TS	SP	019	WB	ERA	10/11/02	18:35	F6	-			EAF	
LWG01	06R001	TS	SP	020	WB	ERA	10/16/02	9.50	F6	-			EAF	
LWG01	06R001	TS	SP	021	WB	ERA	10/17/02	13:30	F6	-			EAF	
LWG01	06R001	TS	SP	022	WB	ERA	10/17/02	13 30	F6	-			EAF	
LWG01	06R002	TS	SP	001	WB	ERA	8/10/02	10:55	F6	-			EAF	
LWG01	06R002	TS	SP	002	WB	ERA	8/10/02	8:50			10/8/02		EAF	JS/SN
LWG01	06R002	TS	SP	003	WB	ERA	8/10/02	10:58			10/8/02		EAF	JS/SN

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	06R002	TS	SP	004	WB	ERA	8/10/02	9:03			10/8/02		EAF	JS/SN
LWG01	06R002	TS	SP	005	WB	ERA	8/10/02	8:47			10/8/02		EAF	JS/SN
LWG01	06R002	TS	SP	006	WB	ERA	8/10/02	8:45			10/8/02		EAF	JS/SN
LWG01	06R002	TS	SP	007	WB	ERA	8/16/02	15:45			10/8/02		EAF	JS/SN
LWG01	06R002	TS	SP	008	WB	ERA	8/16/02	15.45			10/8/02		EAF	JS/SN
LWG01	06R002	TS	SP	009	WB	ERA	8/16/02	15:45			10/8/02		EAF	JS/SN
LWG01	06R002	TS	SP	010	WB	ERA	8/16/02	15:45			10/8/02		EAF	JS/SN
LWG01	06R002	TS	SP	011	WB	ERA	8/16/02	15:45			10/8/02		EAF	JS/SN
LWG01	06R002	TS	SP	012	WB	ERA	8/16/02	15:45			10/8/02		EAF	JS/SN
LWG01	06R002	TS	SP	013	WB	ERA	8/16/02	15.45			10/8/02		EAF	JS/SN
LWG01	06R002	TS	SP	014	WB	ERA	8/16/02	15:45			10/8/02		EAF	JS/SN
LWG01	06R002	TS	SP	015	WB	ERA	8/16/02	15:45			10/8/02		EAF	JS/SN
LWG01	06R002	TS	SP	016	WB	ERA	8/16/02	15:45			10/8/02		EAF	JS/SN
LWG01	06R002	TS	SP	017	WB	ERA	8/16/02	15:45			10/8/02		EAF	JS/SN
LWG01	06R002	TS	SP	018	WB	ERA	8/16/02	15:45			10/8/02		EAF	JS/SN
LWG01	06R002	TS	SP	019	WB	ERA	8/16/02	15.45			10/8/02		EAF	JS/SN
LWG01	06R002	TS	SP	020	WB	ERA	8/16/02	15:45			10/8/02		EAF	JS/SN
LWG01	06R002	TS	SP	021	WB	ERA	8/16/02	15:45	F6	-			EAF	
LWG01	06R002	TS	SP	022	WB	ERA	10/8/02	1225	F6	-			EAF	
LWG01	06R002	TS	SP	023	WB	ERA	10/8/02	1225	F6	-			EAF	
LWG01	06R002	TS	SP	024	WB	ERA	10/8/02	1225	F6	-			EAF	
LWG01	06R002	TS	SP	025	WB	ERA	10/8/02	1225	F6	-			EAF	
LWG01	06R002	TS	SP	026	WB	ERA	10/8/02	1225	F6	-			EAF	
LWG01	06R002	TS	SP	027	WB	ERA	10/8/02	1240	F6	-			EAF	
LWG01	06R002	TS	SP	028	WB	ERA	10/8/02	1240	F6	-			EAF	
LWG01	06R002	TS	SP	029	WB	ERA	10/8/02	1240	F6	-			EAF	
LWG01	06R002	TS	SP	030	WB	ERA	10/8/02	1240	F6	-			EAF	
LWG01	06R002	TS	SP	031	WB	ERA	10/8/02	1240	F6	-			EAF	
LWG01	06R002	TS	SP	032	WB	ERA	10/8/02	1240	F6	-			EAF	
LWG01	06R002	TS	SP	033	WB	ERA	10/10/02	10.55	F6	-			EAF	
LWG01	06R002	TS	SP	034	WB	ERA	10/10/02	10·55	F6	-			EAF	
LWG01	06R002	TS	SP	035	WB	ERA	10/10/02	10.55	F6	-			EAF	
LWG01	06R002	TS	SP	036	WB	ERA	10/10/02	10:55	F6	-			EAF	
LWG01	06R002	TS	SP	037	WB	ERA	10/10/02	10·55	F6	-			EAF	
LWG01	06R002	TS	SP	038	WB	ERA	10/10/02	10:55	F6	-			EAF	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	06R002	TS	SP	039	WB	ERA	10/10/02	10:55	F6	-			EAF	
LWG01	06R002	TS	SP	040	WB	ERA	10/10/02	10:55	F6	-			EAF	
LWG01	06R002	TS	SP	041	WB	ERA	10/10/02	10.55	F6	-			EAF	
LWG01	06R002	TS	SP	042	WB	ERA	10/11/02	12:50	F6	-			EAF	
LWG01	06R002	TS	SP	043	WB	ERA	10/11/02	12:50	F6	-			EAF	
LWG01	06R002	TS	SP	044	WB	ERA	10/11/02	12:50	F6	-			EAF	
LWG01	06R002	TS	SP	045	WB	ERA	10/11/02	12:50	F6	-			EAF	
LWG01	06R002	TS	SP	046	WB	ERA	10/11/02	12 50	F6	-			EAF	
LWG01	06R002	TS	SP	047	WB	ERA	10/24/02	13:55	F6	-			JS	
LWG01	06R002	TS	SP	048	WB	ERA	10/24/02	13.55	F6	-			JS	
LWG01	06R002	TS	SP	049	WB	ERA	10/24/02	13·55	F6	-			JS	
LWG01	06R002	TS	SP	050	WB	ERA	10/24/02	13 55	F6	-			JS	
LWG01	06R002	TS	SP	051	WB	ERA	10/24/02	13:55	F6	-			SN	
LWG01	06R004	TS	SP	001	WB	ERA	9/27/02	12:00	F6	-			EAF	
LWG01	06R004	TS	SP	002	WB	ERA	9/27/02	12.00	F6	-			EAF	
LWG01	06R004	TS	SP	003	WB	ERA	9/27/02	12:00	F6	-			EAF	
LWG01	06R004	TS	SP	004	WB	ERA	9/27/02	12:00	F6	-			EAF	
LWG01	06R004	TS	SP	005	WB	ERA	9/27/02	12·00	F6	-			EAF	
LWG01	06R004	TS	SP	006	WB	ERA	9/27/02	12:00	F6	-			EAF	
LWG01	06R004	TS	SP	007	WB	ERA	9/27/02	12:00	F6	-			EAF	
LWG01	06R004	TS	SP	008	WB	ERA	9/27/02	12·00	F6	-			EAF	
LWG01	06R004	TS	SP	009	WB	ERA	9/27/02	12.00	F6	-			EAF	
LWG01	06R004	TS	SP	010	WB	ERA	9/27/02	12:00	F6	-			EAF	
LWG01	06R004	TS	SP	011	WB	ERA	9/27/02	12:00	F6	-			EAF	
LWG01	06R004	TS	SP	012	WB	ERA	9/27/02	12:00	F6	-			EAF	
LWG01	06R004	TS	SP	013	WB	ERA	9/27/02	12:00	F6	-			EAF	
LWG01	06R004	TS	SP	014	WB	ERA	9/27/02	12:00	F6	-			EAF	
LWG01	06R004	TS	SP	015	WB	ERA	9/28/02	10:40	F6	-			JM	
LWG01	06R004	TS	SP	016	WB	ERA	9/28/02	10:40	F6	-			JM	
LWG01	06R004	TS	SP	017	WB	ERA	9/28/02	10:40	F6	-			JM	
LWG01	06R004	TS	SP	018	WB	ERA	9/28/02	10.36	F6	-			JM	
LWG01	06R004	TS	SP	019	WB	ERA	9/28/02	10·40	F6	-			JM	
LWG01	06R004	TS	SP	020	WB	ERA	9/28/02	10:40	F6	-			JM	
LWG01	06R004	TS	SP	021	WB	ERA	9/28/02	10:40	F6	-			JM	
LWG01	06R004	TS	SP	022	WB	ERA	9/28/02	10:40	F6	-			JM	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	06R004	TS	SP	023	WB	ERA	10/3/02	1635	F6	-			EAF	
LWG01	06R004	TS	SP	024	WB	ERA	10/3/02	1635	F6	-			EAF	
LWG01	06R004	TS	SP	025	WB	ERA	10/9/02	10:30	F6	-			EAF	
LWG01	07R001	TS	SP	001	WB	ERA	8/16/02	15:45	F6	-			EAF	
LWG01	07R001	TS	SP	002	WB	ERA	8/16/02	15.45	F6	-			EAF	
LWG01	07R002	TS	SP	001	WB	ERA	8/10/02	9:40	F6	-			EAF	
LWG01	07R002	TS	SP	002	WB	ERA	8/10/02	11:25	F6	-			EAF	
LWG01	07R002	TS	SP	003	WB	ERA	8/10/02	11:30	F6	-			EAF	
LWG01	07R002	TS	SP	004	WB	ERA	8/13/02	7:05	F6	-			EAF	
LWG01	07R002	TS	SP	005	WB	ERA	8/13/02	7:04	F6	-			EAF	
LWG01	07R002	TS	SP	006	WB	ERA	8/16/02	10:55	F6	-			EAF	
LWG01	07R002	TS	SP	007	WB	ERA	8/16/02	15·45	F6	-			EAF	
LWG01	07R002	TS	SP	008	WB	ERA	8/16/02	15:45	F6	-			EAF	
LWG01	07R002	TS	SP	009	WB	ERA	8/16/02	15:45	F6	-			EAF	
LWG01	07R002	TS	SP	010	WB	ERA	8/16/02	15:45	F6	-			EAF	
LWG01	07R002	TS	SP	011	WB	ERA	8/16/02	15 45	F6	-			EAF	
LWG01	07R002	TS	SP	012	WB	ERA	8/16/02	15:45	F6	-			EAF	
LWG01	07R002	TS	SP	013	WB	ERA	8/16/02	15:45	F6	-			EAF	
LWG01	07R002	TS	SP	014	WB	ERA	8/16/02	15·45	F6	-			EAF	
LWG01	07R002	TS	SP	015	WB	ERA	8/29/02	8:30	F6	-			EAF	
LWG01	07R002	TS	SP	016	WB	ERA	8/29/02	8.30	F6	-			EAF	
LWG01	07R002	TS	SP	017	WB	ERA	8/29/02	8:18	F6	-			EAF	
LWG01	07R002	TS	SP	018	WB	ERA	8/29/02	8:30	F6	-			EAF	
LWG01	07R002	TS	SP	019	WB	ERA	8/29/02	8:30	F6	-			EAF	
LWG01	07R002	TS	SP	020	WB	ERA	8/30/02	15.11	F6	-			EAF	
LWG01	07R002	TS	SP	021	WB	ERA	8/30/02	15:11	F6	-			EAF	
LWG01	07R002	TS	SP	022	WB	ERA	8/30/02	15:11	F6	-			EAF	
LWG01	07R002	TS	SP	023	WB	ERA	8/30/02	15:11	F6	-			EAF	
LWG01	07R003	TS	SP	001	WB	ERA	8/13/02	7:08	F6	-			EAF	
LWG01	07R003	TS	SP	002	WB	ERA	8/13/02	7:00	F6	-			EAF	
LWG01	07R003	TS	SP	003	WB	ERA	8/16/02	15·45	F6	-			EAF	
LWG01	07R003	TS	SP	004	WB	ERA	8/16/02	15:45	F6	-			EAF	
LWG01	07R003	TS	SP	005	WB	ERA	8/16/02	15:45	F6	-			EAF	
LWG01	07R003	TS	SP	006	WB	ERA	8/16/02	15:45	F6	-			EAF	
LWG01	07R003	TS	SP	007	WB	ERA	8/29/02	8:30	F6	-			EAF	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	07R003	TS	SP	008	WB	ERA	8/29/02	8:30	F6	-			EAF	
LWG01	07R003	TS	SP	009	WB	ERA	10/3/02	1704	F6	-			EAF	
LWG01	07R003	TS	SP	010	WB	ERA	10/8/02	1215	F6	-			EAF	
LWG01	07R003	TS	SP	011	WB	ERA	10/8/02	1215	F6	-			EAF	
LWG01	07R003	TS	SP	012	WB	ERA	10/8/02	1215	F6	-			EAF	
LWG01	07R003	TS	SP	013	WB	ERA	10/10/02	10:55	F6	-			EAF	
LWG01	07R003	TS	SP	014	WB	ERA	10/26/02	12:57	F6	-			JM	
LWG01	07R003	TS	SP	015	WB	ERA	10/26/02	12:57	F6	-			JM	
LWG01	07R003	TS	SP	016	WB	ERA	10/26/02	12:57	F6	-			JM	
LWG01	07R003	TS	SP	017	WB	ERA	10/26/02	12:57	F6	-			JM	
LWG01	07R003	TS	SP	018	WB	ERA	10/26/02	12:55	F6	-			JM	
LWG01	07R003	TS	SP	019	WB	ERA	10/26/02	12:57	F6	-			JM	
LWG01	07R006	TS	SP	005	WB	ERA	11/9/02	18:58	F6	-			SN	
LWG01	07R006	TS	SP	006	WB	ERA	11/9/02	18·58	F6	-			SN	
LWG01	07R006	TS	SP	007	WB	ERA	11/9/02	18:58	F6	-			SN	
LWG01	07R006	TS	SP	008	WB	ERA	11/9/02	18.58	F6	-			SN	
LWG01	07R006	TS	SP	009	WB	ERA	11/9/02	18:58	F6	-			SN	
LWG01	07R006	TS	SP	010	WB	ERA	11/9/02	18.58	F6	-			SN	
LWG01	07R006	TS	SP	010	WB	ERA	11/10/02	17.41	F6	-			SN	
LWG01	07R006	TS	SP	011	WB	ERA	11/10/02	17·41	F6	-			SN	
LWG01	07R006	TS	SP	013	WB	ERA	11/10/02	17:41	F6	-			SN	
LWG01	07R006	TS	SP	014	WB	ERA	11/10/02	17 41	F6	-			SN	
LWG01	07R006	TS	SP	015	WB	ERA	11/10/02	17:41	F6	-			SN	
LWG01	08R001	TS	SP	001	WB	ERA	8/15/02	12:59	F6	-			EAF	
LWG01	08R001	TS	SP	002	WB	ERA	8/15/02	12:59	F6	-			EAF	
LWG01	08R001	TS	SP	003	WB	ERA	8/15/02	12·59	F6	-			EAF	
LWG01	08R001	TS	SP	004	WB	ERA	8/15/02	13.30	F6	-			EAF	
LWG01	08R001	TS	SP	005	WB	ERA	8/15/02	13:30	F6	-			EAF	
LWG01	08R001	TS	SP	006	WB	ERA	8/15/02	12:59	F6	-			SN	
LWG01	08R001	TS	SP	007	WB	ERA	8/15/02	13:30	F6	-			EAF	
LWG01	08R001	TS	SP	008	WB	ERA	8/15/02	12:59	F6	-			SN	
LWG01	08R001	TS	SP	009	WB	ERA	8/15/02	13:30	F6	-			EAF	
LWG01	08R001	TS	SP	010	WB	ERA	8/15/02	13:30	F6	-			EAF	
LWG01	08R001	TS	SP	011	WB	ERA	8/15/02	13.30	F6	-			EAF	
LWG01	08R001	TS	SP	012	WB	ERA	8/15/02	13.30	F6	-			EAF	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	08R001	TS	SP	013	WB	ERA	8/15/02	13:30	F6	-			EAF	
LWG01	08R001	TS	SP	014	WB	ERA	8/16/02	10:55	F6	-			EAF	
LWG01	08R001	TS	SP	016	WB	ERA	8/16/02	10:55	F6	-			EAF	
LWG01	08R001	TS	SP	017	WB	ERA	8/16/02	10.55	F6	-			EAF	
LWG01	08R001	TS	SP	018	WB	ERA	8/16/02	10:55	F6	-			EAF	
LWG01	08R001	TS	SP	019	WB	ERA	8/16/02	10:55	F6	-			EAF	
LWG01	08R001	TS	SP	020	WB	ERA	8/16/02	10:55	F6	-			EAF	
LWG01	08R001	TS	SP	021	WB	ERA	8/16/02	10:55	F6	-			EAF	
LWG01	02R015	TS	SP	021	WB	ERA	10/24/02	13 55	F6	-			JS	
LWG01	08R001	TS	SP	022	WB	ERA	8/16/02	10:55	F6	-			EAF	
LWG01	08R001	TS	SP	023	WB	ERA	8/16/02	10:55	F6	-			EAF	
LWG01	08R001	TS	SP	024	WB	ERA	8/16/02	10:55	F6	-			EAF	
LWG01	08R001	TS	SP	025	WB	ERA	9/17/02	10 40	F6	-			EAF	
LWG01	03R001	TS	SP	026	WB	ERA	9/17/02	10.40	F6	-			EAF	
LWG01	08R001	TS	SP	026	WB	ERA	9/17/02	10:40	F6	-			EAF	
LWG01	08R001	TS	SP	027	WB	ERA	9/17/02	10:40	F6	-			EAF	
LWG01	08R001	TS	SP	028	WB	ERA	9/17/02	10:40	F6	-			EAF	
LWG01	08R001	TS	SP	029	WB	ERA	9/17/02	10:40	F6	-			EAF	
LWG01	08R001	TS	SP	030	WB	ERA	9/17/02	10:24	F6	-			EAF	
LWG01	08R001	TS	SP	031	WB	ERA	9/17/02	10:40	F6	-			EAF	
LWG01	08R001	TS	SP	032	WB	ERA	9/17/02	10:40	F6	-			EAF	
LWG01	08R001	TS	SP	033	WB	ERA	9/17/02	10·22	F6	-			EAF	
LWG01	08R001	TS	SP	034	WB	ERA	9/19/02	15:59	F6	-			JM	
LWG01	08R001	TS	SP	035	WB	ERA	9/19/02	15:40	F6	-			JM	
LWG01	08R001	TS	SP	036	WB	ERA	9/19/02	15:42	F6	-			JM	
LWG01	08R001	TS	SP	037	WB	ERA	9/19/02	16:12	F6	-			JM	
LWG01	08R001	TS	SP	038	WB	ERA	9/19/02	16:10	F6	-			JM	
LWG01	08R001	TS	SP	039	WB	ERA	9/18/02	15:18	F6	-			SN	
LWG01	08R001	TS	SP	040	WB	ERA	10/4/02	1445	F6	-			JM	
LWG01	08R001	TS	SP	041	WB	ERA	10/4/02	1445	F6	-			JM	
LWG01	08R001	TS	SP	042	WB	ERA	10/23/02	11·00	F6	-			EAF	
LWG01	08R001	TS	SP	050	WB	ERA	10/24/02	13·55	F6	-			JS	
LWG01	08R001	TS	SP	043	WB	ERA	10/23/02	11.00	F6	-			EAF	
LWG01	08R001	TS	SP	051	WB	ERA	10/24/02	13:55	F6	-			JS	
LWG01	08R001	TS	SP	044	WB	ERA	10/24/02	13:55	F6	-			JS	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	08R001	TS	SP	052	WB	ERA	10/25/02	11:10	F6	-			EAF	
LWG01	08R001	TS	SP	045	WB	ERA	10/24/02	13:55	F6	-			JS	
LWG01	08R001	TS	SP	053	WB	ERA	10/25/02	11:10	F6	-			EAF	
LWG01	08R001	TS	SP	046	WB	ERA	10/24/02	13.55	F6	-			JS	
LWG01	08R001	TS	SP	054	WB	ERA	10/25/02	11.10	F6	-			EAF	
LWG01	08R001	TS	SP	047	WB	ERA	10/24/02	13:55	F6	-			JS	
LWG01	08R001	TS	SP	048	WB	ERA	10/24/02	13.55	F6	-			JS	
LWG01	08R001	TS	SP	049	WB	ERA	10/24/02	13:55	F6	-			JS	
LWG01	08R002	TS	SP	001	WB	ERA	8/15/02	13:30	F6	-			EAF	
LWG01	08R002	TS	SP	002	WB	ERA	8/15/02	13:30	F6	-			EAF	
LWG01	08R002	TS	SP	003	WB	ERA	8/15/02	13:30	F6	-			EAF	
LWG01	08R002	TS	SP	005	WB	ERA	8/15/02	13:30	F6	-			EAF	
LWG01	08R002	TS	SP	006	WB	ERA	8/15/02	13:30	F6	-			EAF	
LWG01	08R002	TS	SP	007	WB	ERA	8/15/02	13:30	F6	-			EAF	
LWG01	08R002	TS	SP	008	WB	ERA	8/15/02	13:30	F6	-			EAF	
LWG01	08R002	TS	SP	009	WB	ERA	8/15/02	13.30	F6	-			EAF	
LWG01	08R002	TS	SP	010	WB	ERA	8/15/02	13:30	F6	-			EAF	
LWG01	08R002	TS	SP	011	WB	ERA	8/15/02	12.59	F6	-			EAF	
LWG01	08R002	TS	SP	012	WB	ERA	8/15/02	13:30	F6	-			EAF	
LWG01	08R002	TS	SP	013	WB	ERA	8/15/02	13:30	F6	-			EAF	
LWG01	08R002	TS	SP	014	WB	ERA	8/15/02	13:30	F6	-			EAF	
LWG01	08R002	TS	SP	015	WB	ERA	9/26/02	11:30	F6	-			EAF	
LWG01	08R002	TS	SP	016	WB	ERA	9/26/02	10:15	F6	-			EAF	
LWG01	08R002	TS	SP	017	WB	ERA	9/26/02	11:30	F6	-			EAF	
LWG01	08R002	TS	SP	018	WB	ERA	9/26/02	11:30	F6	-			EAF	
LWG01	08R002	TS	SP	019	WB	ERA	10/3/02	1747	F6	-			EAF	
LWG01	08R002	TS	SP	020	WB	ERA	10/3/02	1805	F6	-			EAF	
LWG01	08R002	TS	SP	021	WB	ERA	10/3/02	1805	F6	-			EAF	
LWG01	08R002	TS	SP	022	WB	ERA	10/3/02	1805	F6	-			EAF	
LWG01	08R002	TS	SP	023	WB	ERA	10/3/02	1740	F6	-			EAF	
LWG01	08R002	TS	SP	033	WB	ERA	10/24/02	13:55	F6	-			JS	
LWG01	08R002	TS	SP	024	WB	ERA	10/3/02	1755	F6	-			EAF	
LWG01	08R002	TS	SP	025	WB	ERA	10/24/02	13·55	F6	-			JS	
LWG01	08R002	TS	SP	026	WB	ERA	10/24/02	13:55	F6	-			JS	
LWG01	08R002	TS	SP	027	WB	ERA	10/24/02	13:55	F6	-			JS	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	08R002	TS	SP	028	WB	ERA	10/24/02	13:55	F6	-			JS	
LWG01	08R002	TS	SP	029	WB	ERA	10/24/02	13:55	F6	-			JS	
LWG01	08R002	TS	SP	030	WB	ERA	10/24/02	13:55	F6	-			JS	
LWG01	08R002	TS	SP	031	WB	ERA	10/24/02	13:55	F6	-			JS	
LWG01	08R002	TS	SP	032	WB	ERA	10/24/02	13:55	F6	-			JS	
LWG01	08R003	TS	SP	001	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	002	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	003	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	004	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	005	WB	ERA	8/14/02	13.23	F6	-			EAF	
LWG01	08R003	TS	SP	006	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	007	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	008	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	009	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	010	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	011	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	012	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	013	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	014	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	015	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	016	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	017	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	018	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	019	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	020	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	021	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	022	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	023	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	024	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	08R003	TS	SP	028	WB	ERA	10/17/02	13.30	F6	-			EAF	
LWG01	08R003	TS	SP	025	WB	ERA	10/9/02	10:30	F6	-			EAF	
LWG01	08R003	TS	SP	026	WB	ERA	10/10/02	10:55	F6	-			EAF	
LWG01	08R003	TS	SP	027	WB	ERA	10/17/02	13 30	F6	-			EAF	
LWG01	08R003	TS	SP	029	WB	ERA	10/22/02	11·06	F6	-			JS	
LWG01	08R003	TS	SP	030	WB	ERA	10/24/02	13.55	F6	-			JS	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	08R003	TS	SP	031	WB	ERA	10/24/02	13:55	F6	-			JS	
LWG01	08R003	TS	SP	032	WB	ERA	10/25/02	11:10	F6	-			EAF	
LWG01	08R003	TS	SP	033	WB	ERA	10/26/02	12:57	F6	-			JM	
LWG01	08R003	TS	SP	034	WB	ERA	10/26/02	12·57	F6	-			JM	
LWG01	08R003	TS	SP	035	WB	ERA	10/26/02	12:57	F6	-			JM	
LWG01	08R003	TS	SP	038	WB	ERA	11/1/02	16:55	F6	-			JS	
LWG01	08R003	TS	SP	036	WB	ERA	11/1/02	14 10	F6	-			EAF	
LWG01	08R003	TS	SP	037	WB	ERA	11/1/02	16:55	F6	-			JS	
LWG01	08R003	TS	SP	039	WB	ERA	11/1/02	16:55	F6	-			JS	
LWG01	09R001	TS	SP	001	WB	ERA	8/14/02	13.23	F6	-			EAF	
LWG01	09R001	TS	SP	002	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	09R001	TS	SP	003	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	09R001	TS	SP	004	WB	ERA	8/14/02	13.23	F6	-			EAF	
LWG01	09R001	TS	SP	005	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	09R001	TS	SP	007	WB	ERA	8/16/02	15.45	F6	-			EAF	
LWG01	09R001	TS	SP	006	WB	ERA	8/14/02	13:23	F6	-			EAF	
LWG01	09R001	TS	SP	008	WB	ERA	8/16/02	15:45	F6	-			EAF	
LWG01	09R001	TS	SP	009	WB	ERA	8/16/02	15:45	F6	-			EAF	
LWG01	09R001	TS	SP	010	WB	ERA	8/30/02	15:11	F6	-			EAF	
LWG01	09R001	TS	SP	011	WB	ERA	8/30/02	16:00	F6	-			EAF	
LWG01	09R001	TS	SP	012	WB	ERA	8/30/02	15:11	F6	-			EAF	
LWG01	09R001	TS	SP	013	WB	ERA	8/30/02	15:11	F6	-			EAF	
LWG01	09R001	TS	SP	014	WB	ERA	8/30/02	15:11	F6	-			EAF	
LWG01	09R001	TS	SP	015	WB	ERA	8/30/02	15:11	F6	-			EAF	
LWG01	09R001	TS	SP	016	WB	ERA	8/30/02	15.11	F6	-			EAF	
LWG01	09R001	TS	SP	017	WB	ERA	8/30/02	15:50	F6	-			EAF	
LWG01	09R001	TS	SP	018	WB	ERA	8/30/02	15:50	F6	-			EAF	
LWG01	09R001	TS	SP	019	WB	ERA	8/30/02	15·50	F6	-			EAF	
LWG01	09R001	TS	SP	020	WB	ERA	8/30/02	15:50	F6	-			EAF	
LWG01	09R001	TS	SP	021	WB	ERA	8/30/02	15:50	F6	-			EAF	
LWG01	09R001	TS	SP	022	WB	ERA	8/30/02	15.50	F6	-			EAF	
LWG01	09R001	TS	SP	023	WB	ERA	8/30/02	15:50	F6	-			EAF	
LWG01	09R001	TS	SP	024	WB	ERA	8/30/02	15:50	F6	-			EAF	
LWG01	09R001	TS	SP	025	WB	ERA	8/30/02	15.50	F6	-			EAF	
LWG01	09R001	TS	SP	026	WB	ERA	8/30/02	15:50	F6	-			EAF	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	09R001	TS	SP	027	WB	ERA	8/30/02	15 50	F6	-			EAF	
LWG01	09R001	TS	SP	028	WB	ERA	8/30/02	15·50	F6	-			EAF	
LWG01	09R001	TS	SP	029	WB	ERA	8/30/02	15:50	F6	-			EAF	
LWG01	09R001	TS	SP	030	WB	ERA	10/4/02	1445	F6	-			JM	
LWG01	09R001	TS	SP	031	WB	ERA	10/4/02	1445	F6	-			JM	
LWG01	09R001	TS	SP	032	WB	ERA	10/4/02	1445	F6	-			JM	
LWG01	09R001	TS	SP	033	WB	ERA	10/4/02	1445	F6	-			JM	
LWG01	09R001	TS	SP	034	WB	ERA	10/8/02	1210	F6	-			JS	
LWG01	09R001	TS	SP	035	WB	ERA	10/8/02	1209	F6	-			JS	
LWG01	09R001	TS	SP	036	WB	ERA	10/4/02	1445	F6	-			JM	
LWG01	09R001	TS	SP	037	WB	ERA	10/11/02	18:35	F6	-			EAF	
LWG01	09R001	TS	SP	038	WB	ERA	10/15/02	9:00	F6	-			EAF	
LWG01	09R001	TS	SP	041	WB	ERA	10/16/02	9:50	F6	-			EAF	
LWG01	09R001	TS	SP	042	WB	ERA	10/16/02	9:50	F6	-			EAF	
LWG01	09R002	TS	SP	001	WB	ERA	8/16/02	10:55			10/8/02		EAF	JS/SN
LWG01	09R002	TS	SP	002	WB	ERA	8/16/02	10:55			10/8/02		EAF	JS/SN
LWG01	09R002	TS	SP	003	WB	ERA	8/16/02	10·55			10/8/02		EAF	JS/SN
LWG01	09R002	TS	SP	004	WB	ERA	8/16/02	10·55			10/8/02		EAF	JS/SN
LWG01	09R002	TS	SP	005	WB	ERA	8/16/02	10.55			10/8/02		EAF	JS/SN
LWG01	09R002	TS	SP	006	WB	ERA	8/16/02	10.55			10/8/02		EAF	JS/SN
LWG01	09R002	TS	SP	007	WB	ERA	8/16/02	10:55			10/8/02		EAF	JS/SN
LWG01	09R002	TS	SP	008	WB	ERA	8/16/02	10:55			10/8/02		EAF	JS/SN
LWG01	09R002	TS	SP	009	WB	ERA	8/16/02	10:55			10/8/02		EAF	JS/SN
LWG01	09R002	TS	SP	010	WB	ERA	8/16/02	10·55			10/8/02		EAF	JS/SN
LWG01	09R002	TS	SP	011	WB	ERA	8/16/02	10.55			10/8/02		EAF	JS/SN
LWG01	09R002	TS	SP	012	WB	ERA	8/16/02	10:55			10/8/02		EAF	JS/SN
LWG01	09R002	TS	SP	013	WB	ERA	8/16/02	10.55			10/8/02		EAF	JS/SN
LWG01	09R002	TS	SP	014	WB	ERA	8/16/02	10:55	F6	-			EAF	
LWG01	09R002	TS	SP	015	WB	ERA	8/16/02	10:55	F6	-			EAF	
LWG01	09R002	TS	SP	016	WB	ERA	8/16/02	10:55	F6	-			EAF	
LWG01	09R002	TS	SP	017	WB	ERA	8/16/02	10·55	F6	-			EAF	
LWG01	09R002	TS	SP	018	WB	ERA	8/16/02	10:55	F6	-			EAF	
LWG01	09R002	TS	SP	019	WB	ERA	8/16/02	10:55	F6	-			EAF	
LWG01	09R002	TS	SP	020	WB	ERA	8/16/02	10:55	F6	-			EAF	
LWG01	09R002	TS	SP	021	WB	ERA	8/16/02	10:55	F6	-			EAF	

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	09R002	TS	SP	022	WB	ERA	9/18/02	15·18			10/8/02		SN	JS/SN
LWG01	09R002	TS	SP	023	WB	ERA	9/18/02	15:18			10/8/02		SN	JS/SN
LWG01	09R002	TS	SP	024	WB	ERA	9/18/02	15:18			10/8/02		SN	JS/SN
LWG01	09R002	TS	SP	025	WB	ERA	9/18/02	15·18			10/8/02		SN	JS/SN
LWG01	09R002	TS	SP	026	WB	ERA	9/18/02	15:18			10/8/02		SN	JS/SN
LWG01	09R002	TS	SP	027	WB	ERA	9/18/02	15:18			10/8/02		SN	JS/SN
LWG01	09R002	TS	SP	028	WB	ERA	9/18/02	15:18	F6	-			SN	
LWG01	FZ0306	TS	WE	001	FL	HHRA	7/24/02	20:25	F1	S1			EAF	
LWG01	FZ0306	TS	WE	001	FS	HHRA	7/24/02	20 34	F1	S1			EAF	
LWG01	FZ0306	TS	WE	002	FS	HHRA	7/25/02	15:00	F1	S1			EAF	
LWG01	FZ0306	TS	WE	002	FL	HHRA	7/25/02	15:04	F1	S1			EAF	
LWG01	FZ0609	TS	YB	016	FL	HHRA	10/2/02	11:15	F1	S3			EAF	
LWG01	FZ0609	TS	YB	016	FS	HHRA	10/2/02	11.17	F1	S3			EAF	
LWG01	FZ0609	TS	YB	017	WB	HHRA	10/3/02	15:58	F2	D2			SN	
LWG01	FZ0609	TS	BB	002	FS	HHRA	8/8/02	16:30			11/27/02	FSC20	EAF	EF/JS
LWG01	FZ0609	TS	BB	012	FS	HHRA	10/2/02	11:40			11/27/02	FSC20	EAF	EF/JS
LWG01	FZ0609	TS	BB	014	FS	HHRA	10/2/02	10:15			11/27/02	FSC20	EAF	EF/JS
LWG01	FZ0609	TS	BB	019	FS	HHRA	10/4/02	1116			11/27/02	FSC20	JS	EF/JS
LWG01	FZ0609	TS	BB	034	FS	HHRA	10/23/02	13·20			11/27/02	FSC20	EAF	EF/JS
LWG01	FZ0609	TS	BB	005	FS	HHRA	9/20/02	17:51			11/27/02	FSC30	JM	EF/JS
LWG01	FZ0609	TS	BB	006	FS	HHRA	9/20/02	17:15			11/27/02	FSC30	JM	EF/JS
LWG01	FZ0609	TS	YB	023	WB	HHRA	10/4/02	1330	F2	D2			JS	
LWG01	FZ0609	TS	YB	024	WB	HHRA	10/4/02	1700	F2	D2			JM	
LWG01	FZ0609	TS	BB	011	FS	HHRA	10/2/02	11:05			11/27/02	FSC30	SN	EF/JS
LWG01	FZ0609	TS	BB	020	FS	HHRA	10/4/02	1142			11/27/02	FSC30	JS	EF/JS
LWG01	FZ0609	TS	BB	035	FS	HHRA	10/23/02	13:35			11/27/02	FSC30	EAF	EF/JS
LWG01	FZ0609	TS	BB	003	FS	HHRA	8/14/02	12·01	F8	S2		NOT USED	EAF	
LWG01	FZ0609	TS	BB	026	WB	HHRA	10/8/02	1010			11/27/02	WBC10	EAF	EF/JS
LWG01	FZ0609	TS	BB	027	WB	HHRA	10/8/02	1020			11/27/02	WBC10	EAF	EF/JS
LWG01	FZ0609	TS	BB	030	WB	HHRA	10/8/02	1043			11/27/02	WBC10	EAF	EF/JS
LWG01	FZ0609	TS	BB	031	WB	HHRA	10/9/02	11·05			11/27/02	WBC10	EAF	EF/JS
LWG01	FZ0609	TS	BB	043	WB	HHRA	11/6/02	16:07			11/27/02	WBC10	EAF	EF/JS
LWG01	FZ0609	TS	BB	022	WB	HHRA	10/4/02	1340			11/27/02	WBC20	JS	EF/JS
LWG01	FZ0609	TS	BB	032	WB	HHRA	10/10/02	10:17			11/27/02	WBC20	EAF	EF/JS
LWG01	FZ0609	TS	BB	038	WB	HHRA	10/4/02	1710			11/27/02	WBC20	SN	EF/JS

Table C-3. Storage Log of Fish Samples in LWG Laboratory Freezers.

ID Phase	Location	Matrix	Species	Fish #	Tissue Type	HHRA or ERA	Date Stored	Time Stored	Unit	Shelf	Date Shipped	Composite #	Recorder	Packers
LWG01	FZ0609	TS	BB	039	WB	HHRA	10/23/02	13:35			11/27/02	WBC20	EAF	EF/JS
LWG01	FZ0609	TS	BB	040	WB	HHRA	10/26/02	11:12			11/27/02	WBC20	JM	EF/JS
LWG01	FZ0609	TS	BB	018	WB	HHRA	10/3/02	15:50			11/27/02	WBC30	EAF	EF/JS
LWG01	FZ0609	TS	BB	021	WB	HHRA	10/4/02	1350			11/27/02	WBC30	JS	EF/JS
LWG01	FZ0609	TS	BB	028	WB	HHRA	10/8/02	1051			11/27/02	WBC30	EAF	EF/JS
LWG01	FZ0609	TS	BB	029	WB	HHRA	10/8/02	955			11/27/02	WBC30	EAF	EF/JS
LWG01	FZ0609	TS	BB	033	WB	HHRA	10/10/02	10:22			11/27/02	WBC30	EAF	EF/JS
LWG01	FZ0609	TS	BB	008	FL	HHRA	9/24/02	10:11	F8	S2			EAF	
LWG01	FZ0609	TS	YB	041	WB	HHRA	10/31/02	11·45	F2	D2			JS	
LWG01	FZ0609	TS	YB	042	WB	HHRA	10/31/02	11·47	F2	D2			JS	
LWG01	FZ0609	TS	BB	008	FS	HHRA	9/24/02	10:06	F8	S2			EAF	
LWG01	07R003	TS	CR	009	WB	HHRA/ERA	11/7/02				11/20/02	07R003TSCRWBC00	SN	LF/JS/SN/JC
LWG01	07R004	TS	CR	009	WB	HHRA/ERA	11/6/02	9:05			11/20/02	07R004TSCRWBC00	SN	LF/JS/SN/JC
LWG01	07R006	TS	CR	001	WB	HHRA/ERA	11/8/02	9·00			11/20/02	07R006TSCRWBC00	SN	LF/JS/SN/JC
LWG01	07R006	TS	CR	002	WB	HHRA/ERA	11/8/02	9:00			11/20/02	07R006TSCRWBC00	SN	LF/JS/SN/JC
LWG01	07R006	TS	CR	003	WB	HHRA/ERA	11/8/02	9:00			11/20/02	07R006TSCRWBC00	SN	LF/JS/SN/JC
LWG01	08R001	TS	CR	048	WB	HHRA/ERA	11/6/02	9:25			11/20/02		SN	LF/JS/SN/JC
LWG01	FZ0609	TS	BC	021	FL	HHRA	11/6/02				12/11/02	FLC10	SN	LF/JS/JC
LWG01	FZ0609	TS	BC	021	FS	HHRA	11/6/02				12/11/02	FSC10	SN	LF/JS/JC
LWG01	FZ0609	TS	BC	023	FL	HHRA	11/6/02				12/11/02	FLC20	SN	LF/JS/JC
LWG01	FZ0609	TS	BC	023	FS	HHRA	11/6/02				12/11/02	FSC20	SN	LF/JS/JC
LWG01	FZ0609	TS	BC	015	WB	HHRA	11/5/02				12/11/02	WBC20	SN	LF/JS/JC
LWG01	FZ0609	TS	BC	016	WB	HHRA	11/5/02				12/11/02	WBC20	SN	LF/JS/JC
LWG01	FZ0609	TS	BC	017	WB	HHRA	11/5/02				12/11/02	WBC10	SN	LF/JS/JC
LWG01	FZ0609	TS	BC	018	WB	HHRA	11/5/02		F7	-			SN	
LWG01	FZ0609	TS	BC	019	WB	HHRA	11/6/02				12/11/02	WBC10	SN	LF/JS/JC
LWG01	FZ0609	TS	BC	020	WB	HHRA	11/6/02				12/11/02	WBC10	SN	LF/JS/JC
LWG01	FZ0609	TS	BC	024	WB	HHRA	11/6/02				12/11/02	WBC20	SN	LF/JS/JC
LWG01	FZ0609	TS	BC	025	WB	HHRA	11/6/02				12/11/02	WBC10	SN	LF/JS/JC
LWG01	FZ0609	TS	BC	022	FL	HHRA	11/6/02		F7	-			SN	
LWG01	FZ0609	TS	BC	022	FS	HHRA	11/6/02		F7	-			SN	

Table C-4. Record of Changes on Fish Labels.

Date from	Old Species Code	New Species Code	Date Changed	Label?	Process Sheet?	Storage Log?	Log Book?	Master Table?
10/13/02	02R015TSCRWB007	02R015TSCRWB010	10/14/02	X	X	X	X	
10/13/02	02R015TSCRWB008	02R015TSCRWB011	10/14/02	X	X	X	X	
10/13/02	02R015TSCRWB009	02R015TSCRWB012	10/14/02	X	X	X	X	
9/12/02	03R001TSCRWB007	03R008TSCRWB007	9/24/02	X	X	X		X
9/12/02	03R001TSCRWB008	03R008TSCRWB008	9/24/02	X	X	X		X
9/12/02	03R001TSCRWB009	03R008TSCRWB000	9/24/02	X	X	X		X
9/12/02	03R001TSCRWB010	03R008TSCRWB010	9/24/02	X	X	X		X
9/12/02	03R001TSCRWB011	03R008TSCRWB011	9/24/02	X	X	X		X
9/12/02	03R001TSCRWB012	03R008TSCRWB012	9/24/02	X	X	X		X
10/10/02	03R002TSSPWB068	03R002TSSPWB074	10/17/02					
10/11/02	03R003TSCRWB014	03R003TSCRWB024	10/17/02					
10/11/02	03R003TSCRWB015	03R003TSCRWB025	10/17/02					
10/11/02	03R003TSCRWB016	03R003TSCRWB026	10/17/02					
10/11/02	03R003TSCRWB017	03R003TSCRWB027	10/17/02					
9/5/02	03R005TSBBF006	FZ0306TSBBF006	9/24/02	X	X	X		X
9/5/02	03R005TSYBF007	FZ0306TSYBF007	9/24/02	X	X	X		X
9/5/02	03R005TSYBF008	FZ0306TSYBF008	9/24/02	X	X	X		X
10/9/02	03R009TSCRWB006	03R009TSCRWB008	10/14/02	X	X	X	X	
10/9/02	03R009TSCRWB007	03R009TSCRWB009	10/14/02	X	X	X	X	
10/10/02	03R009TSCRWB008	03R009TSCRWB013	10/17/02					
10/10/02	03R009TSCRWB009	03R009TSCRWB014	10/17/02					
10/13/02	03R009TSCRWB015	03R009TSCRWB020	10/14/02	X	X	X	X	
10/13/02	03R009TSCRWB016	03R009TSCRWB021	10/14/02	X	X	X	X	
8/9/02	04R001TSCRWB001	06R001TSCRWB006	9/24/02	X	X	X		X
9/26/02	04R003TSSPWB001	04R003TSSPWB023	10/1/02	X	NA	X	NA	X
9/26/02	04R003TSSPWB002	04R003TSSPWB024	10/1/02	X	NA	X	NA	X
9/26/02	04R003TSSPWB003	04R003TSSPWB025	10/1/02	X	NA	X	NA	X
9/26/02	04R003TSSPWB004	04R003TSSPWB026	10/1/02	X	NA	X	NA	X
9/26/02	04R003TSSPWB005	04R003TSSPWB027	10/1/02	X	NA	X	NA	X
9/26/02	04R003TSSPWB006	04R003TSSPWB028	10/1/02	X	NA	X	NA	X
9/27/02	04R003TSSPWB007	04R003TSSPWB029	10/1/02	X	NA	X	NA	X
9/27/02	04R003TSSPWB008	04R003TSSPWB030	10/1/02	X	NA	X	NA	X
9/27/02	04R003TSSPWB009	04R003TSSPWB031	10/1/02	X	NA	X	NA	X
10/1/02	04R028TSSPWB001	03R032TSSPWB001	10/2/02	X	NA	X	NA	X
10/1/02	04R028TSSPWB002	03R032TSSPWB002	10/2/02	X	NA	X	NA	X
10/1/02	04R028TSSPWB003	03R032TSSPWB003	10/2/02	X	NA	X	NA	X

Table C-4. Record of Changes on Fish Labels.

Date from	Old Species Code	New Species Code	Date Changed	Label?	Process Sheet?	Storage Log?	Log Book?	Master Table?
10/1/02	04R028TSSPWB004	03R032TSSPWB004	10/2/02	X	NA	X	NA	X
10/1/02	04R028TSSPWB005	03R032TSSPWB005	10/2/02	X	NA	X	NA	X
10/1/02	04R028TSSPWB006	03R032TSSPWB006	10/2/02	X	NA	X	NA	X
10/1/02	04R028TSSPWB007	03R032TSSPWB007	10/2/02	X	NA	X	NA	X
10/1/02	04R028TSSPWB008	03R032TSSPWB008	10/2/02	X	NA	X	NA	X
10/1/02	04R028TSSPWB009	03R032TSSPWB009	10/2/02	X	NA	X	NA	X
10/1/02	04R028TSSPWB010	03R032TSSPWB010	10/2/02	X	NA	X	NA	X
10/2/02	05R006TSSBF009	05R006TSSBF010	10/3/02	X	NA	NA	NA	NA
7/31/02	05R006TSSBWB001	06R024TSSBWB004	10/29/02	X	X	X	X	
10/9/02	05R020TSSPWB013	05R020TSSPWB046	10/14/02	X	NA	X	NA	
10/9/02	05R020TSSPWB014	05R020TSSPWB047	10/14/02	X	NA	X	NA	
10/9/02	05R020TSSPWB015	05R020TSSPWB048	10/14/02	X	NA	X	NA	
10/9/02	05R020TSSPWB016	05R020TSSPWB049	10/14/02	X	NA	X	NA	
10/9/02	05R020TSSPWB017	05R020TSSPWB050	10/14/02	X	NA	X	NA	
10/9/02	06R001TSCRWB011	06R001TSCRWB013	10/14/02	X	X	X	X	
10/9/02	06R001TSCRWB012	06R001TSCRWB014	10/14/02	X	X	X	X	
10/9/02	07R003TSSPWB012	07R003TSSPWB013	10/14/02	X	NA	X	NA	
9/12/02	07R009TSSBWB009	07R009TSSBWB013	9/24/02	X	X	X		X
9/12/02	08R001TSCRWB004	08R001TSSPWB025	9/24/02	X	N/A	X	N/A	X
9/12/02	08R001TSSPWB025	08R001TSCRWB004	9/24/02	X	X	X		X
9/12/02	08R001TSSPWB034	08R001TSSPWB039	9/24/02	X	NA	X	NA	X
10/9/02	08R001TSSPWB035	08R001TSSPWB040	10/14/02	X	NA	X	NA	
10/9/02	08R001TSSPWB036	08R001TSSPWB041	10/14/02	X	NA	X	NA	
10/23/02	08R001TSSPWB042	08R001TSSPWB050	11/13/02	X	X	X	X	
10/23/02	08R001TSSPWB043	08R001TSSPWB051	11/13/02	X	X	X	X	
10/23/02	08R001TSSPWB044	08R001TSSPWB052	11/13/02	X	X	X	X	
10/23/02	08R001TSSPWB045	08R001TSSPWB053	11/13/02	X	X	X	X	
10/23/02	08R001TSSPWB046	08R001TSSPWB054	11/13/02	X	X	X	X	
9/17/02	08R002TSCRWB003	08R002TSCRWB006	9/24/02	X	X	X	X	X
9/17/02	08R002TSCRWB004	08R002TSCRWB007	9/24/02	X	X	X	X	X
8/27/02	08R003TSCRWB002	08R003TSCRWB004	8/30/02	X	X	X	X	
8/14/02	08R003TSCRWB003	08R003TSCRWB001	8/19/02	X	X	X		X
8/27/02	08R003TSCRWB003	08R003TSCRWB005	8/30/02	X	X	X	X	
8/29/02	08R003TSCRWB004	08R003TSCRWB006	8/30/02	X	X	X	X	
8/29/02	08R003TSCRWB005	08R003TSCRWB007	8/30/02	X	X	X	X	
10/13/02	08R003TSCRWB012	08R003TSCRWB015	10/14/02	X	X	X	X	

Table C-4. Record of Changes on Fish Labels.

Date from	Old Species Code	New Species Code	Date Changed	Label?	Process Sheet?	Storage Log?	Log Book?	Master Table?
9/17/02	09R001TSCRWB014	09R003TSCRWB014	9/23/02	X	X	X	N/A	X
9/17/02	09R001TSSPWB029	09R002TSSOWB022	9/24/02	X	N/A	X	N/A	X
10/9/02	09R001TSSPWB029	09R001TSSPWB036	10/14/02	X	NA	X	NA	
10/4/02	09R001TSSPWB029	09R001TSSPWB036	11/19/02	X	NA	X	NA	
9/17/02	09R001TSSPWB030	09R002TSSPWB023	9/24/02	X	N/A	X	N/A	X
9/17/02	09R001TSSPWB031	09R002TSSPWB024	9/24/02	X	N/A	X	N/A	X
9/17/02	09R001TSSPWB032	09R002TSSPWB025	9/24/02	X	N/A	X	N/A	X
9/17/02	09R001TSSPWB033	09R002TSSPWB026	9/24/02	X	N/A	X	N/A	X
9/17/02	09R001TSSPWB034	09R002TSSPWB027	9/24/02	X	N/A	X	N/A	X
9/17/02	09R001TSSPWB035	09R002TSSPWB028	9/24/02	X	N/A	X	N/A	X
9/16/02	FZ0306TSBBF008	FZ0306TSBBF010	9/24/02	X	X	X		X
9/18/02	FZ0306TSBBF009	FZ0306TSBBF012	9/24/02	X	X	X		X
10/4/02	FZ0306TSBBWB038	FZ0609TSBBWB025	11/19/02	X	X	X	X	
10/4/02	FZ0306TSBBWB039	FZ0306TSBBWB038	11/19/02	X	X	X	X	
9/16/02	FZ0306TSYBF007	FZ0306TSYBF009	9/24/02	X	X	X		X
9/18/02	FZ0306TSYBF008	FZ0306TSYBF011	9/24/02	X	X	X		X
10/22/02	FZ0609TSBBF026	FZ0609TSBBF034	10/29/02	X	X	X	X	
10/22/02	FZ0609TSBBF027	FZ0609TSBBF035	10/29/02	X	X	X	X	
10/22/02	FZ0609TSBBF028	FZ0609TSBBF036	10/29/02	X	X	X	X	
10/22/02	FZ0609TSBBF029	FZ0609TSBBF037	10/29/02	X	X	X	X	
10/7/02	FZ0609TSBBWB008	FZ0609TSBBWB026	10/17/02	X		X		
10/7/02	FZ0609TSBBWB009	FZ0609TSBBWB027	10/17/02	X		X		
10/7/02	FZ0609TSBBWB010	FZ0609TSBBWB028	10/17/02	X		X		
10/7/02	FZ0609TSBBWB011	FZ0609TSBBWB029	10/17/02	X		X		
10/7/02	FZ0609TSBBWB012	FZ0609TSBBWB030	10/17/02	X		X		
10/8/02	FZ0609TSBBWB013	FZ0609TSBBWB031	10/17/02	X		X		
10/9/02	FZ0609TSBBWB014	FZ0609TSBBWB032	10/17/02	X		X		
10/9/02	FZ0609TSBBWB015	FZ0609TSBBWB033	10/17/02	X		X		
10/22/02	FZ0609TSBBWB030	FZ0609TSBBWB038	10/29/02	X	X	X	X	
10/22/02	FZ0609TSBBWB031	FZ0609TSBBWB039	10/29/02	X	X	X	X	
10/25/02	FZ0609TSBBWB032	FZ0609TSBBWB040	11/1/02	X	X	X	X	
8/28/02	FZ0609TSCPWB044	FZ0609TSCPWB046	8/30/02	X	X	X	X	
10/4/02	FZ0609TSYBWB024	FZ0306TSBBWB039	11/19/02	X	X	X	X	
10/4/02	FZ0609TSYBWB025	FZ0609TSYBWB024	11/19/02	X	X	X	X	